Appendix G

HAZARDOUS MATERIALS INVESTIGATION REPORTS

KINGS BEACH WESTERN APPROACH PROJECT

Limited Phase II Environmental Assessment – Revised DRAFT

Kings Beach Western Approach Project

Placer County, CA

May 26, 2020

NCE

Sacramento, CA

8795 Folsom Blvd., Suite 250

Sacramento, CA 95826

Prepared for:

GHD

943 Reserve Drive, Suite 100

Roseville, CA 95814

Limited Phase II Environmental Assessment – REVISED DRAFT
Kings Beach Western Approach Project
Placer County, CA

Prepared on Behalf Of	Date	Project Number
GHD 943 Reserve Drive, Suite 100 Roseville, CA 95814	5/26/2020	1011.02.25

Kiri Ando
Project Scientist

Michael J. Leacox (PG #5210)
Principal

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Acronyms and Abbreviations

ADL – aerially deposited lead
Agreement – Soil Management Agreement for Aerially Deposited Lead-Contaminated Soils
bgs – below ground surface
BTEX – benzene, toluene, ethylbenzene and xylenes
CA-WET – California Waste Extraction Test
County – Placer County
DI-WET – Deionized Water Waste Extraction Test
DTSC – Department of Toxic Substances Control
EM – electromagnetics
EPA – Environmental Protection Agency
EPC – exposure point concentration
ESA – Environmental Site Assessment
ESL – Environmental Screening Level
FFP – fuel fingerprint
GPR – ground penetrating radar
kg – kilogram
L - liter
LRWQCB – Lahontan Regional Water Quality Control Board
mg – milligrams
MTBE – methyl tert-butyl ether
ND – non detect above laboratory reporting limit
PID – photoionization detector
ppb – parts per billion
Project – Kings Beach Western Approach Project
ROW – Right-of-way
RSL – Regional Screening Level
SFRWQCB – San Francisco Regional Water Quality Control Board
SGC – silica gel cleanup
Site – Project boundary
SL – Screening Level
SR – State Route
STLC – Soluble Threshold Limit Concentration
TPH – total petroleum hydrocarbons
TPH-D – total petroleum hydrocarbons within the diesel carbon range
TPH-G – total petroleum hydrocarbons within the gasoline carbon range
TPH-HO/MO – total petroleum hydrocarbons within the hydraulic oil/motor oil carbon range
TU – test unit
UCL – upper confidence limit
USCS – United States Soil Classification System
UST – underground storage tank
VOCs – volatile organic compounds
WET – Waste Extraction Test
XPI – Extended Phase I Study

1.0 INTRODUCTION

NCE has prepared this Limited Phase II Environmental Site Assessment (ESA) for GHD on behalf of Placer County (County) in support of the Kings Beach Western Approach Project (Project) located in Kings Beach, Placer County, California (Plates 1 and 2a-2c). The Project includes construction of a four-leg hybrid roundabout that will eliminate the existing signalized intersection at State Route (SR) 28 and SR 267. The Project also includes excavating, grading, construction of new road pavement, pedestrian lighting, sidewalks, shared-use paths, curb and gutter, landscaping, as well as restriping, utility relocation, and underground and aboveground storm drain installations. There is also a potential County right-of-way (ROW) acquisition near the proposed roundabout on Brassie Avenue and Caltrans ROW acquisition along N. Shore Boulevard (Plate 2a).

The Project boundary (Site) encompasses approximately 10.47 acres and consists of Caltrans and County roadways and ROW, and privately-owned parcels. Ground disturbance and restriping activities will take place around the intersection of SR 28 and SR 267 where the Site extends approximately 2,640 feet west on SR 28, 430 feet east on SR 28, and 1,320 feet north on SR 267. The Site also includes two proposed ROW acquisition areas northwest of the SR 28/267 intersection, and eight staging areas that are approximately 25,000 square feet or smaller along Speckled Street, Dolly Varden Avenue, Rainbow Avenue, and SR 28 (Plates 2a-2c).

A Phase I ESA (NCE, 2019c) was conducted and summarized in a draft report submitted to GHD and the County on September 10, 2019. The purpose of the Phase I ESA was to perform a literature search look for potential sources of contamination due to historical activities within the vicinity of the Site. The report also included findings from a Limited Soil Screening Assessment performed by NCE in 2019. The draft Phase I ESA report identified some concerns and had recommendations that included a Limited Phase II and aerially deposited lead (ADL) Assessment including a geophysical survey, the collection of soil and groundwater samples within the proposed ROW acquisition areas, and the collection of soil samples within proposed excavation areas for assessment of ADL. The work was approved by GHD on October 8, 2018.

The purpose of the Limited Phase II ESA and ADL Assessment was to further evaluate areas of concern identified in the Phase I ESA. This Phase II ESA report describes the implementation of, and findings from the Limited Phase II ESA and ADL Assessment.

2.0 SITE DESCRIPTION

2.1 Site Location

The Site is irregular in shape and is located northwest, west, northeast, and east of the intersection of SR 267 and SR 28 (Plates 1 and 2a-2c) in Kings Beach, California. The approximate center of the SR 28 and SR 267 intersection within the Site is located at latitude 39.237969 and longitude -120.031544. The Site includes an approximate 0.52 miles along SR 28 and 0.26 miles along SR 267, consists of Caltrans and County roadway and ROW, a portion of the Old Brockway Golf Course, and the adjacent Safeway. Within the Site boundary are also eight staging areas and two potential ROW acquisitions (Plates 2a-2c). Lake Tahoe is located approximately 325 feet south of the existing SR 28 and 267 intersection.

2.2 Physical Site Setting

2.2.1 Surface Water

Surface Waters

The primary source of surface water to the Site comes from direct precipitation, stormwater runoff from SR 267, nuisance water from the golf course, and runoff from development north of the Site. A concrete culvert conveys nuisance water and stormwater runoff; the culvert discharges from the west side of SR 267 into the man-made stormwater basin located at the southeast corner of the Old Brockway Golf Course. Griff Creek is a perennial drainage that originates to the north and drains into Lake Tahoe (NCE, 2019a).

2.2.2 Geology and Hydrogeology

Geology

The Site lies within the northern part of the Lake Tahoe Basin, an intermountain basin within the Sierra Nevada. Plutonic rocks from the Mesozoic age constitute the Sierra Nevada batholith, which lies in the northern half of the Sierra Nevada. On the west side of the batholith is the western metamorphic belt, a terrain made of weakly metamorphosed volcanic and sedimentary rocks that have been strongly deformed from the Paleozoic and Mesozoic ages (PARIKH Consultants, Inc., 2012).

Review of the Geologic Map of the Lake Tahoe Basin for California and Nevada showed that Kings Beach is composed of lake deposits and beach deposits. Lake deposits consist of thin-bedded sandy silt and clay. Beach deposits are composed of sorted, fine to very fine coarse to gravelly arkosic sand that comes from the decomposition of granite in the area (Saucedo, 2005).

Hydrogeology

The Site is located within the North Lahontan Hydrologic Region as defined by the Lahontan Regional Water Quality Control Board (LRWQCB) and the California Department of Water Resources (LRWQCB, 2017). Review of a 2012 Geotechnical Design Report prepared for the Kings Beach Commercial Core Improvement Project (and whose project boundary includes

some portions of the Site) indicates that the first encountered water-bearing zone occurs between approximately 3 and 7 feet below ground surface (bgs) (PARIKH Consultants, Inc. 2012).

The California State Water Resources Control Board GeoTracker website was reviewed to obtain nearby groundwater flow direction. Data reviewed suggest that overall groundwater flow is towards the south (Horizon Environmental, Inc., 2010).

3.0 BACKGROUND

3.1 Phase I Environmental Site Assessment

The draft Phase I ESA was submitted to GHD and the County on September 10, 2019 (NCE, 2019c). The Phase I findings suggested the presence of impacts to soil and groundwater from total petroleum hydrocarbons (TPHs) near or within eastern portions of the Site. These findings were based on review of various reports found on the GeoTracker database as well as findings described in a Phase II ESA performed by Geocon as part of the Kings Beach Commercial Core Improvement Project (Geocon Consultants, Inc. 2013). Additional details about two nearby facilities with documented releases are described below:

1. Beacon Station #3601 is located at 8070 North Lake Blvd., just southeast of proposed excavation/construction work on SR 28 (Plate 3). The facility is inactive and previously contained a 4,000-gallon diesel Underground Storage Tank (UST), a 10,000-gallon regular fuel tank, and a 10,000-gallon unleaded fuel tank. A Leaking Underground Storage Tank (LUST) case was opened in June 1983; the potential contaminant is listed as gasoline and the potential medium is an aquifer used for drinking water supply. While residual impacts to soil and groundwater still exist, the LUST case was closed in May 2010 after a "No Further Action" letter was issued. A review of existing records indicates that initial impacts to groundwater and soil extended into the southeastern border of the Site (Horizon Environmental Inc., 2009 and Geocon Consultants, Inc., 2013) (Plate 3). According to information available on GeoTracker, the monitoring well nearest the Site (MW-1) had reported diesel (TPH-D) concentrations of 240 parts per billion (ppb) in 1998 but TPH-D was not detected above laboratory reporting limits (50 ppb) in the last two monitoring events that analyzed for TPH-D (August and September of 2005). Gasoline (TPH-G), methyl tert-butyl ether (MTBE) and benzene, toluene, ethylbenzene and xylenes (BTEX) concentrations were reported as non-detect (ND) in MW-1 during the most recent three monitoring events (April, July and October of 2008) (Horizon Environmental Inc., 2009).

2. Ken's Tire Center is located at 8001 North Lake Blvd., just northeast of the SR 28/267 intersection (Plate 3). A LUST case was opened in August 1986; the potential contaminant is listed as gasoline and the potential medium is an aquifer used for drinking water supply. The leak was reportedly stopped in 1988 and the LUST case was closed in October 1997. This facility received multiple hazardous materials storage and hazardous waste treatment violations (NCE, 2019c). While no data were available for this facility on GeoTracker, the Geocon report indicates that impacts to groundwater and soil extend into the eastern side of the SR 28/SR 267 intersection and to the east and south of the Site (Geocon Consultants, Inc., 2013) (Plate 3).

3.2 Limited Soil Screening Assessment

Included as part of the draft Phase I ESA was a Draft Report of Findings from a Limited Soil Screening Assessment (NCE, 2019b). The Limited Soil Screening Assessment was performed by NCE between January 2 and January 4, 2019. The soil screening was performed in conjunction with the geotechnical investigation conducted as part of the Project and included the visual and olfactory observations soil samples, along with screening with a photoionization

detector (PID), during advancement of seven boreholes (B-2, B-3, B-5, B-7, B-8, B-9 and B-10) by the Project's geotechnical consultant WRECO, and the submittal of select samples to a laboratory for analysis. Select soil samples from 2 to 5 feet bgs were submitted for analytical testing of TPHs. Boring locations are shown on Plate 3.

A summary of analytical data is included in Appendix A and complete laboratory reports are included as Appendix F. There were no obvious indications of contamination observed or measured during the drilling work. However, analytical testing identified three locations (B-5, B-8 and B-9) with reported concentrations of TPHs in soil (Appendix A and Plate 3) (NCE, 2019b). Considering the depth of the samples (2 to 5 feet bgs) and their proximity to groundwater (documented at between 3 and 7 feet bgs and observed at approximately 5 to 6 feet bgs during boring), it was concluded feasible that the impacts observed are from a nearby release that reached groundwater.

B-5 is near the eastern portion of the SR 28 and 267 intersection and in the vicinity of the North Tahoe Fire Station. According to the Phase I ESA, the fire station currently has two ASTs and formerly had three USTs (NCE, 2019c). Borings B-8 and B-9 are located just west of the intersection of the SR28/267 intersection and in relative proximity to each other. There are no specific identified sources for these hydrocarbons.

3.3 Phase I ESA Conclusions and Recommendations

Based on the findings discussed above, the Phase I ESA found that it is feasible that excavation work performed within the Site will encounter fuel-impacted soil and/or groundwater, particularly in areas near Ken's Tire Center, Beacon Station #3601, the North Tahoe Fire Station (boring B-5) and in the vicinity of borings B-8 and B-9. In addition, the two potential ROW acquisition areas are just north of borings B-8 and B-9. Assuming a southward groundwater flow direction, the source of the hydrocarbons observed in B-8 and B-9 could be from an upgradient location including the proposed ROW acquisition areas. Phase II efforts, particularly within the potential ROW acquisition areas, would be needed to better evaluate the nature of these concerns, and to understand the nature and extent (if any) of associated impacts to soil and groundwater.

3.4 Additional Information

Following completion of the Limited Soil Screening Assessment and prior to completion of the Phase I ESA, the footprint of the proposed roundabout was shifted west from the SR 28/267 intersection to within the Old Brockway Golf Course. During preparation for the Limited Phase II field activities NCE staff interviewed a representative from the Old Brockway Golf Course on November 21, 2019. The representative noted a former 550-gallon gasoline UST south of the existing parking lot approximately 250 feet north of the western proposed ROW acquisition area (Plate 3). During a follow-up phone call on November 25, 2019 the Golf Course representative indicated the UST was removed in 1997. The representative also indicated he was onsite during excavation and removal of the UST and did not observe any indications of a release. There were reportedly no product lines connected to the UST and the property owner received a closure letter from the County following its removal (Appendix B). In addition, the southeast corner of the golf course, which historical aerial photographs presented in the Phase I ESA (NCE, 2019c)

indicated had a structure present during the 1960s, was according to the representative, a café that was demolished in the late 1990s.

During preparation of the Phase II field work, NCE also identified an opportunity to perform the soil sampling work proposed within the ROW acquisition areas in conjunction with a cultural investigation. This is further described in Section 4.2.

4.0 LIMITED PHASE II WORK

4.1 Purpose

As discussed in Section 3, the purpose of the Limited Phase II was to further evaluate areas of concern identified in the Phase I ESA. This was accomplished by:

1. Assessing for a potential source of TPHs within the proposed ROW acquisition areas based on observations made downgradient during the Limited Soil Screening Assessment;

2. Assessing for potential impacts within proposed construction areas from documented or undocumented releases at nearby facilities; and

3. Assessing for ADL in proposed grading areas within the Site boundary as a measure of construction worker safety.

4.2 Soil Sample Collection within Proposed ROW Acquisition

As part of the cultural assessment performed for the Project, an Extended Phase I Study (XPI) was determined necessary by Caltrans due to concerns from several tribes about potential Project impacts to significant cultural resources within the Project Site (NCE, 2019e). The XPI proposed excavation of a grid of 10 test units (TU) within the two proposed ROW acquisition areas: nine on the east side of Brassie Avenue and one on the west side. Considering the overlap in work proposed as part of the XPI and the Phase II ESA, a compromise of 11 TUs were excavated within the two ROW acquisition areas at the locations shown on Plate 4 (nine TUs on the east side of Brassie and two on the west side) to meet both the cultural needs of the XPI and the soil screening and sampling portion of work for the Phase II ESA.

The TUs were excavated on November 21 and 22, 2019 (Plate 4). One TU (TU-05a) was relocated approximately 3 feet north (TU-05b) due to large cobbles encountered approximately 2 feet bgs (Plate 4). A property access permit was obtained to encroach onto the Old Brockway Golf Course and is included in Appendix C.

Each TU included an approximately 1.5 by 1.5-foot area which was excavated approximately 1-foot bgs using a shovel or similar digging tool. A hand auger was then used to excavate until refusal, which was reached at a cobble layer at approximately 4 feet bgs. Borings were logged using the United States Soil Classification System (USCS) and boring logs are included in Appendix D. Soils were scanned using a PID and soil samples were collected from the sidewalls of boreholes at approximately 2.5 feet bgs and placed in a climate-controlled cooler for submittal to BC Laboratories, Inc. a California-certified laboratory. Samples were analyzed for fuel fingerprint (FFP) with silica gel cleanup (SGC) by Environmental Protection Agency (EPA) Method 8015B and volatile organic compounds (VOCs) by EPA Method 8260B. Excavations were grouted upon completion. A summary of analytical data is included in Appendix A and discussed in Section 5. Photos are included in Appendix E and complete laboratory reports are included as Appendix F.

4.3 Geophysical Survey

On December 3, 2019 NCE conducted a one-day geophysical investigation which included the use of two variances of electromagnetics (EM), a ground penetrating radar (GPR) survey, and a pipe and cable locating system. The purpose of the survey was to look for USTs or other indications of a potential contaminant source and to scan for underground utilities. GPS-referenced data were collected from accessible areas during both the EM and GPR surveys.

4.4 ADL Assessment

An initial ADL Assessment within the proposed grading areas in the Site boundary was performed by NCE on November 26, 2019. Subsequent to that effort, a draft report was submitted to the County and Caltrans for review. A conference call with the County and Caltrans was held on March 3, 2020 to discuss the results and next steps. Based on the data obtained during the November 2019 ADL sampling effort, the Caltrans representative on the call requested the collection of additional soil samples to better assess the vertical and horizontal extent of ADL in the Project boundary with particular focus on the deeper intervals due to elevated lead concentrations observed in the 1.5 to 2-feet bgs interval. In response to that request, NCE provided to Caltrans a description of a second sampling event including a proposed sampling map via email on March 13, 2020. The additional proposed sampling included collecting 43 samples from 17 locations for a total of 70 samples from 22 locations. Caltrans concurred with the proposed sampling in a March 16, 2020 email.

NCE conducted the second soil sampling event to assess for the presence of ADL on April 21-22, 2020. Due to refusal or proximity to high-risk utility lines several of the proposed samples were not collected. The 2.5-feet and 3.5-feet bgs samples proposed at sample locations KB-09, -11, -21, -22, and -23 were not collected due to the proximity of a high-pressure gas line. A representative of Southwest Gas (operator of the high-pressure gas line) was onsite during the sampling event and did not permit the collection of the deeper samples with a hand auger. In addition, samples were not collected from KB-15 or KB-19 due to multiple utilities at the proposed locations and the surrounding area. A total of 58 samples were collected from 21 locations. Sample locations and analytical data from both field efforts are shown on Plate 5 and analytical data is summarized in Appendix A and below in Section 5.3. Complete laboratory reports are included as Appendix F.

4.4.1 Sample Collection Protocols

Soil samples were collected from up to four depths: surface (0 to 0.5-feet bgs), 1.5 to 2-feet bgs, 2.5 to 3-feet bgs, and 3.5 to 4-feet bgs using a hand auger, slide hammer or similar hand tool. Borings were logged and boring logs are included in Appendix D. Sampling tools were washed between sample collections using a water and trisodium phosphate or equivalent soap mix and care was taken to limit cross-contamination from surface soils falling into the auger hole and contaminating deeper samples. Soil samples were placed in a climate-controlled cooler and submitted to a California-certified laboratory for analysis of lead by EPA Method 6020. Waste soils and wash waters were containerized and stored at a nearby County facility for profile and off-haul to an appropriate waste facility. Analytical data from the waste profiles is also included in Appendix F.

4.4.2 Caltrans and DTSC ADL Agreement Criteria

The Project or portions of the Project may qualify for the soil management criteria laid out in the June 30, 2016 agreement between the California Department of Toxic Substances Control (DTSC) and Caltrans, titled Soil Management Agreement for Aerially Deposited Lead-Contaminated Soils (Agreement). The Agreement provides guidance and screening criteria to address ADL on state highway projects (DTSC, 2016) and requires all ADL-contaminated soils with a lead concentration above unrestricted (residential) use (currently 80 milligrams per kilogram [mg/kg]) to be properly managed by Caltrans. The management activities to which this Agreement generally applies are the stockpiling, disposal, tracking, transportation, and final placement of ADL-contaminated soil. Minimum cover requirements for lead-impacted soils are detailed in Table A below. Local municipalities are able to work within the guidelines and criteria that are established in the Agreement where the work is being performed under Caltrans oversight.

Table A: Caltrans and DTSC Agreement Criteria

Minimum Cover Requirements for ADL-contaminated Soil Based on Extractable and Total Lead Concentrations (95% UCL)*			
Extractable Lead Concentration		Total Lead Concentration	Minimum Cover Requirement
Less than 5 mg/l CA- WET	and	Less than 320 mg/kg	No cover requirement
Greater than 5 mg/l CA- WET and equal to or below 1.5 mg/l DI-WET	or	Greater than 320 mg/kg but equal to or below 1,600 mg/kg	One foot of clean soil**
Greater than 1.5 mg/l DI- WET but equal to or below 150 mg/l DI-WET	or	Greater than 1,600 mg/kg but equal to or below 3,200 mg/kg	Pavement structure
Greater than 150 mg/l DI- WET	or	Greater than 3,200 mg/kg	Subject to full regulation as hazardous waste

* ADL-contaminated soil having a pH less than or equal to 5.0 may not be managed under this Agreement and must be properly disposed of.
** This is the minimum requirement. Such soil may alternatively be covered by a pavement structure.

4.5 Groundwater Sample Collection Within Proposed ROW Acquisition

On December 16, 2019 NCE performed a one-day effort to collect groundwater samples from within the eastern ROW acquisition area. A boring permit was obtained from Placer County Environmental Health Department and is included in Appendix C. Access to the parcel west of Brassie Avenue was not able to be obtained prior to drilling. However, based on observations during the TU soil sampling and considering that the Old Brockway Golf Course fuel supply was reportedly located further north and off-site, groundwater sampling west of Brassie Avenue does not appear necessary. Therefore, drilling was performed only at locations on the east side of Brassie Avenue. A team of cultural specialists and tribe representatives were also present during drilling to oversee the investigation from a cultural perspective.

Drilling used a 7822DT track-mounted drill rig to advance three borings (KBW-1 to KBW-3) to approximately 8 feet bgs at the locations shown on Plate 4. The southeastern-most corner was not able to be accessed due to dense trees and standing water. Based on soil observations during the excavation of the TUs and the reported location of the gasoline UST further northwest and off-site, it appears that three boring locations would sufficiently assess impacts to groundwater from a potential on-site source, a potential source to the north, or the documented releases east of the SR 28/267 intersection.

The borings were advanced with 2.25-inch diameter dual-core direct-push drilling equipment and soil was near-continuously cored from the ground surface to the depth of boring. Cores were logged (Appendix D) and scanned with a PID. Grab groundwater samples were collected from each boring following purging and recharge of groundwater using a peristaltic pump. Samples were placed in a climate-controlled cooler for submittal to a California-certified laboratory for analysis of FFP by EPA Method 8015B with SGC, and BTEX, MTBE and chlorinated solvents by EPA Method 8260B.

5.0 FINDINGS

5.1 ROW Acquisition Soil Analytical Data

Soil analytical data is summarized in Appendix A and reported detections are shown on Plate 4. Complete laboratory reports are included as Appendix F.

Reported analytical results were below laboratory reporting limits for all analytes with the exception of MTBE, TPH-D and hydraulic oil/motor oil (TPH-HO/MO). MTBE was detected at sample locations TU-01, TU-04, TU-05, TU-08 and TU-10 at estimated concentrations ranging from 0.0018 to 0.0033 mg/kg. TPH-HO/MO was detected at sample locations TU-02 through TU-05, TU-07, TU-09 and TU-11 at concentrations ranging from 3.8 to 82 mg/kg, however all detections were flagged as having a chromatogram that is not typical of motor oil. TPH-D was detected at sample location TU-11 at a concentration of 18 mg/kg and was flagged as having a chromatogram that is not typical of diesel. Chromatograms are included in Appendix F.

5.2 Geophysical Survey Data

A complete report of the Geophysical Survey findings is included as Appendix G. While some portions of the proposed ROW acquisition areas were inaccessible due to deep standing water and dense tree stands, interpretations of the GPR data obtained did not suggest the presence of a UST or other subsurface features that might indicate a potential source of contamination. The data did indicate the locations of several buried utilities, as shown on the figures included in Appendix G (Advanced Geological Services, 2019).

5.3 ADL Analytical Data

A summary of analytical data and applicable screening values is included in Appendix A and shown on Plate 5. Complete laboratory reports are included as Appendix F.

Reported lead concentrations in soils ranged from 5.2 to 55 mg/kg in surface samples (0.0 to 0.5-feet bgs), from 6.9 to 200 mg/kg in samples collected from 1.5 to 2-feet bgs, from 3.4 to 59 mg/kg in samples collected from 2.5 to 3-feet bgs, and from 2.3 to 27 mg/kg in samples collected from 3.5 to 4-feet bgs, as shown in Table B below.

Table B: ADL in Soil Analytical Data (in mg/kg)[1]

Sample ID	Lead			
	Surface	1.5-feet bgs	2.5-feet bgs	3.5-feet bgs
KB-1	13	20		
KB-2	7.2	6.9		
KB-3	29	14	3.4	3.3
KB-4	8.4	10	11	11
KB-5	7.5	8.3	8.7	7.2
KB-6	7.6	**200**	8.5	7.6
KB-7	8.2		5.8	5.4
KB-8	32	**120**	25	
KB-9	22	22		
KB-10	30	73	25	27
KB-11	55	**130**		
KB-12	5.2	13		
KB-13	11	13		
KB-14	19	11		
KB-16		16	5.0	9.1
KB-17		**140**	15	2.3
KB-18		26	14	25
KB-20		**80**	59	18
KB-21	53	18		
KB-22	32	12		
KB-23	11	30		

EPA ProUCL 5.1 software was used to calculate the sample mean (average) and 95% upper confidence limit (UCL) of the mean concentration to obtain an exposure point concentration (EPC) of the data set. A summary of the statistical calculations is shown below in Table C:

Table C: ADL Soil Sample Statistics (in mg/kg)

Sample Depth	Number of Samples	Range	Mean	95% UCL
All depths	58	2.3-200	27.77	34.9 (H)
Surface to 0.5 feet bgs	17	5.2-55	20.65	29.88 (Adjusted Gamma)
1.5 to 2 feet bgs	20	6.9-200	48.16	103.1 (Chebyshev)

1 Sample IDs KB-15 and KB-19 could not be obtained due to obstruction by existing utilities in the vicinity of the proposed sample locations.

2.5 to 3 feet bgs	11	3.4-59	16.4	29.54 (Adjusted Gamma)
3.5 to 4 feet bgs	10	2.3-27	11.59	16.68 (Student's-t)

The Soluble Threshold Limit Concentration (STLC) for lead is 5 milligrams per liter (mg/L). Per the Agreement, if a substance is 10 times the STLC value, a waste extraction test (WET) should be performed. A California (CA)-WET test was performed on three of the five soil samples with reported lead concentrations in excess of 50 mg/kg: the surface sample at location KB-11 (55 mg/kg), and the 1.5-foot samples at locations KB-6 and KB-8 (200 and 120 mg/kg, respectively). The CA-WET analytical testing results are shown on Table D below:

Table D: ADL CA-WET Test Analytical Data

Sample ID	Lead (mg/kg)	CA-WET STLC (mg/L)
KB-11-S	55	1.7
KB-8-1.5	120	5.3
KB-6-1.5	200	11

Considering that two CA-WET analyses had reported lead concentrations greater than 5 mg/L (Table A; Section 4.3.2), a deionized water (DI)-WET analysis was performed on samples KB-6-1.5 and KB-8-1.5. The results of the DI-WET analysis are shown on Table E below:

Table E: ADL CA-WET and DI-WET Analytical Data

Sample ID	Lead (mg/kg)	CA-WET STLC (mg/L)	DI-WET STLC (mg/L)
KB-8-1.5	120	5.3	0.049
KB-6-1.5	200	11	0.050

CA-WET and DI-WET concentrations can be conservatively applied to the remaining samples as shown in Table F below, where the highest reported STLC concentration is applied to all samples with a lower reported lead concentration in soil until reaching the next sample analyzed by CA or DI-WET methods.

Table F: Applied CA-WET and DI-WET Analytical Data

Sample ID	Lead in Soil (mg/kg)	CA-WET (mg/L)	DI-WET (mg/L)
KB-17-3.5	2.3	1.7	0.049
KB-3-3.5	3.3	1.7	0.049
KB-3-2.5	3.4	1.7	0.049
KB-16-2.5	5	1.7	0.049
KB-12-S	5.2	1.7	0.049
KB-7-3.5	5.4	1.7	0.049
KB-7-2.5	5.8	1.7	0.049
KB-2-1.5	6.9	1.7	0.049
KB-2-S	7.2	1.7	0.049
KB-5-3.5	7.2	1.7	0.049
KB-5-S	7.5	1.7	0.049
KB-6-3.5	7.6	1.7	0.049
KB-6-S	7.6	1.7	0.049
KB-7-S	8.2	1.7	0.049
KB-5-1.5	8.3	1.7	0.049
KB-4-S	8.4	1.7	0.049
KB-6-2.5	8.5	1.7	0.049
KB-5-2.5	8.7	1.7	0.049
KB-16-3.5	9.1	1.7	0.049
KB-4-1.5	10	1.7	0.049
KB-13-S	11	1.7	0.049
KB-14-1.5	11	1.7	0.049
KB-23-0	11	1.7	0.049
KB-4-2.5	11	1.7	0.049
KB-4-3.5	11	1.7	0.049
KB-22-1.5	12	1.7	0.049
KB-12-1.5	13	1.7	0.049
KB-13-1.5	13	1.7	0.049
KB-1-S	13	1.7	0.049
KB-18-2.5	14	1.7	0.049
KB-3-1.5	14	1.7	0.049
KB-17-2.5	15	1.7	0.049
KB-16-1.5	16	1.7	0.049
KB-20-3.5	18	1.7	0.049
KB-21-1.5	18	1.7	0.049
KB-14-S	19	1.7	0.049
KB-1-1.5	20	1.7	0.049
KB-9-1.5	22	1.7	0.049

KB-9-S	22	1.7	0.049
KB-10-2.5	25	1.7	0.049
KB-18-3.5	25	1.7	0.049
KB-8-2.5	25	1.7	0.049
KB-18-1.5	26	1.7	0.049
KB-10-3.5	27	1.7	0.049
KB-3-S	29	1.7	0.049
KB-10-S	30	1.7	0.049
KB-23-1.5	30	1.7	0.049
KB-22-0	32	1.7	0.049
KB-8-S	32	1.7	0.049
KB-21-0	53	1.7	0.049
KB-11-S	55	**1.7**	0.049
KB-20-2.5	59	5.3	0.049
KB-10-1.5	73	5.3	0.049
KB-20-1.5	80	5.3	0.049
KB-8-1.5	120	**5.3**	**0.049**
KB-11-1.5	130	11	0.05
KB-17-1.5	140	11	0.05
KB-6-1.5	200	**11**	**0.05**

Based on the data in Table F, the EPC for lead in soil and CA-WET and DI-WET analyses are shown in Table G below. These EPC's are intended to be representative of soil within the Project Site.

Table G: ADL Soil Sample Statistics with CA and DI-WET Data

EPC (mg/kg)	EPC CA-WET STLC (mg/L)	EPC DI-WET STLC (mg/L)
34.9	2.94	0.049

5.4 Groundwater Analytical Data

Groundwater analytical data is summarized in Appendix A and complete laboratory reports are included as Appendix F.

All three groundwater samples were ND for all analytes analyzed.

5.5 Regulatory Screening Values

The following currently available published regulatory screening values were used as a comparison to analytical data:

1. EPA Regional Screening Values [RSLs] for soil in a residential, commercial and construction worker setting (November 2019);
2. DTSC-modified Screening Levels [DTSC-modified SLs] for soil in a residential and commercial setting (April 2019); and

3. San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels [SFBRWQCB ESLs] for soil in a residential, commercial and construction work setting (2019).

There were no reported detections for any of the groundwater samples; therefore, groundwater analytical results were not compared to screening values.

5.5.1 Laboratory Analytical Data Comparison to Screening Values

Only applicable screening values for analytes with reported detections are shown in Appendix A. Laboratory reporting limits are shown for samples with no reported detections.

When compared to screening values, the reported detections from soil samples collected within the proposed ROW acquisition areas are below all applicable screening values. Soil samples collected from within proposed grading areas and analyzed for lead had four reported detections that exceed the DTSC screening value for residential soil (80 mg/kg) at sample locations KB-6, KB-8, KB-11 and KB-17. Lead concentrations at these locations ranged from 120 to 200 mg/kg, with one exceedance of the SFRWQCB screening value for construction workers (160 mg/kg) at sample location KB-6, which had a reported detection of 200 mg/kg. The reported exceedances were all from samples collected from 1.5-feet bgs. The mean concentration of lead in soil for all samples as well as the mean at each sampled depth do not exceed applicable screening values. The 95% UCL values recommended by the EPA ProUCL 5.1 software (Table C in Section 5.3) for the data set as a whole and for each sampled depth do not exceed applicable regulatory screening values including the DTSC residential screening value for lead in soil (80 mg/kg) with the exception of the 1.5-feet bgs interval. Samples collected from the 1.5-feet bgs interval had a 95% UCL using the Chebyshev method of 103.1 mg/kg. The elevated UCL for the 1.5-feet bgs interval is driven by samples at KB-6 (200 mg/kg), KB-8 (120 mg/kg), KB-11 (130 mg/kg), and KB-17 (140 mg/kg). As shown on Plate 5, the elevated lead appears to occur in the vicinity of the SR 28/267 intersection and eastwards.

6.0 CONCLUSIONS

The analytical data and field observations made during the Limited Phase II field efforts, as well as conversations with the Old Brockway Golf Course representative, suggest that the proposed ROW acquisition areas are not likely a potential source of hydrocarbon contamination to groundwater. While no groundwater samples were collected on the west side of Brassie Avenue, samples collected on the east side, as well as observations made during soil sample collection on the west side of Brassie Ave. further support the lack of a potential source. Although there were no reported detections in groundwater samples collected, it should be noted that impacted groundwater could be encountered during construction activities.

Analytical data from the ADL assessment suggests that while soils within the Site boundary do not exceed the DTSC commercial screening value for lead (320 mg/kg), there was one sample location which exceeded the RWQCB construction worker screening value (160 mg/kg), however, the EPC for lead is 34.9 mg/kg, which is below published health-based screening values. Similarly, the mean lead concentration for each sampled horizon (surface, 1.5-feet, 2.5-feet, and 3.5-feet) is below the residential screening value (80 mg/kg). Similarly, the 95% UCL for the complete data set was below published health-based screening values with the exception of the 1.5-feet bgs interval (103.1 mg/kg) which exceeds the DTSC residential screening value for lead in soil (80 mg/kg). Concentrations of lead in soil from the 2.5-feet and 3.5-feet bgs interval ranged from 3.3 to 59 mg/kg which indicates elevated lead concentrations in soil appear to occur in the 1.5-feet bgs interval. As shown on Plate 5, lead concentrations at locations KB-06, KB-08, KB-10, KB-17, and KB-20 contain relatively higher lead concentrations at the 1.5-feet bgs interval and that lead concentrations at these locations also attenuate with depth. While the 2.5 and 3.5-feet bgs samples could not be collected on the west side of SR 267 due to the presence of a high pressure gas line, considering that all 2.5 and 3.5-feet bgs samples collected from the Project Site were below DTSC residential screening values, including those collected below 1.5 foot samples that exceeded the residential screening value, it is likely that lead concentrations in soils attenuate with depth below the 1.5-feet bgs samples on the west side of SR 267 in a similar fashion. Regardless, from a risk management perspective, appropriate measures should be taken by the contractor to protect worker health as it pertains to heavy metals in soil.

If the Project or portions of the Project qualify for coverage under the Agreement, Caltrans should be involved in soil management as applicable considering there were four soil sample locations from the 1.5-feet bgs interval which exceeded the unrestricted (residential) screening value of 80 mg/kg for lead. Considering that the calculated EPC CA-WET and DI-WET concentrations are 2.94 and 0.049 mg/L, respectively, and no soil samples collected at 2.5 or 3.5-feet exceeded residential screening values, the Project Site would quality for "no coverage requirement" based on Table A in Section 4.4.2. Similarly, if the Project is not covered by the Agreement, as the EPC for lead in soil for the Site does not exceed the published health-based screening value for unrestricted use, excavated soils would not be considered hazardous waste and would not have a cover requirement. For risk management purposes it is recommended that excavated soils requiring off-haul be stockpiled and profiled prior to disposal at an appropriate waste disposal facility and should not be re-used for any purpose.

7.0 LIMITATIONS

Information presented in this report does not confirm the presence or absence of subsurface contamination at the property but indicates whether the possibility of such contamination exists. Our professional opinions expressed herein are based on limited data; no other warranty is given or implied by this report. A more extensive assessment, that would include additional surface and/or subsurface investigation and chemical analyses of soil and/or groundwater samples, would provide more definitive information concerning site-specific conditions. This report is complete and accurate to the extent that cited reports and agency information are complete and accurate.

The observations described in this report were made under the conditions stated herein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services within the constraints imposed by the client. The work described in this report was carried out in accordance with the Terms and Conditions of the contract.

Observations were made of the Site as indicated in this report. Where access to portions of the Site on the Site was unavailable or limited, NCE renders no opinion as to the presence of direct or indirect evidence relating to petroleum substances, hazardous substances, or both, in that portion of the Site. In addition, NCE renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the ground surface or a structure is obstructed by objects or materials, including snow, covering on or over these surfaces.

NCE does not represent that the Site referred to herein contains no petroleum or hazardous or toxic substances or other conditions beyond those observed by NCE during the site investigation activities.

NCE has produced this document under an agreement between NCE and GHD. All terms and conditions of that agreement are included within this document by reference. Any reliance upon this document, or upon NCE's performance of services in preparing this document, is conditioned upon the relying party's acceptance and acknowledgement of the limitations, qualifications, terms, conditions and indemnities set forth in that agreement, and property ownership/management disclosure limitations, if any. It is not to be relied upon by any parties other than GHD and Placer County, nor used for any purpose other than that specifically stated in our Agreement or within this report's Introduction section without NCE's advance and express written consent.

8.0 REFERENCES

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Kings Beach Western Approach Project
Placer County, CA

May 26, 2020

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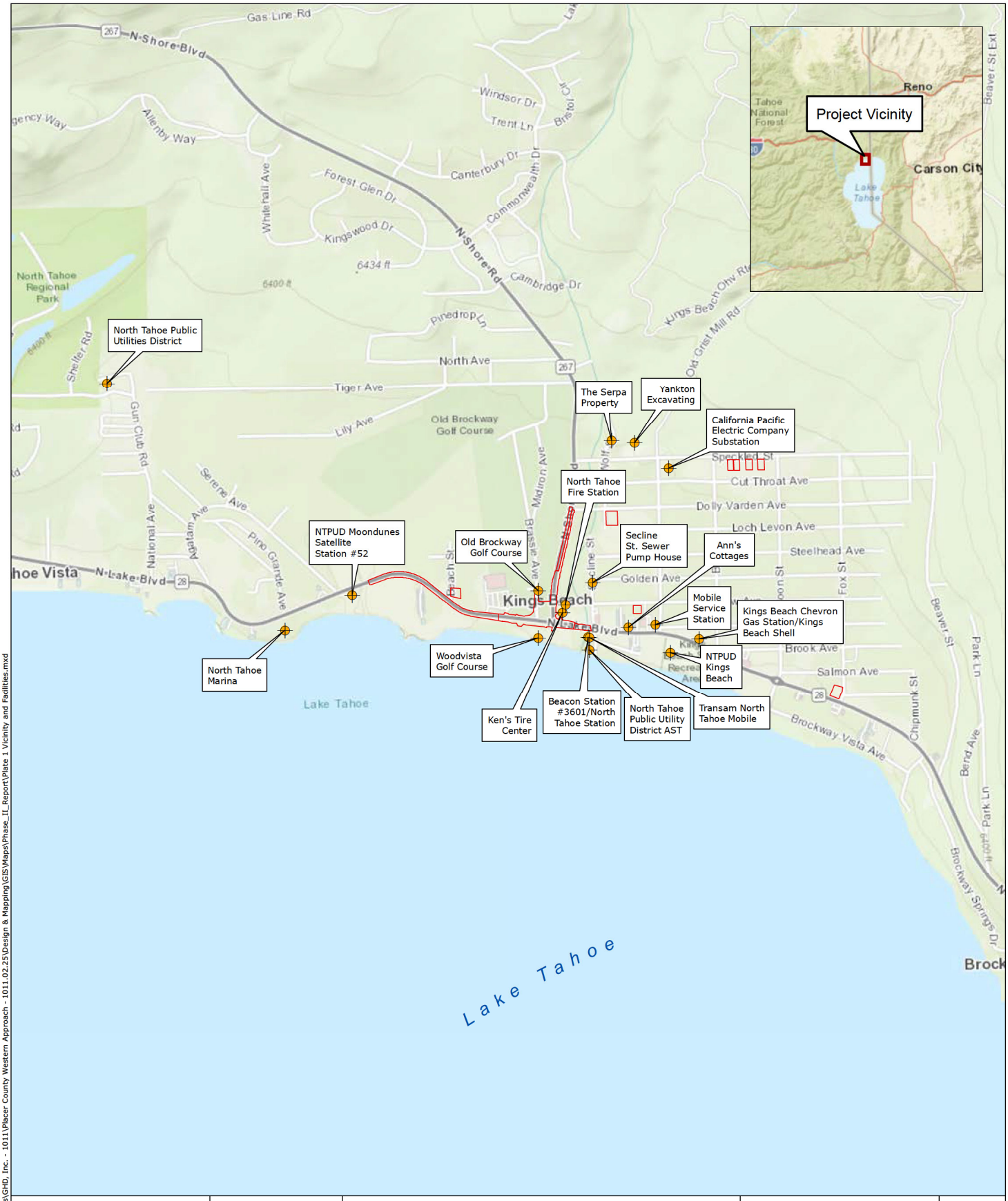
Quality Control Reviewer

_____

Darcy Hinkley, P.G.
NCE
Senior Geologist

PLATES



Vicinity and Nearby Facilities

Kings Beach Western Approach Project
Limited Phase II Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 1,600 feet

0 800 1,600 feet

PLATE 1

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
ESRI World Topographic Map	1011.02.55	kando	12/19/2019	1/3/2020	MJL

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- Transformer
- Stormwater Basin
- Facility (EDR Radius Report)
- Project Boundary
- Parcel

Site, Parcels and Nearby Facilities (Western Area)

Kings Beach Western Approach Project
Limited Phase II Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 300 ft.

0 150 300 ft.

PLATE 2a

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap	1011.02.55	kando	12/19/2019	3/3/2020	MJL

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Facility (EDR Radius Report)
Project Boundary
Parcel

NCE
GHD

Site, Parcels and Nearby Facilities (Northern Area)

Kings Beach Western Approach Project
Limited Phase II Environmental Site Assessment
Kings Beach, Placer County, CA

N
1 in. = 200 ft.
0 100 200 ft.

PLATE
2b

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap	1011.02.55	kando	12/19/2019	3/3/2020	MJL

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Project Boundary
Parcel

NCE
GHD

Site, Parcels and Nearby Facilities (Southeastern Area)

Kings Beach Western Approach Project
Limited Phase II Environmental Site Assessment
Kings Beach, Placer County, CA

N
1 in. = 200 ft.
0 100 200 ft.

PLATE
2c

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap	1011.02.55	kando	12/19/2019	3/3/2020	MJL

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Only data in the vicnity of proposed earth-moving activities is shown.
Concentrations given in milligrams per kilogram (mg/kg) in soil.
NA = Not Analyzed
ND = Non Detect (above laboratory reporting limit)
TPH = Total Petroleum Hydrocarbons
SGC = Silica Gel Cleanup
d = Diesel
g = Gasoline
mo = Motor Oil
ho = Hydraulic Oil

Former 550-gal. gasoline UST (approx.)

Placer County ROW extends along Brassie Ave. Remainder of ROW is owned by Caltrans.

Old Brockway Golf Course

North Tahoe Fire Station

Ken's Tire Center

Beacon Station #3601/North Tahoe Station

Transam North Tahoe Mobile

North Tahoe Public Utility District

Residual TPH in soil and groundwater (>3')

Residual TPH in groundwater (>8')

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
3.0'	ND	ND	ND

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	ND	ND

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
3.0'	ND	1,800 (ho/mo)	960 (ho/mo)

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	30 (ho/mo)	5.8 (d); 16 (ho/mo)

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	2.5 (d)	ND
5.0'	ND	59 (d)	77 (d)

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.7'	ND	ND	ND

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	ND	ND
5.0'	ND	ND	ND

NA

Depth:	TPH-g	TPH-d	TPH-mo
1.0'	<4	21	99
4.0'	<4	15	56
9.0'	<4	<5	<10

Depth:	TPH-g	TPH-d	TPH-mo
1.0'	<4	29	200
4.0'	<2	<5	<10
8.0'	<1	<5	<10
9.0'	<2	<5	<10

Depth:	TPH-g	TPH-d	TPH-mo
3.0'	NA	<1	<1
7.0'	<1	<1	1.3

Depth:	TPH-g	TPH-d	TPH-mo
3.0'	<1	44	100
7.0'	NA	<1	<1

- Facility (EDR)
- NCE (2019)
- Geocon (2010) (Geocon 2013)
- Kleinfelder (2006) (Geocon 2013)
- TPH-impacted Soil/Groundwater (Geocon 2013)
- Proposed County/Caltrans ROW Take
- Project Boundary
- Restriping Only Area

Project Site with Previous Investigation Data

Kings Beach Western Approach Project
Limited Phase II Environmental Site Assessment
Kings Beach, Placer County, CA

N
1 in. = 80 ft.
0 40 80 ft.

PLATE 3

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap, NCE, Geocon Consultants, Inc., GHD, EDR	1011.02.55	kando	12/19/2019	3/3/2020	MJL

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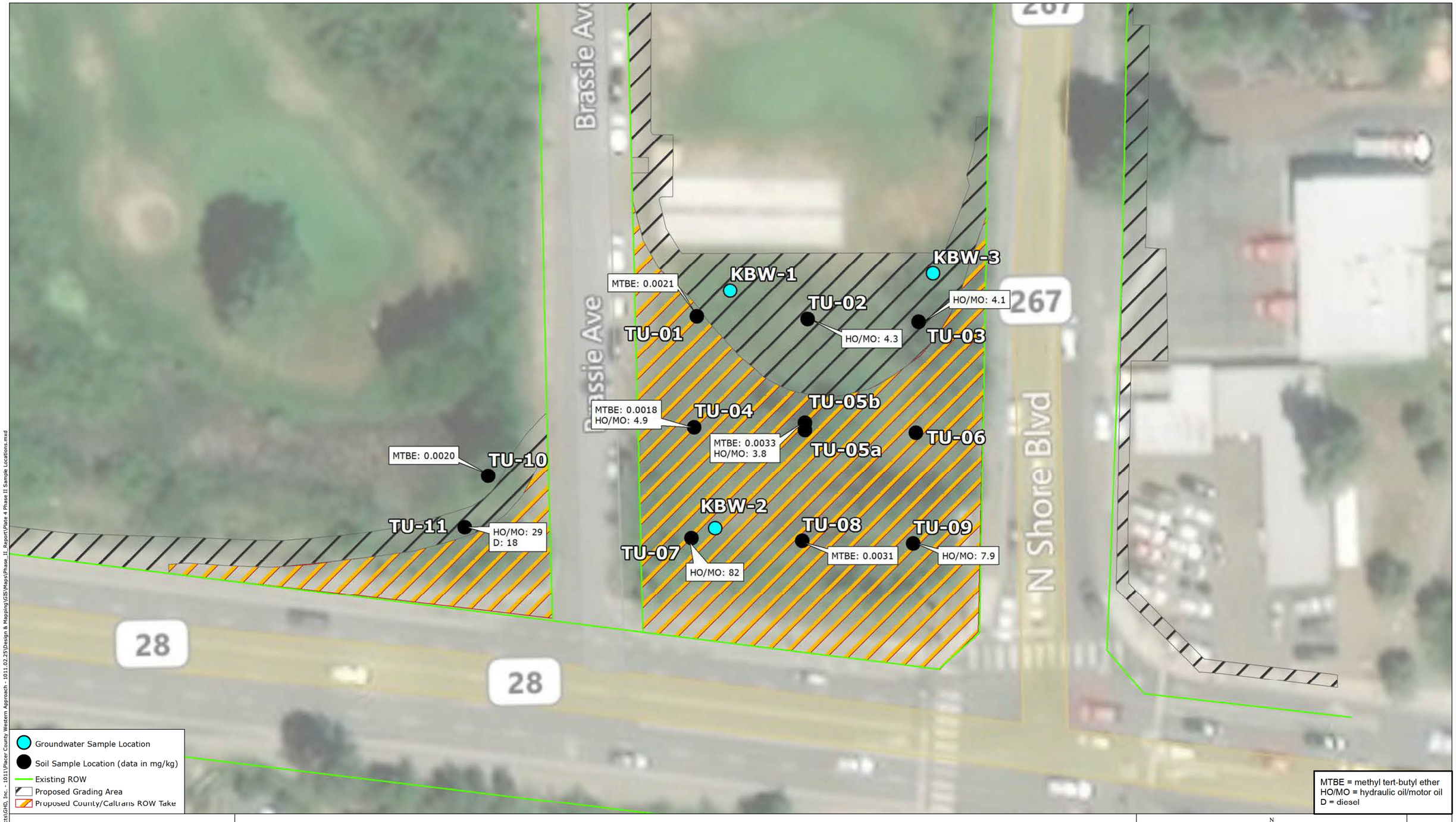

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Limited Phase II Sample Locations and Reported Detections

Kings Beach Western Approach Project
Limited Phase II Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 40 ft.

0 20 40 ft.

PLATE 4

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap, NCE, Geocon Consultants, Inc., GHD, EDR	1011.02.55	kando	12/19/2019	3/3/2020	MJL

Lead concentration shown by depth at each location in milligrams per kilogram

KB-03
Surface: 29
1.5-feet: 14
2.5-feet: 3.4
3.5-feet: 3.3

KB-04
Surface: 8.4
1.5-feet: 10
2.5-feet: 11
3.5-feet: 11

KB-16
1.5-feet: 16
2.5-feet: 5.0
3.5-feet: 9.1

KB-05
Surface: 7.5
1.5-feet: 8.3
2.5-feet: 8.7
3.5-feet: 7.2

KB-02
Surface: 7.2
1.5-feet: 6.9

KB-01
Surface: 13
1.5-feet: 20

KB-13
Surface: 11
1.5-feet: 13

KB-17
1.5-feet: 140
2.5-feet: 15
3.5-feet: 2.3

KB-12
Surface: 5.2
1.5-feet: 13

Surface: 19
1.5-feet: 11

KB-14

Surface: 32
1.5-feet: 12

KB-22

Surface: 55
1.5-feet: 130

KB-11

Surface: 53
1.5-feet: 18

KB-21

Surface: 11
1.5-feet: 30

KB-23

KB-07
Surface: 8.2
2.5-feet: 5.8
3.5-feet: 5.4

KB-20
1.5-feet: 80
2.5-feet: 59
3.5-feet: 18

KB-08
Surface: 32
1.5-feet: 120
2.5-feet: 25

Surface: 22
1.5-feet: 22

KB-09

KB-10
Surface: 30
1.5-feet: 73
2.5-feet: 25
3.5-feet: 27

KB-06
Surface: 7.6
1.5-feet: 200
2.5-feet: 8.5
3.5-feet: 7.6

KB-18
1.5-feet: 26
2.5-feet: 14
3.5-feet: 25

CA-28
CA-267
Brassie Ave.
Old Brockway Golf Course

ADL Sample Location (approx.)
Existing ROW
Proposed Grading Area
Proposed County/Caltrans ROW Take

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NCE GHD

ADL Assessment Sample Locations

Kings Beach Western Approach Project
Limited Phase II Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 120 ft.
0 60 120 ft.

PLATE 5

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap, NCE, Geocon Consultants, Inc., GHD, EDR	1011.02.55	kando	11/1/2019	5/4/2020	

APPENDIX A
ANALYTICAL DATA TABLE SUMMARIES

Table 1:
Limited Soil Screening Assessment
VOCs and TPHs in Soil by EPA Methods 8260B and 8015M (in mg/kg)

Sample Number	Sample Depth (feet)	Volatile Organics EPA 8260B	Total Petroleum Hydrocarbons EPA 8015M	Total Petroleum Hydrocarbons EPA 8015M (Silica Gel Treated)	
B-5-2.5	2.5	ND	2.5 ppm TPH Diesel (FFP)	ND	
B-5-5.0	5	ND	59 ppm TPH Diesel (FFP)	77 ppm TPH Diesel (FFP)	
B-2-2.7	2.7	ND	ND	ND	
B-7-3.0	3	ND	ND	ND	
B-10-2.5	2.5	ND	ND	ND	
B-9-3.0	3	ND	1800 ppm TPH HO/MO	960 ppm TPH HO/MO	
B-8-2.5	2.5	ND	30 ppm TPH HO/MO	5.8 ppm TPH Diesel (FFP)	16 ppm TPH HO/MO
B-3-2.5	2.5	ND	ND	ND	
B-3-5.0	5	ND	ND	ND	

ND = non detect
ppm = parts per million (mg/kg)
TPH = Total Petroleum Hydrocarbons
FFP = Fuel Finger Print
THO/MO = Hydraulic oil/motor oil range
mg/kg = milligrams per kilogram

Table 2:
Limited Phase II Soil Analytical Data Summary
VOCs in Soil by EPA Method 8260B (in mg/kg)

Sample ID	Depth (feet bgs)	Sample Date	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromomethane	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene
TU-01-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-02-2..5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-03-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-04-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-05-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-06-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-07-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-08-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-09-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-10-2.0	2.0	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-11-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
EPA RSL Residential Soil			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EPA RSL Industrial Soil			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EPA RSP Construction Worker			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DTSC-modified SL Residential			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DTSC-modified SL Industrial			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SFRWQCB ESLs Residential			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SFRWQCB ESLs Commercial			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SFRWQCB ESLs Construction Worker			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Bolded values indicate reported detection

EPA RSL = Environmental Protection Agency Regional Screening Level (November 2019)

DTSC-modified SL = Department of Toxic Substances Department Human and Ecological Risk Office (HERO) Note 3 Screening Level (April 2019)

SFRWQCB ESL = San Francisco Regional Water Quality Control Board Environmental Screening Level (January 2019)

NA = Not Analyzed

-- = Not Applicable

mg/kg - milligrams per kilogram

J = Estimated Value (CLP Flag)

< = Not detected above laboratory limit indicated

Table 2:
Limited Phase II Soil Analytical Data Summary
VOCs in Soil by EPA Method 8260B (in mg/kg)

Sample ID	Depth (feet bgs)	Sample Date	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropene	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl t-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane
TU-01-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.0021J**	<0.0050	<0.0050	<0.0050	<0.0050
TU-02-2..5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-03-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-04-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.0018J**	<0.0050	<0.0050	<0.0050	<0.0050
TU-05-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.0033J**	<0.0050	<0.0050	<0.0050	<0.0050
TU-06-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-07-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-08-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.0031J**	<0.0050	<0.0050	<0.0050	<0.0050
TU-09-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TU-10-2.0	2.0	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.0020J**	<0.0050	<0.0050	<0.0050	<0.0050
TU-11-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
EPA RSL Residential Soil			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47	--	--	--	--
EPA RSL Industrial Soil			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210	--	--	--	--
EPA RSP Construction Worker			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210	--	--	--	--
DTSC-modified SL Residential			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DTSC-modified SL Industrial			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SFRWQCB ESLs Residential			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47	--	--	--	--
SFRWQCB ESLs Commercial			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210	--	--	--	--
SFRWQCB ESLs Construction Worker			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,100	--	--	--	--

Bolded values indicate reported detection

EPA RSL = Environmental Protection Agency Regional Screening Level (November 2019)

DTSC-modified SL = Department of Toxic Substances Department Human and Ecological Risk Office (HERO) Note 3 Screening Level (April 2019)

SFRWQCB ESL = San Francisco Regional Water Quality Control Board Environmental Screening Level (January 2019)

NA = Not Analyzed

-- = Not Applicable

mg/kg - milligrams per kilogram

J = Estimated Value (CLP Flag)

< = Not detected above laboratory limit indicated

Table 2:
Limited Phase II Soil Analytical Data Summary
VOCs in Soil by EPA Method 8260B (in mg/kg)

Sample ID	Depth (feet bgs)	Sample Date	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Total Xylenes	p- & m-Xylenes	o-Xylene
TU-01-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-02-2..5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-03-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-04-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-05-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-06-2.5	2.5	21-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-07-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-08-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-09-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-10-2.0	2.0	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
TU-11-2.5	2.5	22-Nov-19	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
EPA RSL Residential Soil			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EPA RSL Industrial Soil			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EPA RSP Construction Worker			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DTSC-modified SL Residential			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DTSC-modified SL Industrial			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SFRWQCB ESLs Residential			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SFRWQCB ESLs Commercial			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SFRWQCB ESLs Construction Worker			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Bolded values indicate reported detection

EPA RSL = Environmental Protection Agency Regional Screening Level (November 2019)

DTSC-modified SL = Department of Toxic Substances Department Human and Ecological Risk Office (HERO) Note 3 Screening Level (April 2019)

SFRWQCB ESL = San Francisco Regional Water Quality Control Board Environmental Screening Level (January 2019)

NA = Not Analyzed

-- = Not Applicable

mg/kg - milligrams per kilogram

J = Estimated Value (CLP Flag)

< = Not detected above laboratory limit indicated

Table 2:
Limited Phase II Soil Analytical Data Summary
Fuels by EPA Method 8015B/LUFT with SGC (mg/kg)

Sample ID	Sample Depth	Sample Date	Light Naptha	Aviation Gas	Stoddard Solvent	Heavy Naptha	Gasoline	Jet Fuel (JP4)	Jet Fuel (JP5)	Jet Fuel (JP6)	Jet Fuel (JP8)	Kerosene	Diesel	Fuel Oil	Fuel Oil #6	Crude Oil	Hydraulic Oil/Motor Oil	Waste Oil	WD-40	Mineral Oil	Mineral Spirit	Lube Oil
TU-01-2.5	2.5	21-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<2.0	<10	<4.0	<4.0
TU-02-2..5	2.5	21-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	**4.3**[A57]	<4.0	<2.0	<10	<4.0	<4.0
TU-03-2.5	2.5	21-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	**4.1**[A57]	<4.0	<2.0	<10	<4.0	<4.0
TU-04-2.5	2.5	21-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	**4.9**[A57]	<4.0	<2.0	<10	<4.0	<4.0
TU-05-2.5	2.5	21-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	**3.8J**[A57]	<4.0	<2.0	<10	<4.0	<4.0
TU-06-2.5	2.5	21-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<2.0	<10	<4.0	<4.0
TU-07-2.5	2.5	22-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	**82**[A01,A57]	<4.0	<2.0	<10	<4.0	<4.0
TU-08-2.5	2.5	22-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<2.0	<10	<4.0	<4.0
TU-09-2.5	2.5	22-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	**7.9**[A57]	<4.0	<2.0	<10	<4.0	<4.0
TU-10-2.0	2.0	22-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<2.0	<10	<4.0	<4.0
TU-11-2.5	2.5	22-Nov-19	<10	<10	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	**18**[A52]	<2.0	<2.0	<4.0	**29**[A57]	<4.0	<2.0	<10	<4.0	<4.0
EPA RSL Residential Soil			--	--	--	--	--	--	--	--	--	--	96	--	--	--	230,000	--	--	--	--	--
EPA RSL Industrial Soil			--	--	--	--	--	--	--	--	--	--	440	--	--	--	3,600,000	--	--	--	--	--
EPA RSL Construction Worker			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DTSC-modified SL Residential			--	--	--	--	--	--	--	--	--	--	2,500	--	--	--	2,500	--	--	--	--	--
DTSC-modified SL Industrial			--	--	--	--	--	--	--	--	--	--	21,000	--	--	--	21,000	--	--	--	--	--
SFRWQCB ESLs Residential			--	--	--	--	--	--	--	--	--	--	260	--	--	--	12,000	--	--	--	--	--
SFRWQCB ESLs Commercial			--	--	--	--	--	--	--	--	--	--	1,200	--	--	--	180,000	--	--	--	--	--
SFRWQCB ESLs Construction Worker			--	--	--	--	--	--	--	--	--	--	1,100	--	--	--	54,000	--	--	--	--	--

EPA RSL = Environmental Protection Agency Regional Screening Level (November 2019); EPA RSL values for Total Petroleum Hydrocarbons Aliphatic Medium value used for diesel and Aliphatic High used for hydraulic oil/motor oil
DTSC-modified SL = Department of Toxic Substances Department Human and Ecological Risk Office (HERO) Note 3 Screening Level (April 2019); DTSC SL TPH C17-C32 Aromatic High value used for diesel and hydraulic oil/motor oil
SFRWQCB ESL = San Francisco Regional Water Quality Control Board Environmental Screening Level (January 2019)

Table 3:
ADL Assessment Analytical Data Summary
EPA Method 6020 (mg/kg)

Sample ID	Lead			
	Surface	1.5-feet bgs	2.5-feet bgs	3.5-feet bgs
KB-1	13	20		
KB-2	7.2	6.9		
KB-3	29	14	3.4	3.3
KB-4	8.4	10	11	11
KB-5	7.5	8.3	8.7	7.2
KB-6	7.6	**200**	8.5	7.6
KB-7	8.2		5.8	5.4
KB-8	32	**120**	25	
KB-9	22	22		
KB-10	30	73	25	27
KB-11	55	**130**		
KB-12	5.2	13		
KB-13	11	13		
KB-14	19	11		
KB-16		16	5.0	9.1
KB-17		**140**	15	2.3
KB-18		26	14	25
KB-20		**80**	59	18
KB-21	53	18		
KB-22	32	12		
KB-23	11	30		
EPA RSL Residential Soil	400			
EPA RSL Industrial Soil	800			
EPA RSL Construction Worker	-			
DTSC-modified SL Residential	**80**			
DTSC-modified SL Industrial	320			
SFRWQCB ESLs Residential	**80**			
SFRWQCB ESLs Commercial	320			
SFRWQCB ESLs Construction Worker	**160**			

Sample Date is November 26, 2019
Sample Date is April 21 or April 22, 2020

EPA RSL = Environmental Protection Agency Regional Screening Level (November 2019)

DTSC-modified SL = Department of Toxic Substances Department Human and Ecological Risk Office (HERO) Note 3 Screening Level (April 2019)

SFRWQCB ESL = San Francisco Regional Water Quality Control Board Environmental Screening Level (January 2019)

NA = Not Analyzed

Bolded values indicate exceedance of a screening value or a screening value that was exceeded

- = Not Applicable

mg/kg - milligrams per kilogram

bgs = below ground surface

Table 4:
Limited Phase II Groundwater Analytical Data Summary
VOCs by EPA Method 8260B (in ug/L)

Sample ID	Sample Date	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene
KBW-1	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
KBW-2	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
KBW-3	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50

ug/L = micrograms per liter

< = not detected above laboratory reporting limit indicated

Table 4:
Limited Phase II Groundwater Analytical Data Summary
VOCs by EPA Method 8260B (in ug/L)

Sample ID	Sample Date	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropene	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl t-butyl ether	Naphthalene	n-Propylbenzene	Styrene
KBW-1	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
KBW-2	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
KBW-3	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50

ug/L = micrograms per liter

< = not detected above laboratory reporting limit indicated

Table 4:
Limited Phase II Groundwater Analytical Data Summary
VOCs by EPA Method 8260B (in ug/L)

Sample ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Total Xylenes	p- & m-Xylenes	o-Xylene
KBW-1	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
KBW-2	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
KBW-3	16-Dec-19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

ug/L = micrograms per liter

< = not detected above laboratory reporting limit indicated

Table 4:
Limited Phase II Groundwater Analytical Data Summary
Fuels by EPA Method 8015B with SGC (in ug/L)

Sample ID	Sample Date	Light Naptha	Aviation Gas	Stoddard Solvent	Heavy Naptha	Gasoline	Jet Fuel (JP4)	Jet Fuel (JP5)	Jet Fuel (JP6)	Jet Fuel (JP8)	Kerosene	Diesel	Fuel Oil	Fuel Oil #6	Crude Oil	Hydraulic Oil/Motor Oil	Waste Oil	WD-40	Mineral Oil	Mineral Spirit	Lube Oil
KBW-1	16-Dec-19	<100	<100	<40	<40	<100	<40	<40	<40	<40	<40	<40	<100	<10	<100	<100	<100	<40	<200	<40	<100
KBW-2	16-Dec-19	<100	<100	<40	<40	<100	<40	<40	<40	<40	<40	<40	<100	<10	<100	<100	<100	<40	<200	<40	<100
KBW-3	16-Dec-19	<100	<100	<40	<40	<100	<40	<40	<40	<40	<40	<40	<100	<10	<100	<100	<100	<40	<200	<40	<100

ug/L = micrograms per liter

< = not detected above laboratory reporting limit indicated

APPENDIX B
OLD BROCKWAY GOLF COURSE UST CLOSURE LETTER

COUNTY OF PLACER
DEPARTMENT OF HEALTH AND HUMAN SERVICES

RAYMOND J. MERZ
DIRECTOR OF HEALTH AND HUMAN SERVICES

ENVIRONMENTAL
HEALTH SERVICES

RICHARD BURTON, M.D.
PUBLIC HEALTH OFFICER

RICHARD H. SWENSON, R.E.H.S.
DIRECTOR

July 22, 1997

Mr. Lane Lewis
Old Brockway Golf Course
Post Office Box 1368
Kings Beach, CA 96143

RE: Closure status of one 550 gallon gasoline tank located at the Old Brockway Golf Course; 7900 North Lake Blvd., Kings Beach, CA 96143

Dear Mr. Lewis:

This letter is to advise you that all work to comply with the California Underground Storage Tank Regulations at subject location has been completed for the permanent closure of one-550 gallon underground storage tank. This Department appreciates your cooperation in this program.

The closure of the underground tank does not preclude any remedial responsibilities mandated by the California Health & Safety Code, California Water Code and the California Code of Regulations if additional or previously unidentified contamination is encountered at or from the site.

If you have any questions, please contact this Department.

Very truly yours,
Richard Swenson, R.E.H.S., Director
Division of Environmental Health

by Rob Palmer
Environmental Health Specialist
Lake Tahoe Area
Hazardous Materials Section

RP: clk
REF: CLOSURE.LTR/WPF:ROB

REPLY TO OFFICE CHECKED
☐ 11454 B AVENUE, AUBURN, CA 95603, (916) 889-7335, FAX (916) 889-7370
☒ P.O. BOX 1909, TAHOE CITY, CA 96145, (916) 581-6240

APPENDIX C
PERMITS

PLACER COUNTY
Department of Health and Human Services, Environmental Health Division
Auburn Office: 3091 County Center Drive, Suite 180, Auburn, CA 95603 (530) 745-2300
Tahoe Office: 775 N Lake Blvd, Suite 203, Tahoe City, CA 96145 (530) 581-6240

---------- **FOR OFFICE USE ONLY** ----------

Project Name	Project Address	Permit (Service Request) Number
Kings Beach Western Approach Project	APN 117-180-010-000	SR0051218

PERMIT TO CONSTRUCT

Regional Water Quality Control Board (RWQCB) Concurrence Received	Yes	☐	NA	☑

This permit is issued with the following conditions:

1. Monitoring wells shall be destroyed as required by the Environmental Health Division or RWQCB.
2. Monitoring wells shall be capped and locked at all times except during sampling.
3. All wells shall be constructed/destroyed pursuant to the standards set forth in the State of California Water Well Standards Bulletin 74-90.
4. Grout shall be placed via tremie pipe if groundwater is encountered.
5. If contamination is encountered, Placer County Environmental Health shall be notified immediately.
6. Contact Placer County Environmental Health at 530-581-6240 to coordinate a grout inspection.

When signed by an authorized representative of the Placer County Environmental Health Division, the application constitutes approval of the permit application.

Permit Issued by:	Date:
Rykkka Jine	12/10/2019

This permit expires one year from the date of issuance, but may be renewed for a fee if application is made PRIOR to the permit expiration date.

REGULATORY INSPECTION RECORD

Date:	Inspector:
Comments:	

PROJECT: KINGS BEACH
11-12-19

A.P.N. 117-180-055

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
AUBURN, CALIFORNIA

_____, 20___

SPACE ABOVE FOR RECORDER

COUNTY OF PLACER

_____ For
SHERMAN LANE LEWIS, GRANTOR

BY _____ 11-15-19
RIGHT-OF-WAY AGENT

_____
HELEN N. LEWIS, GRANTOR

BY AUTHORITY OF ORDINANCE 5152-B, ADOPTED BY BOARD OF SUPERVISORS ON JANUARY 15, 2002

PERMIT TO ENTER

It is mutually agreed by the Grantors and the County of Placer by its authorized agent, named above, as follows:

1. The parties have herein set forth the whole of their agreement. The performance of this agreement constitutes the entire consideration in this transaction and Grantor relieves the County of all further obligation or claims on this account, or on account of the location, grade, or construction of the proposed public improvement.

2. The undersigned represents and warrants that they are the owner of the property shown on the map attached hereto and made a part hereof, and that they have the exclusive right to give this permit.

3. It is understood and agreed by and between the parties hereto that this permit to enter will terminate upon completion of the proposed Geotechnical exploration work.

4. CONDITIONS

A. Permission is hereby granted the County of Placer or its authorized agent to enter upon Grantor's land, as shown on the attached Proposed XPI Testing Area Map (Fig 1) Proposed Phase II Boring Locations (Fig 2) for purposes of performing Environmental exploration shovel and auger probes in support of the design of the proposed improvements at the intersection of State Route (SR) 267 and N Lake Blvd. (SR 28). The proposed exploration work will occur in two parts.

B. Part 1 will involve a pre-field submittal of a dig alert through USA and a geophysical survey to look for buried public and private utilities and storage tanks. The shovel and auger probes used in the Environmental exploration will be 0.25 x 0.25 meters in area at 15-meter intervals. Once road base and other obvious fill material has been removed, probes will be excavated with a three and one eighths inch soil auger in arbitrary 10-centimeter levels to a depth of at least five feet (150 centimeters), where feasible. Part 1 will also involve soil sample collection as part of the investigation.

C. Following Part 1, analytical testing of the soil samples will determine the nature of subsequent testing during Part 2.

D. Part 2 may include soil borings and collection of groundwater samples. In the event that a groundwater sample collection is needed, the 4-inch diameter bore holes will be drilled with a direct push drill rig down to approximately 5-feet. Borings will be grouted in accordance with permit requirements, with excavated soils used as backfill.

E. It is anticipated that the Part 1 pre-field work will occur early the week of November 18, 2019 and the Part 1 exploration work will occur between November 20, 2019 and November 22, 2019.

F. It is anticipated that Part 2 work, if necessary, will occur within the next six (6) weeks and will require up to five working days for pre-field and exploration work to be completed.

G. Grantor understands and agrees that, upon completion of the above work, the Grantor’s land shall be considered as sole property of the Grantor.

H. All work done under this agreement shall conform to all applicable building, fire and sanitary laws, ordinances, and regulations relating to such work, and shall be done in a good and workmanlike manner. The property shall be left in the same condition as existing and if any plants are damaged, they will be replaced in kind.

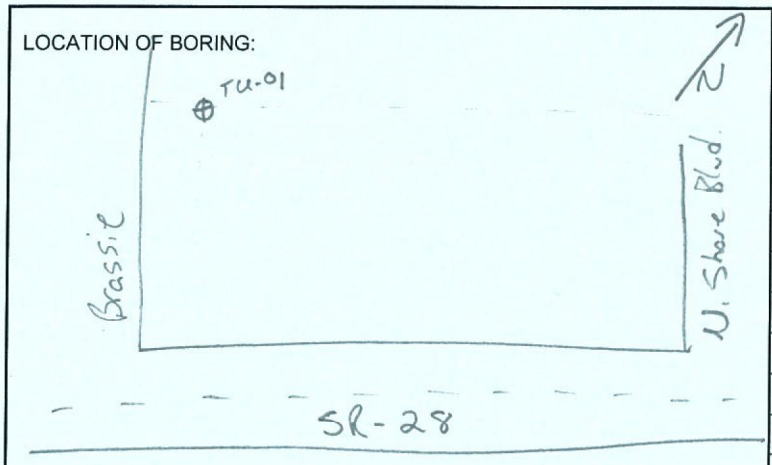
D. The County of Placer shall indemnify, defend and hold Grantor harmless against any liabilities, claims, demands, damages and costs incident to or arising from the exercise by Grantee, its agents, employees and contractors of the rights granted in this agreement.

APPENDIX D
BORING LOGS

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach LJA	BORING NO.: TU-01
JOB NO.: 1011.02.25	TOTAL DEPTH:
PROJ. MGR.: D. Rios	LOGGED BY: BC
DRILLING CONTRACTOR: NA	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME: Q	
SAMPLING METHODS: Hand, Slide Hammer	
HAMMER WT.:	DROP:
STARTED, TIME: 9:00 am	DATE:
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / Viz cont		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	No		1			
										2			
							0.0	No		3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass + Roots
Dark Brown Sandy Silt, Dry - Moist, Loose.

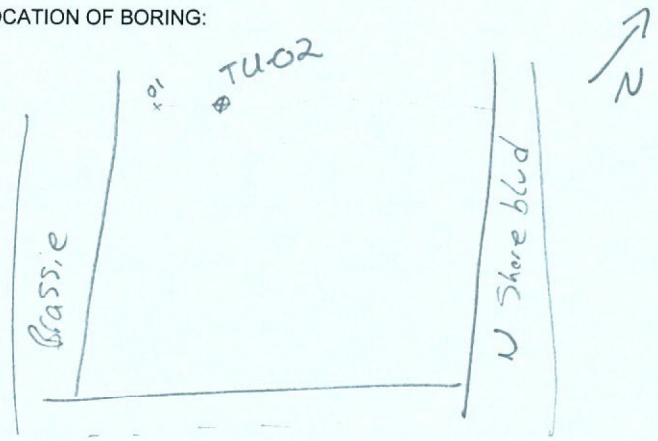
← TU-01-2.5 16oz. gl. jar. Encountered sub angular cobbles Refusal @ 3-3.5'

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-02
	TOTAL DEPTH:
JOB NO.: 1011.02.25	LOGGED BY:
PROJ. MGR.: D. Cox	EDITED BY:
DRILLING CONTRACTOR:	
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand.	
HAMMER WT.:	DROP:
STARTED, TIME: 1000	DATE:
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME: 1000	
DATE: 11/21/19	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / Viz cont.		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
								NO						Roots Grass
							0.0			1				Dark Brown Sandy Silt w/ gravels Dry loose.
							0.0	NO		2				Color change to dark red Brown.
										3				TU-02-2.5
														Refusal at cobbles at 40" depth.
										4				
										5				
										6				
										7				
										8				
										9				
										10				

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
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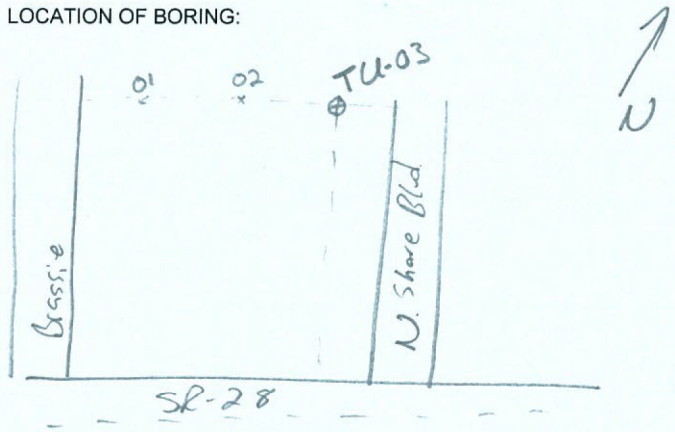
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-03
	TOTAL DEPTH:
JOB NO.: 1011.02.25	LOGGED BY: BC
PROJ. MGR.: D Rios	EDITED BY:
DRILLING CONTRACTOR:	
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Sampling	
HAMMER WT.:	DROP:
STARTED, TIME:	DATE: 11/21/2019
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: . BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor Y/N		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	No		1			
										2			
							0.0	No		3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass + Roots
Dark Brown Sandy Silt Dry loose
Contains <5% well rounded gravels

TU-03-2.5 16oz gl. jar

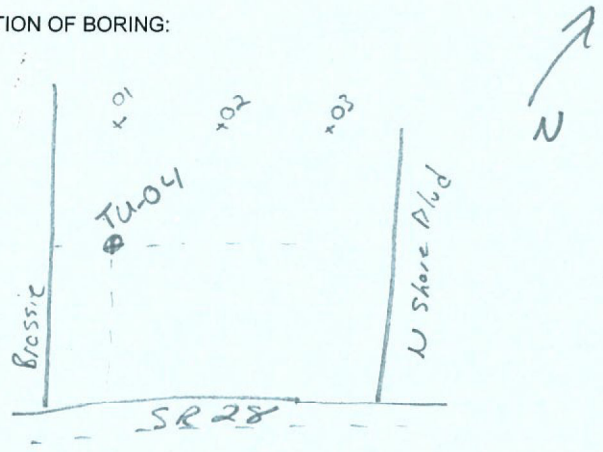
Resistance @ cobble layer. 42"

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-04
JOB NO.: 1011.02.25	TOTAL DEPTH:
PROJ. MGR.: D Rios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand auger	
DRILLER'S NAME:	
SAMPLING METHODS:	
HAMMER WT.:	DROP:
STARTED, TIME: 1130	DATE:
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / Viz		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
								No					
							0.0	No		1			
							0.0	No					
										2			
							0.0	No					
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass & Roots
Med-dark brown sandy silt
dry, loose. < 5% sub-ang gravels
Some organics

TU-04-2.5

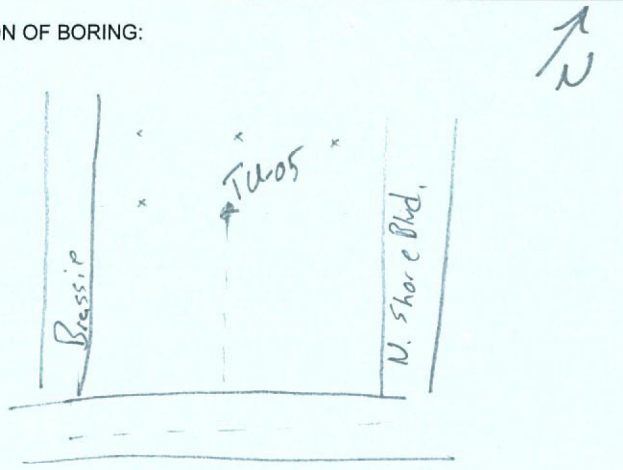
Resistance at cobble layer 42"

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-05
JOB NO.: 1011.02.25	TOTAL DEPTH:
PROJ. MGR.: D. Lios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand	
HAMMER WT.:	DROP:
STARTED, TIME: 1345	DATE: 11/21/2019
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / NZ		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
							0.0	No		1				Grass & Roots Dark reddish brown Sandy Silt Moist soft. Some sub-ang gravels < 5%
Resistance at large cobble mixed boring 3' north										2				
										3				Bottom of Boring 27"
										4				
										5				
										6				
										7				
										8				
										9				
										10				

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
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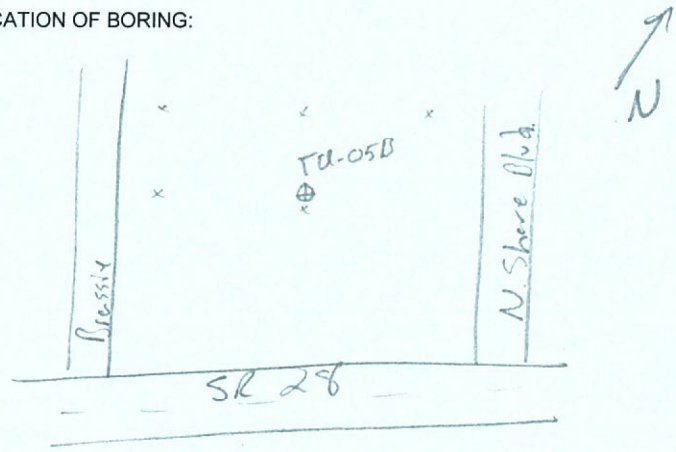
FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-05B
JOB NO.: 1011.02.25	TOTAL DEPTH:
PROJ. MGR.: D Rios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS:	
HAMMER WT.:	DROP:
STARTED, TIME: 1410	DATE: 11/21/2019
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: 1445	DATE: 11/21/19 BY: BC
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / Uiz		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	No		1			
							0.0	No		2			
							0.0	No		3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass + Roots
Dark reddish Brown Sandy silt, Moist Loose

TU-05B-2.5

Bottom at 33"

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:

PROJECT: Kings Beach LA	BORING NO.: TU-06
JOB NO.: 1011.02.25	TOTAL DEPTH:
PROJ. MGR.: D. Rios	LOGGED BY:
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand	
HAMMER WT.:	DROP:
STARTED, TIME: 1500	DATE: 11/21/2019
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.) 4.2	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.: 2-3' below	DATUM:
CONDITIONS: previous Borings	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Oder / Viz		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	NO		1			
							0.0	No		2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass / Roots
Brown Sandy Silt Dry, Loose
Sub-angular - Sub rounded gravels
< 5%
Dark Brown Sandy Silt w/
TU-06-2.5
80-90% Cobbles 5-15cm dia
Brown Sandy Silt w/fines moist
soft, < 10% well rounded gravels
GW @ 4' 3"

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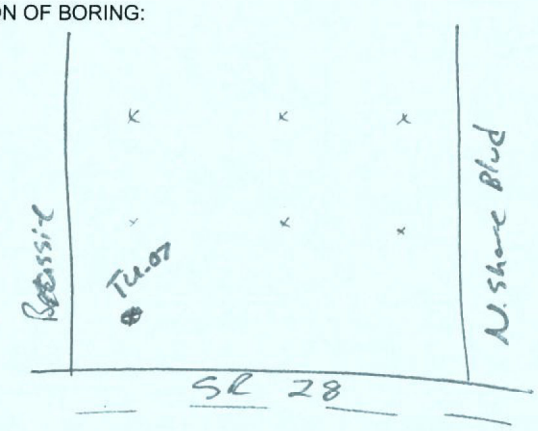
FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-07
JOB NO.: 1011.02.55	TOTAL DEPTH:
PROJ. MGR.: D. Rios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Sampling	
HAMMER WT.:	DROP:
STARTED, TIME: 0740	DATE: 11/22/19
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: 0900	DATE: 11/22/19 BY: BC
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / Viz		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	NO		1			
							0.0	NO		2			
							0.0	NO		3			
							0.0	NO		4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass + Roots
Brown sandy silt w/ fines dry, loose. < 5% rounded gravels < 1 cm dia.

TU-07-2.5 16oz glass jar

Bottom of Boring

GW @ 53" bgs

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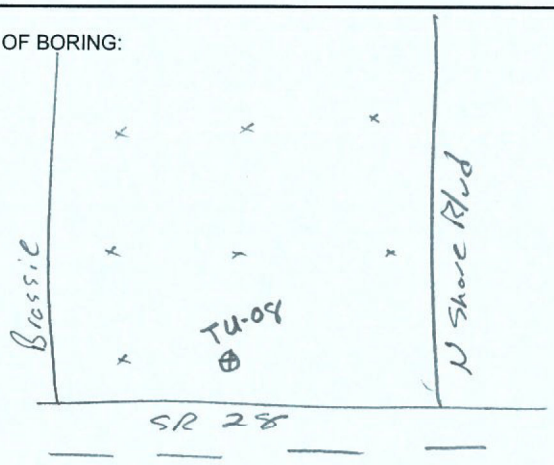
FIELD LOG OF BORING

Sheet _____ of _____

LOCATION OF BORING:



PROJECT: Kings Beach LJA	BORING NO.: TU-08
JOB NO.: 1011.0225	TOTAL DEPTH: 45"
PROJ. MGR.: D. Rios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Sampling	
HAMMER WT.:	DROP:
STARTED, TIME: 0905	DATE: 11/22/2019
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.) 3.75	
TIME:	
DATE:	
BACKFILLED, TIME: 1015	DATE: 11/22/19 BY: BC
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / Viz		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	No		1			
							0.0	No		2			
							0.0	No		3			
							0.0	No		4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass + Roots
Dark Brown Sandy silt moist soft. <5% sub-rounded gravels
Color change to Gray Brown
TU-08-2.5 16 oz Glass Jar
GW @ 45"

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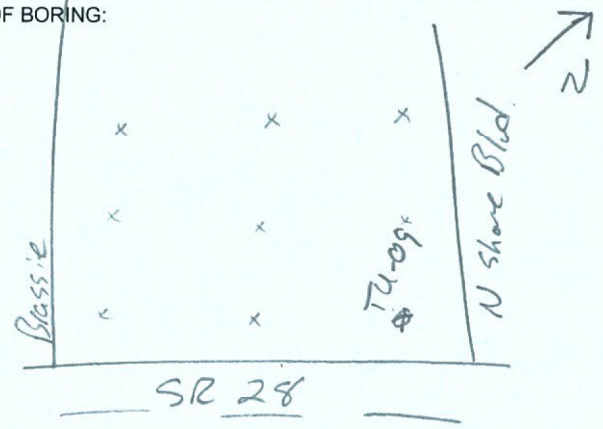
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-09
JOB NO.: 1011.02.25	TOTAL DEPTH: 40"
PROJ. MGR.: D Rios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand	
HAMMER WT.:	DROP:
STARTED, TIME: 1020	DATE: 11/22/19
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.) 3.3	
TIME:	
DATE:	
BACKFILLED, TIME: 1130	DATE: 11/22/19 BY: BC
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	NO		1			
							0.0	No		2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass & Roots
Dark brown sandy silt moist soft. <5% sub-rounded gravels
Color change to Brownish gray

TU-09
GW @ 40" bgs

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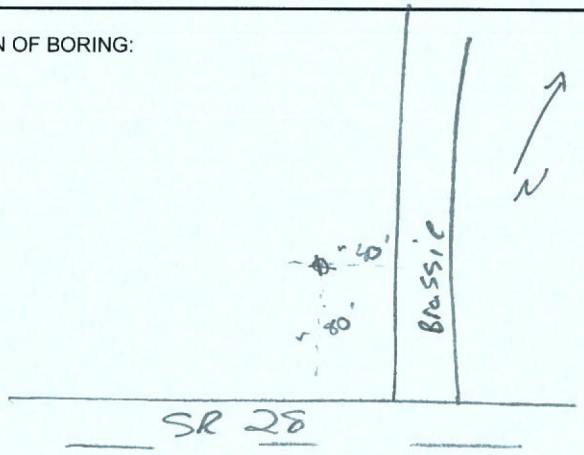
FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-10
JOB NO.: 1011.02.25	TOTAL DEPTH: 48"
PROJ. MGR.: D. Rios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Sampling	
HAMMER WT.:	DROP:
STARTED, TIME: 1135	DATE:
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor/Viz		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
							0.0	NO						Grass + Roots
		Boring					0.0	No		1				Dark Brown Sandy Silt Dry. loose
		located					2.9	No						Some cobbles encountered
		below	Ponderosa Pine							2				TU-10-2.0
		Canopy of												
										3				Gray Brown Sandy silt w/fines
														Moist Soft. <5% Gravels
										4				
										5				
										6				
										7				
										8				
										9				
										10				

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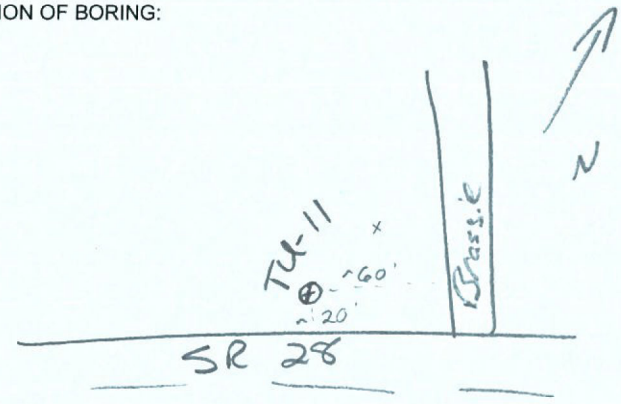
FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:



PROJECT: Kings Beach WA	BORING NO.: TU-11
JOB NO.: 1611.02.25	TOTAL DEPTH: 44"
PROJ. MGR.: D. Rios	LOGGED BY: BC
DRILLING CONTRACTOR:	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Sampling	
HAMMER WT.:	DROP:
STARTED, TIME: 1245	DATE: 11/22/2019
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: 1460	DATE: 11/22/19 BY: BC
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor / Vis		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	No		1			
							0.0	No		2			
							0.9	No					
							1.6	No		3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Grass + Roots
Med Brown Sandy Silt dry loose
<10% well rounded gravels

TU-11-2.5 16 oz Glass Jar

Cobbles

GW @ 44"

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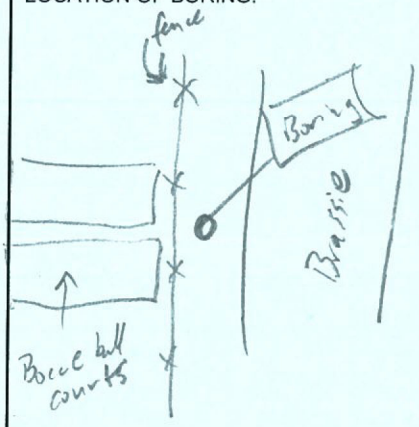
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: KB-1
	TOTAL DEPTH: 1.5'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR:	
DRILL RIG TYPE:	
DRILLER'S NAME: Bobby Carpenter	
SAMPLING METHODS: Hand Auger - 8oz glass jar	
HAMMER WT.:	DROP:
STARTED, TIME: 7:30am	DATE: 11/26/19
COMPLETED, TIME: 7:45	DATE: "

BORING DEPTH (ft.)			
CASING DEPTH (ft.)			
WATER DEPTH (ft.)			
TIME:			
DATE:			

BACKFILLED, TIME: DATE: BY:

SURFACE ELEV.: DATUM:

CONDITIONS:

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	L.I.2		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							N.	N.		1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

KB-1-S
Light Brown Sandy silt dry, loose.

KB-1-1.5

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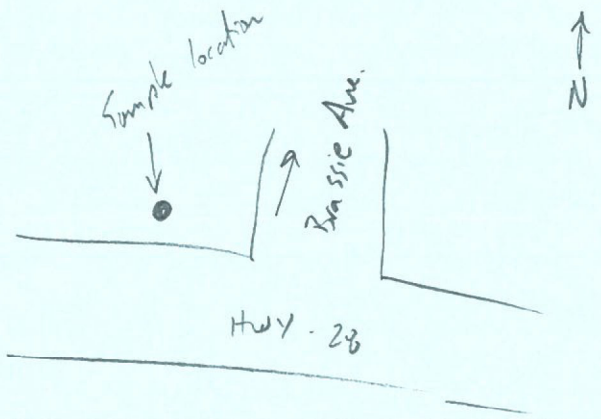
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: # KB-2
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.: D Rios	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Augar	
HAMMER WT.:	DROP:
STARTED, TIME: 7:50 am	DATE: 11/26/19
COMPLETED, TIME:	DATE: "
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: DATE: BY:	
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

KB-2-.5: Sandy Silt, Med. Brown, Moist <5%. Sub-rounded gravels

KB-2-1.5 Sandy Silt, Med Brown. Moist <5% Sub rounded gravels

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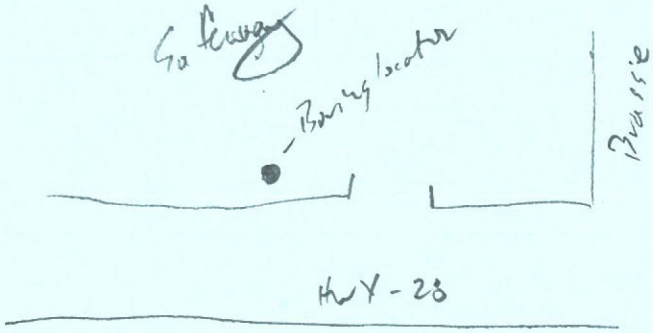
FIELD LOG OF BORING

Sheet _____ of _____

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: KB-3
	TOTAL DEPTH: 2
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 8:15	DATE: 11/26/19
COMPLETED, TIME: 8:25	DATE:

BORING DEPTH (ft.)			
CASING DEPTH (ft.)			
WATER DEPTH (ft.)			
TIME:			
DATE:			

BACKFILLED, TIME: DATE: BY:

SURFACE ELEV.: DATUM:

CONDITIONS:

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							NO	NO					
							No	No		1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Med. Brown, Sandy Silt, dry, soft
KB-3-S

Med Brown, Sandy Silt, dry, firm
KB-3-1.5

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FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:

PROJECT: 1011.02.25	BORING NO.: KB-4
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 8:30	DATE: 11/26/19
COMPLETED, TIME: 8:45	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		0			
							No	No		1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Light brown, Sandy Silt, dry, loose
KB-4-5
light brown, Sandy Silt, dry, loose, <5% sub angular gravels
KB-4-1.5

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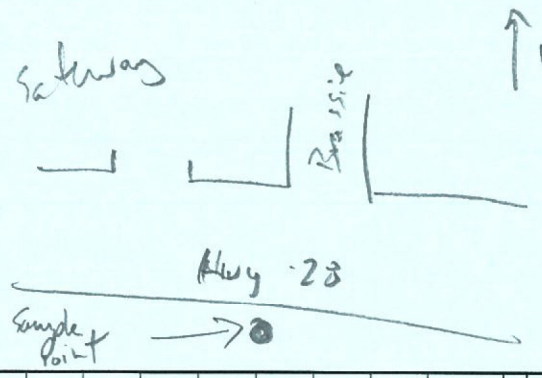
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: KB-5
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 8:50	DATE: 11/26/19
COMPLETED, TIME: 9:05	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		1			
							No	No		2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

light Brown, Sandy Silt, dry, loose
KB-5-S

light Brown, Sandy Silt, dry, loose
KB-5-1.5

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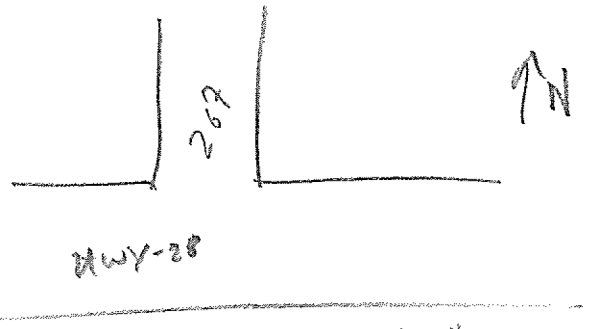
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: KB-6
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 09.00	DATE: 11/26/19
COMPLETED, TIME: 09.15	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: DATE: BY:	
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
							No	No						Light Brown, Sandy Silt, dry, loose
														KB-6-5
							No	No		1				
														Light Brown, Sandy Silt, dry, loose
										2				KB-6-1.5
										3				
										4				
										5				
										6				
										7				
										8				
										9				
										10				

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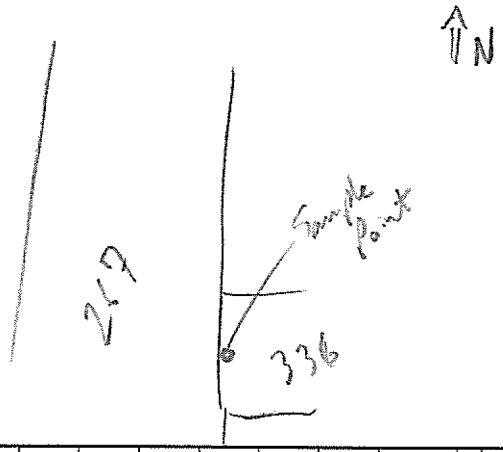
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 101.02.25	BORING NO.: KB-7
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 09:30	DATE: 11/26/19
COMPLETED, TIME: 09:40	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Light Green brown, Sandy silt, dry, loose

KB-7-S

Resistance at 6", unable to complete. Too close to utilities to use more force or move.

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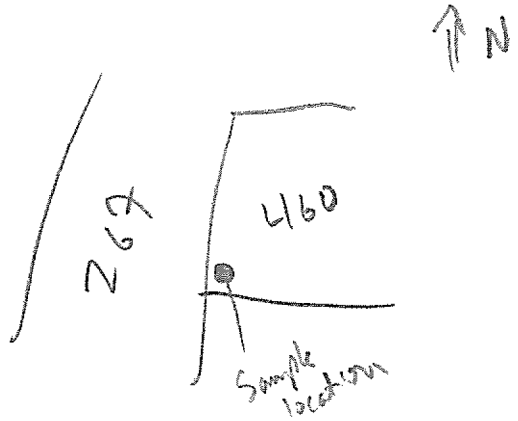
FIELD LOG OF BORING

Sheet ___ of 1

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: KB-8
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS:	
HAMMER WT.:	DROP:
STARTED, TIME: 09:45	DATE: 11/26/19
COMPLETED, TIME: 09:55	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		0			brownish gray, Sandy Silt, dry, loose KB-8-S
							No	No		1			brownish gray, Sandy Silt, dry, loose KB-8-1.5
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

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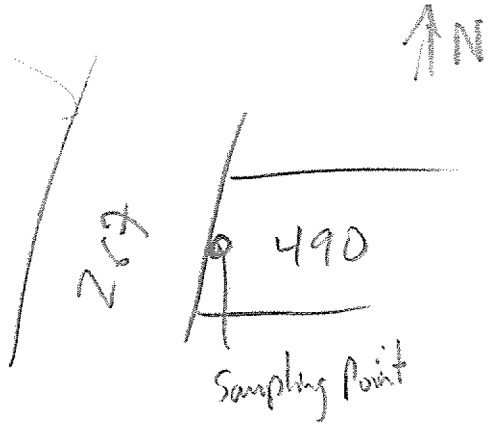
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: KB-9
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 09:57	DATE: 11/26/19
COMPLETED, TIME: 10:05	DATE:

BORING DEPTH (ft.)			
CASING DEPTH (ft.)			
WATER DEPTH (ft.)			
TIME:			
DATE:			

BACKFILLED, TIME: DATE: BY:

SURFACE ELEV.: DATUM:

CONDITIONS:

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
							No	No						Light Brown, Sandy Silt, Dry, loose
										1				~~Color Change @ 1' increment~~ KB-9-5
							No	No						Grey-Brown, Sandy Silt, Dry, loose
										2				
														KB-9-1.5
										3				
										4				
										5				
										6				
										7				
										8				
										9				
										10				

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FIELD LOG OF BORING

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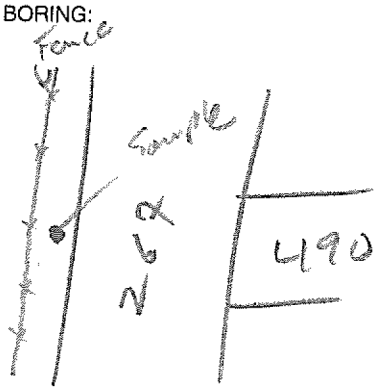
LOCATION OF BORING:



PROJECT: 10.11.02.25	BORING NO.: KB-10
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 10:20	DATE: 11/26/19
COMPLETED, TIME: 10:30	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		0			
							No	No		1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

~~Light~~ Grey Brown, Sandy Silt, Loose, Dry
KB-10-5

Grey Brown Sandy Silt, Loose Dry
KB-10-1.5

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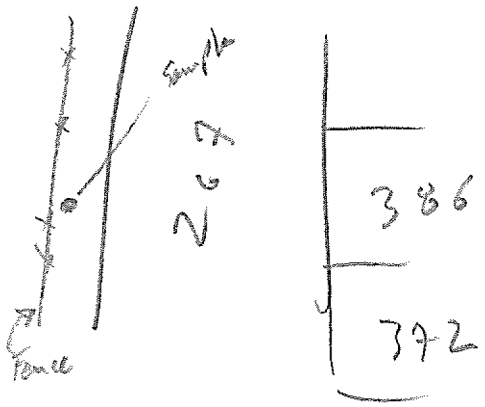
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 101.02.25	BORING NO.: KB-11
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 10.40	DATE: 11/26/19
COMPLETED, TIME: 10:47	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		0			gray, Sandy Silt, dry, loose KB-11-5
							No	No		1			
										2			gray, Sandy Silt dry, loose KB-11-1.5
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

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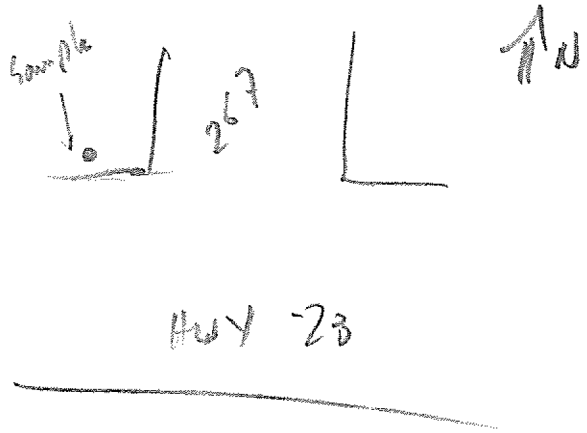
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 101.02.25	BORING NO.: KB-12
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 10:55	DATE: 11/26/19
COMPLETED, TIME: 11:05	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No		1			
							No	No		2			

Dark brown, Sandy Silt, moist, <5% sub angular gravel
KB-12-5

Dark brown, Sandy Silt, moist,
KB-12-1.5

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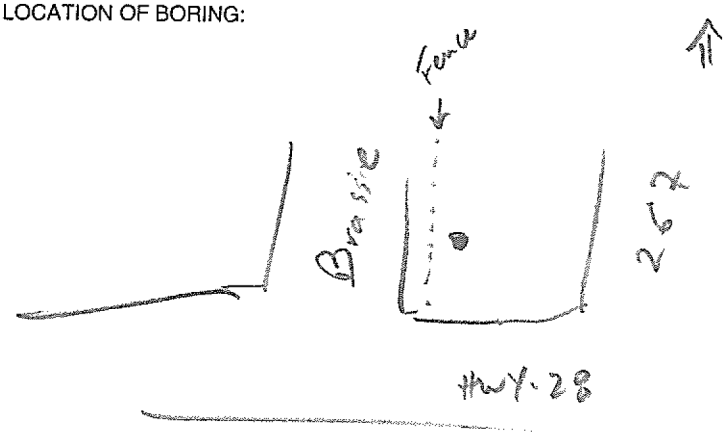
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: 1911.02.25	BORING NO.: KB-13
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 12:25	DATE: 11/26/19
COMPLETED, TIME: 12:75	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
							No	No		1				Med. Brown, Sandy Silt, moist, loose - 25% organics KB-13-5
							No	No		2				Med. Brown Sandy Silt, moist, loose - 10% organics KB-13-1.5
										3				
										4				
										5				
										6				
										7				
										8				
										9				
										10				

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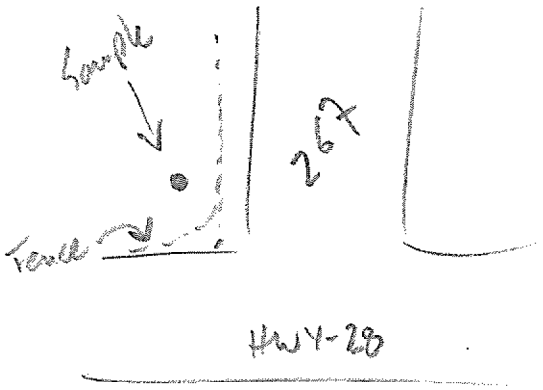
FIELD LOG OF BORING

Sheet ___ of 1

LOCATION OF BORING:



PROJECT: 1011.02.25	BORING NO.: KB-14
	TOTAL DEPTH: 2'
JOB NO.:	LOGGED BY:
PROJ. MGR.:	EDITED BY:
DRILLING CONTRACTOR: NCE	
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS: Hand Auger	
HAMMER WT.:	DROP:
STARTED, TIME: 12:30	DATE: 11/26/19
COMPLETED, TIME: 12:40	DATE: 11/26/19
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Odor	Visual		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							No	No					
							No	No		1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Med. Brown, Sandy Silt, dry, soft
KB-14-S

Med Brown, Sandy Silt
KB-14-1.5

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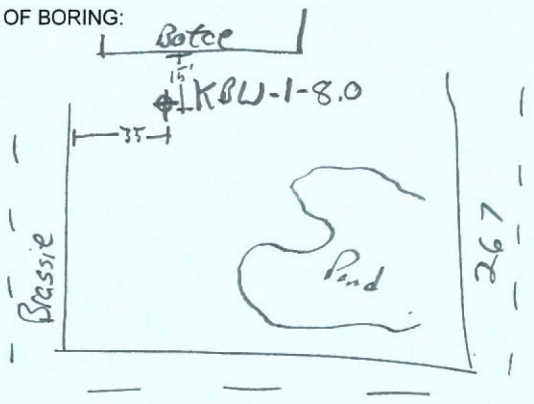
FIELD LOG OF BORING
Sheet _____ of _____

LOCATION OF BORING:



PROJECT: KB UA GW	BORING NO.: KBW-1-8.0
	TOTAL DEPTH:
JOB NO.: 1011.02.25	LOGGED BY: BC
PROJ. MGR.: D. Rios	EDITED BY:
DRILLING CONTRACTOR: Enprobe	
DRILL RIG TYPE: 7822 DT	
DRILLER'S NAME: Josh	
SAMPLING METHODS: Continuous hollow Core	
HAMMER WT.:	DROP:
STARTED, TIME: 0955	DATE: 12/
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.) 8'	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
							0.0	No						Grass & Roots
										1				Dark Brown Sandy silt moist soft.
										2				
														Higher concentration of fines
				34"			0.0	No		3				
										4				
														GW @ 4.7' KBW-1
										5				
														Dark Brown sandy silt Saturated soft
										6				
										7				
														Bottom of Boring
										8				
										9				
WV= 13.12 in^3										10				

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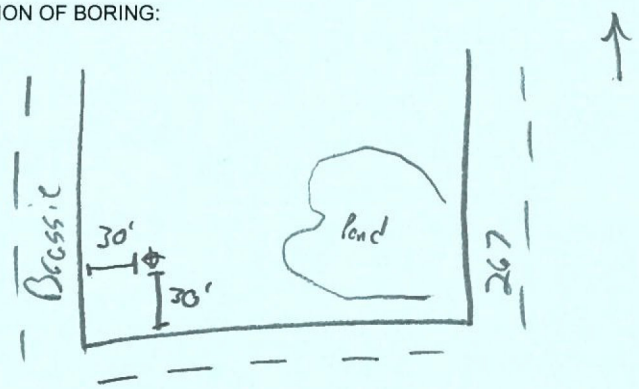
FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:



PROJECT: KB WA GW	BORING NO.: KBW-2-8
	TOTAL DEPTH: 8.0
JOB NO.: 1011.02.25	LOGGED BY: BC
PROJ. MGR.: D. Ross	EDITED BY:
DRILLING CONTRACTOR: Enprobe	
DRILL RIG TYPE: 7822 DT	
DRILLER'S NAME: Josh +1	
SAMPLING METHODS: Hollow stem, Continuous	
HAMMER WT.:	DROP:
STARTED, TIME: 0940	DATE: 12/16/2019
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS: 4-6" snow	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	No		1			
										2			
										3			
										4			
							0.3	No		5			
										6			
							0.0	No		7			
										8			
										9			
										10			

Grass & Roots
Red Brown Sandy Silt wet soft.

KBW-2-3.5

GW @ 4' KBW-2

Gray Brown Sandy silt w/ fines
Saturated soft
Bottom of boring

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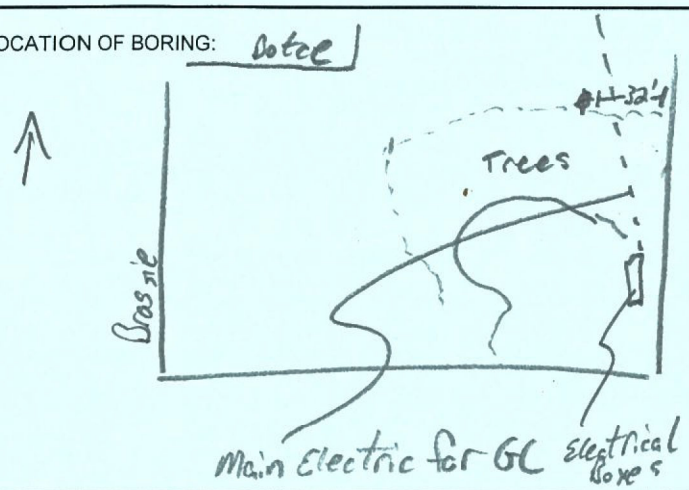
FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING: Botec



PROJECT: KB WA GW	BORING NO.: KBW-3-8
	TOTAL DEPTH:
JOB NO.: 1011.02.25	LOGGED BY: BC
PROJ. MGR.: D. Rios	EDITED BY:
DRILLING CONTRACTOR: Enprobe	
DRILL RIG TYPE: 7822 DT	
DRILLER'S NAME: Josh +1	
SAMPLING METHODS: Continuous	
HAMMER WT.:	DROP:
STARTED, TIME: 1045	DATE: 12/16/19
COMPLETED, TIME:	DATE:
BORING DEPTH (ft.) 8	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS: 4-6" snow	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	PID	Odor		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							0.0	NO		1			
										2			
							0.0	NO				½	
							0.0	NO		3			
										4			
				No						5			
										6			
										7			
										8			
										9			
										10			

Soil + Grass
Dark Brown Sandy silt Wet Soft
Soil Sample KBW-3-2.5
GW@ 3.3' KBW-3 saturated
Bottom of Boring

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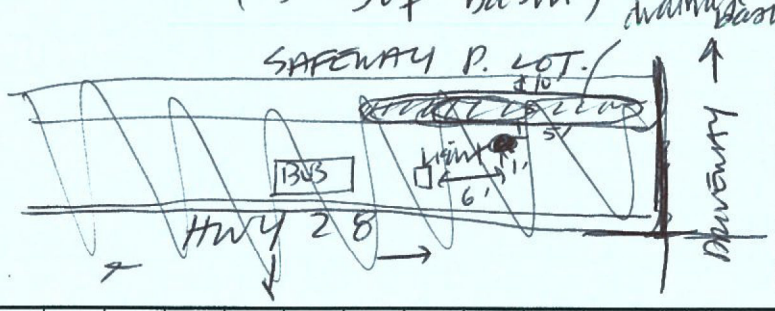
FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:

6' East of light pole east of bus stop
+2' north
(5' S of basin)



PROJECT: Western Approach	BORING NO.: KB-03
JOB NO.: 1101.02.25	TOTAL DEPTH: 4-ft.
PROJ. MGR.: Dave Rios	LOGGED BY: KANDO
DRILLING CONTRACTOR: ENPROBE	EDITED BY:
DRILL RIG TYPE: Hand auger	
DRILLER'S NAME:	
SAMPLING METHODS:	
~~HAMMER WT.:~~	~~DROP:~~
STARTED, TIME: 0854	DATE: 4.21.20
COMPLETED, TIME: 0916	DATE: 4.21.20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME: 4/21/20	
DATE: 1258	
BACKFILLED, TIME:	DATE: 4/21/20 BY: Enprobe
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	H. Auger	S. Hammer		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										1			
										2			
							✓			3			
							✓			4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown sandy silt - fine grained

saturated sandy silt (reddish brown)
KB-03-2.5 (Hand Auger)

KB-03-3.5 (Hand Auger)
Saturated Sandy silt

Grouted @ 1258 4/21/20
w/Portland by Enprobe
Cement
Type I/II

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FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
15' SW of NO parking / Bike Lane sign in front of public parking lot across st. from Safeway.

PROJECT: Western Approach	BORING NO.: KB-04
JOB NO.: 1101.02.25	TOTAL DEPTH: 4'
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME: Shaun + Ryan	
SAMPLING METHODS: h. auger	
~~HAMMER WT.~~:	~~DROP~~:
STARTED, TIME: 0850	DATE: 4/22/20
COMPLETED, TIME: 0912	DATE: 4/22/20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: DATE: BY:	
SURFACE ELEV.:	DATUM:
CONDITIONS: Sunny, mostly clear skies, 68°F	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	hand auger			DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										0			
										1			
							✓			2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown silty sand

hit rock/refusal
KB-04-2.5 (0907)

KB-04-3.5 (0912)

Grouted 4/22/20 @ 0915 by Enprobe w/ Portland Type I/II Cement

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FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
1.5 ft. north of rock sign "OPEN 6AM-10PM) @ NE corner of park. lot. (Public) S of Brassie Ave.

PROJECT: Western Approach	BORING NO.: KB-05
	TOTAL DEPTH: 4'
JOB NO.: 1101.02.25	LOGGED BY: KA
PROJ. MGR.: DR	EDITED BY:
DRILLING CONTRACTOR: ENPROPE	
DRILL RIG TYPE: H. Auger	
DRILLER'S NAME: SHAWN	
SAMPLING METHODS: HA / SH	
~~HAMMER WT.:~~	~~DROP:~~
STARTED, TIME: 1035	DATE: 4.21.20
COMPLETED, TIME: 1058	DATE: 4.21.20
BORING DEPTH (ft.) 4'	
~~CASING DEPTH (ft.)~~	
~~WATER DEPTH (ft.)~~	
TIME:	
DATE:	
BACKFILLED, TIME: DATE: BY:	
SURFACE ELEV.: DATUM:	
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	H Auger	S. Hammer		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										0			
										1			
								✓		2			
							✓			3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown Sandy Silt (moist)

Brown Silty Sand w/ Gravel (3/4") ~20%

KB-05-2.5 (1052)

KB-05-3.5 (1058)

Grouted 4/21/20 Enprobe w/ Portland 1/3 Type I/II Cement

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING: 5' west of metal lock box S of CA-28; Across St. from Sierra Tires & 1' North

PROJECT: Western Approach	BORING NO.: KB-06
	TOTAL DEPTH: 4'
JOB NO.: 1101.02.25	LOGGED BY: KA
PROJ. MGR.: DR	EDITED BY:
DRILLING CONTRACTOR: Enprobe	
DRILL RIG TYPE: hand auger	
DRILLER'S NAME: Shawn	
SAMPLING METHODS: hand auger	
~~HAMMER WT.:~~	~~DROP:~~
STARTED, TIME: 1135	DATE: 4.21.20
COMPLETED, TIME: 1146	DATE: 4.21.20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE: 4/21/20	
BACKFILLED, TIME: 1245	DATE: 4/21/20 BY: Shawn
SURFACE ELEV.:	DATUM:
CONDITIONS: cloudy, sun; 65°F	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	hand auger - sample method			DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG	
												/		Dark brown sandy silt, moist
										1		/		
										2		/		
							✓			3		/		KB-06-2.5 (1145)
							✓			4		/		KB-06-3.5 (1146)
										5				GROUTED @ 1245 by Shawn w/ Enprobe w/ Portland Cement 4/21/20
										6				
										7				
										8				
										9				
										10				

Reqd by OSW GAS due to gas line in area

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FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
KB-07 0816. Locn too close to GAS + Fiber optics line. Shifted to in front of 372 CA-267 5' S of driveway, 1' from curb

PROJECT: Western Approach	BORING NO.: KB-07
JOB NO.: 1101.02.25	TOTAL DEPTH:
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE:	
DRILLER'S NAME:	
SAMPLING METHODS:	
HAMMER WT.:	DROP:
STARTED, TIME: 1542	DATE: 4.21.20
COMPLETED, TIME: 1600	DATE: 4.21.20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: DATE: BY:	
SURFACE ELEV.: DATUM:	
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Hanger			DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										1			
										2			
							✓			3			
							✓			4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown Sandy Silt

KB-07-2.5 (1555)

KB-07-3.5 (1600)
GROUTED 4/21/20 @1605 W/ PORTLAND TYPE I/II cement by ENPROBE

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
1' S. of driveway North of house @ 410 CA-267

PROJECT: Western Approach	BORING NO.: KB-08
	TOTAL DEPTH: 3.5'
JOB NO.: 1101.02.25	LOGGED BY: KA
PROJ. MGR.: DR	EDITED BY:
DRILLING CONTRACTOR: Enprobe	
DRILL RIG TYPE: hand auger	
DRILLER'S NAME: Shaun	
SAMPLING METHODS: hand auger	
~~HAMMER WT.~~:	~~DROP:~~
STARTED, TIME: 1420	DATE: 4.21.20
COMPLETED, TIME: 1437	DATE: 4.21.20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	hand auger			DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										0			
										1			
							✓			2			
												3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown Sandy silt

KB-08-2.5 (1424)

~~[illegible]~~ Hit rock; could not get 3.5 ft. sample.

Grouted Hole to by Enprobe w/ Portland Type I/II cement

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FIELD LOG OF BORING
Sheet ____ of 1

LOCATION OF BORING:
4 ft N of Driveway to 440 CA-267
5 ft east of curb.
10 ft. SE of mile 9.76 marker

PROJECT: Western Approach	BORING NO.: KB-10
JOB NO.: 1101.02.25	TOTAL DEPTH:
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE: hand auger	
DRILLER'S NAME: Shawn + Ryan	
SAMPLING METHODS: hand auger	
HAMMER WT.:	DROP:
STARTED, TIME: 1446	DATE: 4/21/20
COMPLETED, TIME: 1458	DATE: 4/21/20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE				DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown Sandy silt

KB-10-2.5 (1456)

KB-10-3.5 (1458)

GROUTED 4/21/20 @ 1530
by ENPROBE W/ PORTLAND Type I/II Cement

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P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
2' SE OF BUS STOP SIGN S SIDE OF CA-78

PROJECT: Western Approach	BORING NO.: KB-16
JOB NO.: 110.02.25	TOTAL DEPTH: 4'
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: ENPROBE	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME:	
SAMPLING METHODS:	
HAMMER WT.:	DROP:
STARTED, TIME: 0945	DATE: 4.21.20
COMPLETED, TIME: 1031	DATE:
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: 1315 DATE: 4/21/20 BY: Enprobe	
SURFACE ELEV.:	DATUM:
CONDITIONS: Clear skies, some cloud, 65°F	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SLIDE HAMMER	Hand auger		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										0			
							✓			1			
							✓			2			
								✓		3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown sandy SILT - moist fine grained

KB-16-1.5 (0951) (S. Hammer) hit Refusal - made hole w/ digging bar + hand auger

light brown sand fine grained

KB-16-2.5 (1020) (S. Hammer)

brown sandy SILT

KB-16-3.5 (1031) (Hand auger)

Grouted 1315 by Enprobe 4/21/20 w/ portland Type I/II

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FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:
5' SE OF LANE MERGE SIGN
S OF GOLF COURSE/SPINDLES HANGS SIGN S OF CA-28

PROJECT: Western Approach	BORING NO.: KB-17
JOB NO.: 1101.02.25	TOTAL DEPTH: 4'
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME: Shaun	
SAMPLING METHODS: HA/SH	
HAMMER WT.:	DROP:
STARTED, TIME: 1104	DATE: 4.21.20
COMPLETED, TIME: 1125	DATE: 4.21.20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE 4/21/20	
BACKFILLED, TIME: 1240	DATE: 4/21/20 BY: Shaun
SURFACE ELEV.:	DATUM:
CONDITIONS: Cloudy, sunny, 65°F	

Sample method

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	H. Auger	S. Hammer		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										1			
								✓		2			
							✓			3			
								✓		4			
										5			
										6			
										7			
										8			
										9			
										10			

~~Sandy Silt~~ dark brown sandy silt, moist

KB-17-1.5 (1110)
brown silty sand, moist
KB-17-2.5 (1120)

KB-17-3.5 (1125)
Grouted @ 1240 by Shaun w/ Enprobe
w/ portland cement

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FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
~~4' SE of "SPEED LIMIT 25" SIGN S OF CA-28, across from drainage ditch N OF 267~~
~~7' W of SD cover nearest CA-28~~ Moved due to gravel + rocks;
3' W of speed limit sign S OF CA 28, SE of Sierra Pines

PROJECT: Western Approach	BORING NO.: KB-~~#~~ 18
JOB NO.: 1101.02.25	TOTAL DEPTH: 1
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME: Shaun	
SAMPLING METHODS:	
~~HAMMER WT.~~:	~~DROP:~~
STARTED, TIME: 1149	DATE: 4.21.20
COMPLETED, TIME: 1228	DATE: 4.21.20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: 1230	DATE: 4/21/20 BY: Shaun
SURFACE ELEV.:	DATUM:
CONDITIONS: Sunny, cloud cov. 20%, 65°F	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	H. Auger	S. Hammer	Sampling method	DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										0			
								✓		1			
							✓			2			
							✓			3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown sandy silt, moist

KB-18-1.5 (1209)
hit refusal; broken w/ digging bar
KB-18-2.5 (1224) 10% 3/4"
Brown sand w/ 3/4" grave gravel
KB-18-3.5 (15%)
(1228)

GROUTED @ 1230 4/21/20 by Enprobe

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FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING: 6 Ft. N of large tree in front of 400 EA-267 (Blue + White house) (east side) 3' from edge of curb

PROJECT: Western Approach	BORING NO.: KB-20
JOB NO.: 1101.02.25	TOTAL DEPTH: 4'
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE: Hand Auger	
DRILLER'S NAME: Shawn	
SAMPLING METHODS:	
HAMMER WT.:	DROP:
STARTED, TIME: 1340	DATE: 4.21.20
COMPLETED, TIME: 1419	DATE: 4.21.20
BORING DEPTH (ft.)	
CASING DEPTH (ft.)	
WATER DEPTH (ft.)	
TIME:	
DATE:	
BACKFILLED, TIME: DATE: BY:	
SURFACE ELEV.: DATUM:	
CONDITIONS: 65°F Sunny, slight breeze	

Sampling method: Hand Auger, Slide Hammer

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Hand Auger	Slide Hammer		DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										0			
							✓			1			
							✓			2			
							✓			3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Brown Sandy Silt

KB-20-1.5 (1406)

KB-20-2.5 (1417)

KB-20-3.5 (1419)

GROUTED 4/21/20 by Enprobe w/ Portland Type I/II Cement

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
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FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
18' N of Fire truck sign
W side CA-267

PROJECT: Western Approach	BORING NO.: KB-21
	TOTAL DEPTH: 2'
JOB NO.: 1101.02.25	LOGGED BY: KA
PROJ. MGR.: DR	EDITED BY:
DRILLING CONTRACTOR: Enprobe Sharpshooter	
DRILL RIG TYPE: Shovel + ~~Post Hole Digger~~ shovel	
DRILLER'S NAME: Shawn + Ryan	
SAMPLING METHODS: ~~Direct Push~~ Sharpshooter shovel	
~~HAMMER WT.~~:	~~DROP~~:
STARTED, TIME: 1002	DATE: 4/22/20
COMPLETED, TIME: 1010	DATE: 4/22/20
~~BORING DEPTH (ft.)~~	
~~CASING DEPTH (ft.)~~	
~~WATER DEPTH (ft.)~~	
~~TIME:~~	
~~DATE:~~	
BACKFILLED, TIME: 1015 DATE: 4/22/20 BY: Enprobe	
~~SURFACE ELEV.:~~	DATUM:
~~CONDITIONS:~~ Clear skies, sunny, 68°F	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Shovel			DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							✓			0			
							✓			1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

KB-21-0 Dark brown sandy SILT (1003)

KB-21-1.5 (1010)

Backfilled w/sand by Enprobe @ 1015 on 4/22/20

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
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FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
3' N of curb, 20' N of "End 267 IT 28" sign, in front of Spindleshanks SE building corner.

PROJECT: Western Approach	BORING NO.: KB-22
JOB NO.: 1101.02.25	TOTAL DEPTH: 2'
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE: Shovel + Sharpshooter	
DRILLER'S NAME: Shawn, Ryan	
SAMPLING METHODS: Sharpshooter Shovel	
~~HAMMER WT.:~~	~~DROP:~~
STARTED, TIME: 0925	DATE: 4/22/20
COMPLETED, TIME: 0940	DATE: 4/22/20
~~BORING DEPTH (ft.)~~	
~~CASING DEPTH (ft.)~~	
~~WATER DEPTH (ft.)~~	
TIME: 0957	
DATE:	
BACKFILLED, TIME: 0957	DATE: 4/22/20 BY:
SURFACE ELEV.:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE				DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

KB-22-0 (0928) Brown sandy silt

KB-22-1.5 (0938)
Backfilled w/ sand by Enprobe 4/22/20 @ 0957

NCE 8795 Folsom Blvd, Ste 250 Sacramento, CA 95826
P: 916.388.5655 F: 916.388.5676

FIELD LOG OF BORING
Sheet 1 of 1

LOCATION OF BORING:
25' N of 980 sign in front of Spindleshanks
W of CA-267
2' W of curb, 5' E of wood fence.

PROJECT: Western Approach	BORING NO.: KB-23
JOB NO.: 1101.02.25	TOTAL DEPTH: 2'
PROJ. MGR.: DR	LOGGED BY: KA
DRILLING CONTRACTOR: Enprobe	EDITED BY:
DRILL RIG TYPE: Shovel, Sharp Shooter Shovel	
DRILLER'S NAME: Shaun, Ryan	
SAMPLING METHODS: Sharp Shooter Shovel	
~~HAMMER WT.:~~	~~DROP:~~
STARTED, TIME: 1023	DATE: 4/22/20
COMPLETED, TIME: 1035	DATE: 4/22/20
~~BORING DEPTH (ft.)~~	
~~CASING DEPTH (ft.)~~	
~~WATER DEPTH (ft.)~~	
~~TIME: 1045~~	
DATE:	
BACKFILLED, TIME: 1045 DATE: 4/22/20 BY: Enprobe	
~~SURFACE ELEV.:~~	DATUM:
CONDITIONS: Sunny, Clear skies, 68°F	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	Shovel			DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
							✓						
							✓			1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			

Dark brown sandy silt
KB-23-0 (1024)
Reddish brown sandy silt w/ 3/4" gravel to 1" (2.35%)
KB-23-1.5 (1035)
Backfilled w/ clean sand by Enprobe 4/22/20 @ 1045

APPENDIX E
PHOTOS

Photo 1. Test Unit (TU) excavated approximately 4-feet (November 22, 2019).

Photo 2. View facing north from proposed eastern ROW acquisition area (November 21, 2019).

Photo 3. Collection of soil samples to assess for ADL using a hand auger (November 25, 2019).

Photo 4. Waste soils generated during collection of soil samples for assessment of ADL (April 21, 2020).

NCE
8795 Folsom Blvd., Suite 250
Sacramento, California 95826
(916) 388-5655

Limited Phase II Environmental Assessment
Kings Beach Western Approach Project
Placer County, CA

Photo Log

1

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
KA	1101.02.25		1/02/2020	5/5/2020

APPENDIX F
ANALYTICAL LABORATORY REPORTS

Date of Report: 12/04/2019

Kiri Ando

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Client Project:	1011.02.25
BCL Project:	Kings Beach WA
BCL Work Order:	1939912
Invoice ID:	B363749

Enclosed are the results of analyses for samples received by the laboratory on 11/23/2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Stuart Buttram
Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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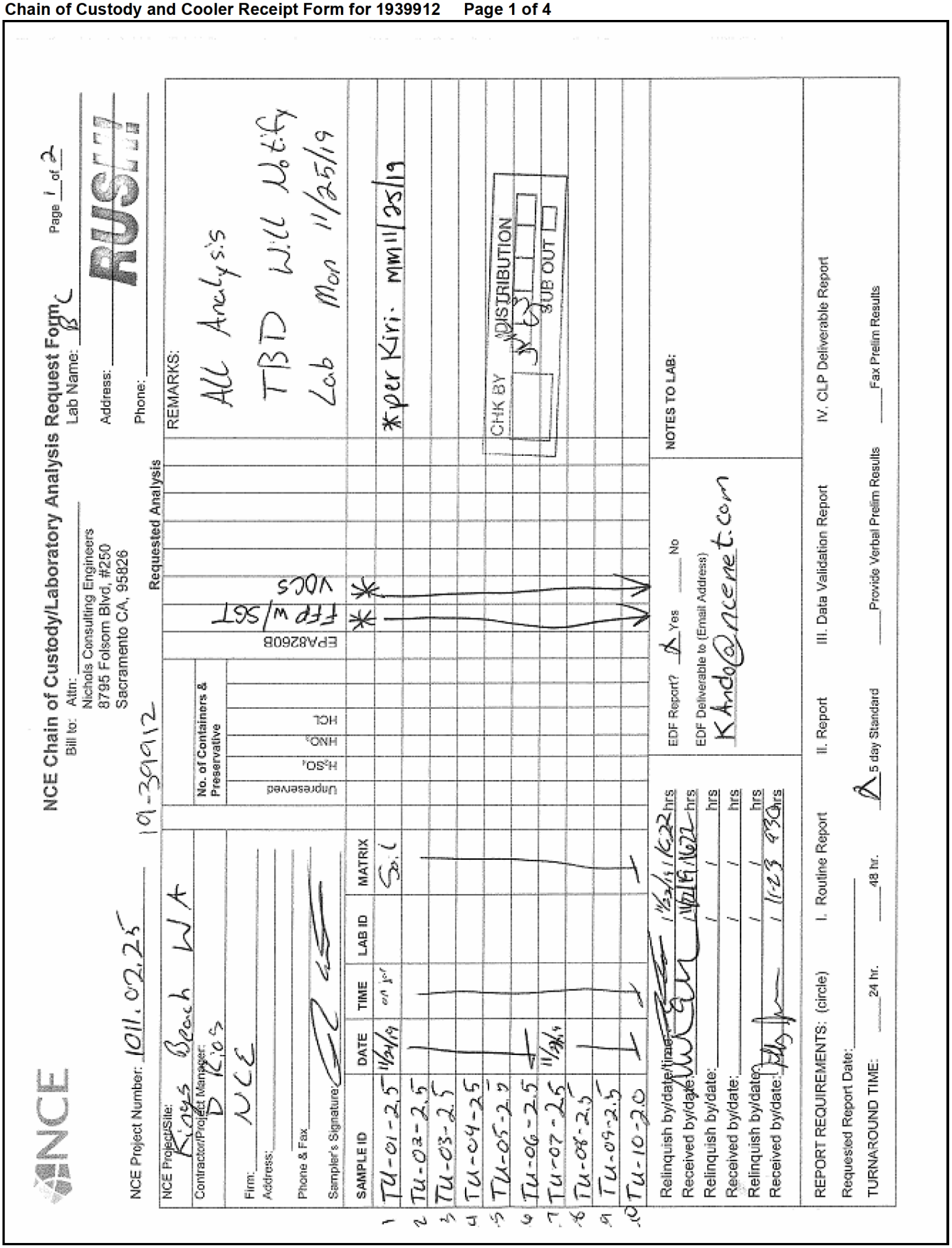
NCE



NCE Chain of Custody/Laboratory Analysis Request Form

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Bill to: Attn: _____
Nichols Consulting Engineers
8795 Folsom Blvd, #250
Sacramento CA, 95826

Lab Name: BC
Address: RUSH!
Phone:

NCE Project Number: 1011.02.25

19-39912

NCE Project/Site: Kings Beach WA
Contractor/Project Manager: D Rios
Firm: NCE
Address:
Phone & Fax
Sampler's Signature:

No. of Containers & Preservative: Unpreserved, H_2SO_4, HNO_3, HCL

Requested Analysis: EPA8260B, FFP w/SGT, VOCs

REMARKS: All Analysis TBD Will Notify Lab Mon 11/25/19

	SAMPLE ID	DATE	TIME	LAB ID	MATRIX	Unpreserved	H_2SO_4	HNO_3	HCL	EPA8260B	FFP w/SGT	VOCs	REMARKS
1	TU-01-2.5	11/21/19	on jar		Soil						*	*	*per Kiri. MM 11/25/19
2	TU-02-2.5												
3	TU-03-2.5												
4	TU-04-2.5												
5	TU-05-2.5												
6	TU-06-2.5												
7	TU-07-2.5	11/21/19											
8	TU-08-2.5												
9	TU-09-2.5												
10	TU-10-2.0												

CHK BY
DISTRIBUTION
SUB OUT

Relinquish by/date/time: 11/22/19 1622 hrs
Received by/date: 11/22/19 1622 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs
Relinquish by/date: / / hrs
Received by/date: 11-23 930 hrs

EDF Report? X Yes ____ No
EDF Deliverable to (Email Address)
KAndo@ncenet.com

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report

Requested Report Date: _____

TURNAROUND TIME: ____24 hr. ____48 hr. X 5 day Standard ____Provide Verbal Prelim Results ____Fax Prelim Results

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NCE

NCE Chain of Custody/Laboratory Analysis Request Form

Page 2 of 2

Bill to: Attn: K Ando
Nichols Consulting Engineers
8795 Folsom Blvd, #250
Sacramento CA, 95826

Lab Name: BC
Address: RUSH
Phone:

NCE Project Number: 1011.02.25 19-39912

NCE Project/Site: Kings Beach WA
Contractor/Project Manager: D Ries
Firm: NCE
Address:
Phone & Fax
Sampler's Signature:

Requested Analysis

SAMPLE ID	DATE	TIME	LAB ID	MATRIX	No. of Containers & Preservative: Unpreserved	H_2SO_4	HNO_3	HCL	EPA8260B	FFP w/SGT	VOCs
1 TU-11-26	11/22/19	on Tu		Soil						*	*

REMARKS: Analysis TBD

Relinquish by/date/time: 11-22-19 1622 hrs
Received by/date: 11-22-19 1622 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs
Relinquish by/date: / / hrs
Received by/date: 11-23-19 930 hrs

EDF Report? X Yes ___ No
EDF Deliverable to (Email Address)

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report

Requested Report Date:

TURNAROUND TIME: ___24 hr. ___48 hr. X 5 day Standard ___Provide Verbal Prelim Results ___Fax Prelim Results

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Chain of Custody and Cooler Receipt Form for 1939912 Page 3 of 4

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 2

Submission #: 19-39912

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☐ Other ☒ (Specify) CT30	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.95 Container: IR G160 Thermometer ID: 208 Date/Time 11-23 930

Temperature: (A) 0.4 °C / (C) 0.9 °C Analyst Init JH

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PLA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JH Date/Time: 11/25/19 9:20

A = Actual / C = Corrected

Rev 21 05/23/2016

(S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20)

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Chain of Custody and Cooler Receipt Form for 1939912 Page 4 of 4

BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 Of 2

Submission #: 19-39912

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GSO	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.95 Container: CRG1000 Thermometer ID: 208 Date/Time 4-23 930

Temperature: (A) 0.4 °C / (C) 0.9 °C Analyst Init TT

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR	A									
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: [signature] Date/Time: 11/25/19 9:20 Rev 21 05/23/2016

A = Actual / C = Corrected

[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMRECrev 20]

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1939912-01	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/21/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-01-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-02	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/21/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-02-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-03	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/21/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-03-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-04	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/21/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-04-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-05	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/21/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-05-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-06	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/21/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-06-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-07	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/22/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-07-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1939912-08	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/22/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-08-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-09	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/22/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-09-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-10	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/22/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-10-2.0	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1939912-11	**COC Number:**	---	**Receive Date:**	11/23/2019 09:30
	Project Number:	Kings Beach WA	**Sampling Date:**	11/22/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TU-11-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-01 | **Client Sample Name:** Kings Beach WA, TU-01-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-01 | **Client Sample Name:** Kings Beach WA, TU-01-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	**0.0021**	**mg/kg**	**0.0050**	**0.0017**	**EPA-8260B**		**J**	1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	95.3	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-01 | **Client Sample Name:** Kings Beach WA, TU-01-2.5, 11/21/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/26/19 21:14	BYM	MS-V3	1	B063021

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-01 | **Client Sample Name:** Kings Beach WA, TU-01-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	4.0	1.3	EPA-8015B/FFP	ND		1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	124	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 06:40	BUP	GC-19	0.964	B063312

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-02 | **Client Sample Name:** Kings Beach WA, TU-02-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-02 | **Client Sample Name:** Kings Beach WA, TU-02-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	96.4	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-02 | **Client Sample Name:** Kings Beach WA, TU-02-2.5, 11/21/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/26/19 21:38	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-02 | **Client Sample Name:** Kings Beach WA, TU-02-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**4.3**	**mg/kg**	**4.0**	**1.3**	**EPA-8015B/FFP**	ND	**A57**	1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	95.5	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 07:08	BUP	GC-19	0.954	B063312

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-03 | **Client Sample Name:** Kings Beach WA, TU-03-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-03 | **Client Sample Name:** Kings Beach WA, TU-03-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	93.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-03 | **Client Sample Name:** Kings Beach WA, TU-03-2.5, 11/21/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/26/19 22:02	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-03 | **Client Sample Name:** Kings Beach WA, TU-03-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**4.1**	**mg/kg**	**4.0**	**1.3**	**EPA-8015B/FFP**	ND	**A57**	1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	106	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 07:35	BUP	GC-19	0.990	B063312

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8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-04 | **Client Sample Name:** Kings Beach WA, TU-04-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-04 | **Client Sample Name:** Kings Beach WA, TU-04-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	**0.0018**	**mg/kg**	**0.0050**	**0.0017**	**EPA-8260B**		**J**	1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-04 | **Client Sample Name:** Kings Beach WA, TU-04-2.5, 11/21/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/26/19 22:25	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-04 | **Client Sample Name:** Kings Beach WA, TU-04-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**4.9**	**mg/kg**	**4.0**	**1.3**	**EPA-8015B/FFP**	ND	**A57**	1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	98.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 11:19	BUP	GC-19	0.990	B063312

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-05 | **Client Sample Name:** Kings Beach WA, TU-05-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-05 | **Client Sample Name:** Kings Beach WA, TU-05-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	**0.0033**	**mg/kg**	**0.0050**	**0.0017**	**EPA-8260B**		**J**	1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-05 | **Client Sample Name:** Kings Beach WA, TU-05-2.5, 11/21/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/27/19 06:21	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-05 | **Client Sample Name:** Kings Beach WA, TU-05-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**3.8**	**mg/kg**	**4.0**	**1.3**	**EPA-8015B/FFP**	ND	**J,A57**	1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	99.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 08:03	BUP	GC-19	0.944	B063312

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-06 | **Client Sample Name:** Kings Beach WA, TU-06-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-06 | **Client Sample Name:** Kings Beach WA, TU-06-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-06 | **Client Sample Name:** Kings Beach WA, TU-06-2.5, 11/21/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/27/19 06:44	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-06 | **Client Sample Name:** Kings Beach WA, TU-06-2.5, 11/21/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	4.0	1.3	EPA-8015B/FFP	ND		1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	115	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 08:31	BUP	GC-19	0.954	B063312

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-07 | **Client Sample Name:** Kings Beach WA, TU-07-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-07 | **Client Sample Name:** Kings Beach WA, TU-07-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-07 | **Client Sample Name:** Kings Beach WA, TU-07-2.5, 11/22/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/27/19 07:08	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-07 | **Client Sample Name:** Kings Beach WA, TU-07-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	100	40	EPA-8015B/FFP	ND	A01	1
TPH - Aviation Gas	ND	mg/kg	100	40	EPA-8015B/FFP	ND	A01	1
TPH - Stoddard Solvent	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Heavy Naptha	ND	mg/kg	20	10	EPA-8015B/FFP	ND	A01	1
TPH - Gasoline	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Jet Fuel (JP4)	ND	mg/kg	20	10	EPA-8015B/FFP	ND	A01	1
TPH - Jet Fuel (JP5)	ND	mg/kg	20	9.2	EPA-8015B/FFP	ND	A01	1
TPH - Jet Fuel (JP6)	ND	mg/kg	20	10	EPA-8015B/FFP	ND	A01	1
TPH - Jet Fuel (JP8)	ND	mg/kg	20	10	EPA-8015B/FFP	ND	A01	1
TPH - Kerosene	ND	mg/kg	20	2.8	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	20	13	EPA-8015B/FFP	ND	A01	1
TPH - Fuel Oil	ND	mg/kg	20	10	EPA-8015B/FFP	ND	A01	1
TPH - Fuel Oil #6	ND	mg/kg	20	10	EPA-8015B/FFP	ND	A01	1
TPH - Crude Oil	ND	mg/kg	40	5.6	EPA-8015B/FFP	ND	A01	1
TPH - Hydraulic Oil / Motor Oil	**82**	**mg/kg**	**40**	**13**	**EPA-8015B/FFP**	ND	**A01,A57**	1
TPH - Waste Oil	ND	mg/kg	40	20	EPA-8015B/FFP	ND	A01	1
TPH - WD-40	ND	mg/kg	20	10	EPA-8015B/FFP	ND	A01	1
TPH - Mineral Oil	ND	mg/kg	100	40	EPA-8015B/FFP	ND	A01	1
TPH - Mineral Spirit	ND	mg/kg	40	20	EPA-8015B/FFP	ND	A01	1
TPH - Lube Oil	ND	mg/kg	40	20	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	57.0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 12:15	BUP	GC-19	10.135	B063312

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-08 | **Client Sample Name:** Kings Beach WA, TU-08-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-08 | **Client Sample Name:** Kings Beach WA, TU-08-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	**0.0031**	**mg/kg**	**0.0050**	**0.0017**	**EPA-8260B**		**J**	1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-08 | **Client Sample Name:** Kings Beach WA, TU-08-2.5, 11/22/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/27/19 07:32	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-08 | **Client Sample Name:** Kings Beach WA, TU-08-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	4.0	1.3	EPA-8015B/FFP	ND		1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	108	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 08:59	BUP	GC-19	0.947	B063312

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-09 | **Client Sample Name:** Kings Beach WA, TU-09-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-09 | **Client Sample Name:** Kings Beach WA, TU-09-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-09 | **Client Sample Name:** Kings Beach WA, TU-09-2.5, 11/22/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/27/19 07:56	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-09 | **Client Sample Name:** Kings Beach WA, TU-09-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**7.9**	**mg/kg**	**4.0**	**1.3**	**EPA-8015B/FFP**	ND	**A57**	2
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	122	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 10:23	BUP	GC-19	0.974	B063312
2	EPA-8015B/FFP	11/26/19 00:15	11/28/19 12:15	BUP	GC-19	0.974	B063312

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-10 | **Client Sample Name:** Kings Beach WA, TU-10-2.0, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-10 | **Client Sample Name:** Kings Beach WA, TU-10-2.0, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	**0.0020**	**mg/kg**	**0.0050**	**0.0017**	**EPA-8260B**		**J**	1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-10 | **Client Sample Name:** Kings Beach WA, TU-10-2.0, 11/22/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/27/19 08:20	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-10 | **Client Sample Name:** Kings Beach WA, TU-10-2.0, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0	1.3	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	mg/kg	4.0	1.3	EPA-8015B/FFP	ND		1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	118	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/28/19 10:51	BUP	GC-19	1	B063312

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-11 | **Client Sample Name:** Kings Beach WA, TU-11-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-11 | **Client Sample Name:** Kings Beach WA, TU-11-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	93.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1939912-11 | **Client Sample Name:** Kings Beach WA, TU-11-2.5, 11/22/2019 12:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/19 08:00	11/27/19 08:44	BYM	MS-V3	1	B063021

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1939912-11 | **Client Sample Name:** Kings Beach WA, TU-11-2.5, 11/22/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	mg/kg	4.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	2.0	0.92	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	mg/kg	2.0	0.28	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	**18**	**mg/kg**	**2.0**	**1.3**	**EPA-8015B/FFP**	ND	**A52**	1
TPH - Fuel Oil	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	4.0	0.56	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	**29**	**mg/kg**	**4.0**	**1.3**	**EPA-8015B/FFP**	ND	**A57**	1
TPH - Waste Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	mg/kg	2.0	1.0	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	10	4.0	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	4.0	2.0	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	85.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/26/19 00:15	11/30/19 19:34	BUP	GC-19	0.997	B063312

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Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B063021						
Benzene	B063021-BLK1	ND	mg/kg	0.0050	0.0018	
Bromobenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
Bromochloromethane	B063021-BLK1	ND	mg/kg	0.0050	0.0014	
Bromodichloromethane	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
Bromoform	B063021-BLK1	ND	mg/kg	0.0050	0.0023	
Bromomethane	B063021-BLK1	ND	mg/kg	0.0050	0.0024	
n-Butylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
sec-Butylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
tert-Butylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0024	
Carbon tetrachloride	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
Chlorobenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
Chloroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
Chloroform	B063021-BLK1	ND	mg/kg	0.0050	0.0017	
Chloromethane	B063021-BLK1	ND	mg/kg	0.0050	0.0017	
2-Chlorotoluene	B063021-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
Dibromochloromethane	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,2-Dibromo-3-chloropropane	B063021-BLK1	ND	mg/kg	0.0050	0.0023	
1,2-Dibromoethane	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
Dibromomethane	B063021-BLK1	ND	mg/kg	0.0050	0.0016	
1,2-Dichlorobenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0023	
1,3-Dichlorobenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,4-Dichlorobenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0023	
Dichlorodifluoromethane	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,1-Dichloroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
1,2-Dichloroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0017	
1,1-Dichloroethene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
cis-1,2-Dichloroethene	B063021-BLK1	ND	mg/kg	0.0050	0.0018	
trans-1,2-Dichloroethene	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
1,2-Dichloropropane	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
1,3-Dichloropropane	B063021-BLK1	ND	mg/kg	0.0050	0.0022	
2,2-Dichloropropane	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,1-Dichloropropene	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
cis-1,3-Dichloropropene	B063021-BLK1	ND	mg/kg	0.0050	0.0017	

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B063021						
trans-1,3-Dichloropropene	B063021-BLK1	ND	mg/kg	0.0050	0.0018	
Ethylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0022	
Hexachlorobutadiene	B063021-BLK1	ND	mg/kg	0.0050	0.0031	
Isopropylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
p-Isopropyltoluene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
Methylene chloride	B063021-BLK1	ND	mg/kg	0.010	0.0015	
Methyl t-butyl ether	B063021-BLK1	ND	mg/kg	0.0050	0.0017	
Naphthalene	B063021-BLK1	ND	mg/kg	0.0050	0.0023	
n-Propylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
Styrene	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1,2-Tetrachloroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,2,2-Tetrachloroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0022	
Tetrachloroethene	B063021-BLK1	ND	mg/kg	0.0050	0.0022	
Toluene	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,2,3-Trichlorobenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0026	
1,2,4-Trichlorobenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0027	
1,1,1-Trichloroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,2-Trichloroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
Trichloroethene	B063021-BLK1	ND	mg/kg	0.0050	0.0022	
Trichlorofluoromethane	B063021-BLK1	ND	mg/kg	0.0050	0.0023	
1,2,3-Trichloropropane	B063021-BLK1	ND	mg/kg	0.0050	0.0023	
1,1,2-Trichloro-1,2,2-trifluoroethane	B063021-BLK1	ND	mg/kg	0.0050	0.0020	
1,2,4-Trimethylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
1,3,5-Trimethylbenzene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
Vinyl chloride	B063021-BLK1	ND	mg/kg	0.0050	0.0019	
Total Xylenes	B063021-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	B063021-BLK1	ND	mg/kg	0.0050	0.0038	
o-Xylene	B063021-BLK1	ND	mg/kg	0.0050	0.0021	
1,2-Dichloroethane-d4 (Surrogate)	**B063021-BLK1**	**97.2**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B063021-BLK1**	**99.6**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B063021-BLK1**	**94.1**	%	**74 - 121 (LCL - UCL)**		

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B063021										
Benzene	B063021-BS1	LCS	0.13631	0.12500	mg/kg	109		70 - 130		
Bromodichloromethane	B063021-BS1	LCS	0.12971	0.12500	mg/kg	104		70 - 130		
Chlorobenzene	B063021-BS1	LCS	0.13361	0.12500	mg/kg	107		70 - 130		
Chloroethane	B063021-BS1	LCS	0.14946	0.12500	mg/kg	120		70 - 130		
1,4-Dichlorobenzene	B063021-BS1	LCS	0.12615	0.12500	mg/kg	101		70 - 130		
1,1-Dichloroethane	B063021-BS1	LCS	0.13300	0.12500	mg/kg	106		70 - 130		
1,1-Dichloroethene	B063021-BS1	LCS	0.12100	0.12500	mg/kg	96.8		70 - 130		
Toluene	B063021-BS1	LCS	0.13077	0.12500	mg/kg	105		70 - 130		
Trichloroethene	B063021-BS1	LCS	0.12572	0.12500	mg/kg	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B063021-BS1	LCS	0.047440	0.050000	mg/kg	94.9		70 - 121		
Toluene-d8 (Surrogate)	B063021-BS1	LCS	0.050380	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	B063021-BS1	LCS	0.051360	0.050000	mg/kg	103		74 - 121		

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B063021	Used client sample: N										
Benzene	MS	1936933-50	ND	0.12854	0.12500	mg/kg		103		70 - 130	
	MSD	1936933-50	ND	0.14509	0.12500	mg/kg	12.1	116	20	70 - 130	
Bromodichloromethane	MS	1936933-50	ND	0.12280	0.12500	mg/kg		98.2		70 - 130	
	MSD	1936933-50	ND	0.13985	0.12500	mg/kg	13.0	112	20	70 - 130	
Chlorobenzene	MS	1936933-50	ND	0.12421	0.12500	mg/kg		99.4		70 - 130	
	MSD	1936933-50	ND	0.14482	0.12500	mg/kg	15.3	116	20	70 - 130	
Chloroethane	MS	1936933-50	ND	0.14230	0.12500	mg/kg		114		70 - 130	
	MSD	1936933-50	ND	0.15908	0.12500	mg/kg	11.1	127	20	70 - 130	
1,4-Dichlorobenzene	MS	1936933-50	ND	0.11741	0.12500	mg/kg		93.9		70 - 130	
	MSD	1936933-50	ND	0.13347	0.12500	mg/kg	12.8	107	20	70 - 130	
1,1-Dichloroethane	MS	1936933-50	ND	0.12664	0.12500	mg/kg		101		70 - 130	
	MSD	1936933-50	ND	0.14144	0.12500	mg/kg	11.0	113	20	70 - 130	
1,1-Dichloroethene	MS	1936933-50	ND	0.11941	0.12500	mg/kg		95.5		70 - 130	
	MSD	1936933-50	ND	0.13892	0.12500	mg/kg	15.1	111	20	70 - 130	
Toluene	MS	1936933-50	ND	0.12303	0.12500	mg/kg		98.4		70 - 130	
	MSD	1936933-50	ND	0.14619	0.12500	mg/kg	17.2	117	20	70 - 130	
Trichloroethene	MS	1936933-50	ND	0.11918	0.12500	mg/kg		95.3		70 - 130	
	MSD	1936933-50	ND	0.14151	0.12500	mg/kg	17.1	113	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1936933-50	ND	0.047100	0.050000	mg/kg		94.2		70 - 121	
	MSD	1936933-50	ND	0.048050	0.050000	mg/kg	2.0	96.1		70 - 121	
Toluene-d8 (Surrogate)	MS	1936933-50	ND	0.051010	0.050000	mg/kg		102		81 - 117	
	MSD	1936933-50	ND	0.049720	0.050000	mg/kg	2.6	99.4		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1936933-50	ND	0.049290	0.050000	mg/kg		98.6		74 - 121	
	MSD	1936933-50	ND	0.050110	0.050000	mg/kg	1.6	100		74 - 121	

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B063312						
TPH - Light Naptha	B063312-BLK1	ND	mg/kg	10	4.0	
TPH - Aviation Gas	B063312-BLK1	ND	mg/kg	10	4.0	
TPH - Stoddard Solvent	B063312-BLK1	ND	mg/kg	4.0	1.0	
TPH - Heavy Naptha	B063312-BLK1	ND	mg/kg	2.0	1.0	
TPH - Gasoline	B063312-BLK1	ND	mg/kg	4.0	1.0	
TPH - Jet Fuel (JP4)	B063312-BLK1	ND	mg/kg	2.0	1.0	
TPH - Jet Fuel (JP5)	B063312-BLK1	ND	mg/kg	2.0	0.92	
TPH - Jet Fuel (JP6)	B063312-BLK1	ND	mg/kg	2.0	1.0	
TPH - Jet Fuel (JP8)	B063312-BLK1	ND	mg/kg	2.0	1.0	
TPH - Kerosene	B063312-BLK1	ND	mg/kg	2.0	0.28	
TPH - Diesel (FFP)	B063312-BLK1	ND	mg/kg	2.0	1.3	
TPH - Fuel Oil	B063312-BLK1	ND	mg/kg	2.0	1.0	
TPH - Fuel Oil #6	B063312-BLK1	ND	mg/kg	2.0	1.0	
TPH - Crude Oil	B063312-BLK1	ND	mg/kg	4.0	0.56	
TPH - Hydraulic Oil / Motor Oil	B063312-BLK1	ND	mg/kg	4.0	1.3	
TPH - Waste Oil	B063312-BLK1	ND	mg/kg	4.0	2.0	
TPH - WD-40	B063312-BLK1	ND	mg/kg	2.0	1.0	
TPH - Mineral Oil	B063312-BLK1	ND	mg/kg	10	4.0	
TPH - Mineral Spirit	B063312-BLK1	ND	mg/kg	4.0	2.0	
TPH - Lube Oil	B063312-BLK1	ND	mg/kg	4.0	2.0	
Tetracosane (Surrogate)	**B063312-BLK1**	**126**	%	**20 - 145 (LCL - UCL)**		

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B063312										
TPH - Diesel (FFP)	B063312-BS1	LCS	14.863	16.949	mg/kg	87.7		64 - 124		
Tetracosane (Surrogate)	B063312-BS1	LCS	0.77661	0.67797	mg/kg	115		20 - 145		

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B063312	Used client sample: Y - Description: TU-01-2.5, 11/21/2019 00:00										
TPH - Diesel (FFP)	MS	1939912-01	ND	15.566	16.722	mg/kg		93.1		52 - 131	
	MSD	1939912-01	ND	14.916	16.393	mg/kg	4.3	91.0	30	52 - 131	
Tetracosane (Surrogate)	MS	1939912-01	ND	0.93129	0.66890	mg/kg		139		20 - 145	
	MSD	1939912-01	ND	0.82771	0.65574	mg/kg	11.8	126		20 - 145	

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Sacramento, CA 95826

Reported: 12/04/2019 8:24
Project: Kings Beach WA
Project Number: 1011.02.25
Project Manager: Kiri Ando

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.
A52	Chromatogram not typical of diesel.
A57	Chromatogram not typical of motor oil.

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Date of Report: 01/15/2020

Kiri Ando

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Client Project:	[none]
BCL Project:	Kings Beach WA
BCL Work Order:	1940348
Invoice ID:	B364244, B367934, B368556

Enclosed are the results of analyses for samples received by the laboratory on 12/2/2019. If you have any questions concerning this report, please feel free to contact me.

Revised Report: This report supercedes Report ID 1000984661

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Stuart Buttram
Technical Director

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1940348-01 - KB-1-S
Total Concentrations (TTLC) 14
1940348-02 - KB-1-1.5
Total Concentrations (TTLC) 15
1940348-03 - KB-2-S
Total Concentrations (TTLC) 16
1940348-04 - KB-2-1.5
Total Concentrations (TTLC) 17
1940348-05 - KB-3-S
Total Concentrations (TTLC) 18
1940348-06 - KB-3-1.5
Total Concentrations (TTLC) 19
1940348-07 - KB-4-S
Total Concentrations (TTLC) 20
1940348-08 - KB-4-1.5
Total Concentrations (TTLC) 21
1940348-09 - KB-5-S
Total Concentrations (TTLC) 22
1940348-10 - KB-5-1.5
Total Concentrations (TTLC) 23
1940348-11 - KB-6-S
Total Concentrations (TTLC) 24
1940348-12 - KB-6-1.5
Modified WET Test (STLC) 25
WET Test (STLC) 26
Total Concentrations (TTLC) 27
1940348-13 - KB-7-S
Total Concentrations (TTLC) 28
1940348-14 - KB-8-S
Total Concentrations (TTLC) 29
1940348-15 - KB-8-1.5
Modified WET Test (STLC) 30
WET Test (STLC) 31
Total Concentrations (TTLC) 32
1940348-16 - KB-9-S
Total Concentrations (TTLC) 33
1940348-17 - KB-9-1.5
Total Concentrations (TTLC) 34
1940348-18 - KB-10-S
Total Concentrations (TTLC) 35
1940348-19 - KB-10-1.5
Total Concentrations (TTLC) 36
1940348-20 - KB-11-S
WET Test (STLC) 37
Total Concentrations (TTLC) 38
1940348-21 - KB-11-1.5
Total Concentrations (TTLC) 39
1940348-22 - KB-12-S
Total Concentrations (TTLC) 40
1940348-23 - KB-12-1.5

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NCE

19-40348

NCE Chain of Custody/Laboratory Analysis Request Form

Page 1 of 3

Bill to: Attn: K Ando
Nichols Consulting Engineers
8795 Folsom Blvd, #250
Sacramento CA, 95826

Lab Name: BC Labs
Address:
Phone:

NCE Project Number: 1011.025

NCE Project/Site: Kings Beach
Contractor/Project Manager: D Kos
Firm: NCE
Address:
Phone & Fax:
Sampler's Signature:

Requested Analysis

	SAMPLE ID	DATE	TIME	LAB ID	MATRIX	No. of Containers & Preservative: Unpreserved	H_2SO_4	HNO_3	HCL	EPA8260B (VOC)	EPA8260B (Oxy)	Pb only	REMARKS
-1	KB-1-S	11/26/19	on Ice		Soil						✓		RUSH!
-2	KB-1-1.5										✓		
-3	KB-2-S										✓		
-4	KB-2-1.5										✓		
-5	KB-3-S										✓		
-6	KB-3-1.5										✓		
-7	KB-4-S										✓		
-8	KB-4-1.5										✓		
-9	KB-5-S										✓		
-10	KB-5-1.5	"	"		"						✓		

CHK BY: MA

Relinquish by/date/time: 1830 11/26/19 hrs
Received by/date: 11/27/19 1703 hrs
Relinquish by/date: 11/27/19 1770 hrs
Received by/date: 11-27-19 910 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs

EDF Report? ✓ Yes ___ No
EDF Deliverable to (Email Address)
Kando@ncenet.com

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report
Requested Report Date:
TURNAROUND TIME: ___24 hr. ___48 hr. ___5 day Standard ___Provide Verbal Prelim Results ___Fax Prelim Results

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Chain of Custody and Cooler Receipt Form for 1940348 Page 2 of 6

NCE

19-40348

NCE Chain of Custody/Laboratory Analysis Request Form

Page 2 of 3

Bill to: Attn: Kando
Nichols Consulting Engineers
8795 Folsom Blvd, #250
Sacramento CA, 95826

Lab Name: BC Labs
Address:
Phone:

NCE Project Number: 1011.02.25

NCE Project/Site: Kings Beach
Contractor/Project Manager: D Rios
Firm: NCE
Address:
Phone & Fax
Sampler's Signature:

Requested Analysis

No. of Containers & Preservative: Unpreserved, H_2SO_4, HNO_3, HCL

REMARKS:

	SAMPLE ID	DATE	TIME	LAB ID	MATRIX	Unpreserved	H_2SO_4	HNO_3	HCL	EPA8260B	6010B Pb only
-11	KB-6-S	10/26/19	on Jar		Soil						✓
-12	KB-6-1.5										✓
-13	KB-7-S										✓
-14	KB-8-S										✓
-15	KB-8-1.5										✓
-16	KB-9-S										✓
-17	KB-9-1.5										✓
-18	KB-10-S										✓
-19	KB-10-1.5										✓
-20	KB-11-S										✓

Relinquish by/date/time: 10/26/19 1430 hrs
Received by/date: 11/27/19 1703 hrs
Relinquish by/date: 11/29/19 1720 hrs
Received by/date: 12-2-19 910 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs

EDF Report? ✓ Yes ___ No
EDF Deliverable to (Email Address)
Kando@ucenet.com

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report

Requested Report Date:

TURNAROUND TIME: ___24 hr. ___48 hr. ✓ 5 day Standard ___Provide Verbal Prelim Results ___Fax Prelim Results

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Chain of Custody and Cooler Receipt Form for 1940348 Page 3 of 6

NCE 19-40348

NCE Chain of Custody/Laboratory Analysis Request Form

Page 3 of 3

Bill to: Attn: Kando
Nichols Consulting Engineers
8795 Folsom Blvd, #250
Sacramento CA, 95826

Lab Name: BC Labs
Address:
Phone:

NCE Project Number: 101192.25

NCE Project/Site: Kings Beach
Contractor/Project Manager: D. Ros
Firm: NCE
Address:
Phone & Fax
Sampler's Signature:

Requested Analysis

	SAMPLE ID	DATE	TIME	LAB ID	MATRIX	No. of Containers & Preservative: Unpreserved	H_2SO_4	HNO_3	HCL			EPA8260B	6020 Pb only						REMARKS:
21	KB-11-1.5	11/26/19	on Ir		Sil								✓						
-22	KB-12-S												✓						
-23	KB-12-1.5												✓						
-24	KB-13-S												✓						
-25	KB-13-1.5												✓						
-26	KB-14-S												✓						
-27	KB-14-1.5												✓						

Relinquish by/date/time: 11/26/19 1520 hrs
Received by/date: 11/27/19 1203 hrs
Relinquish by/date: 11/29/19 1720 hrs
Received by/date: 12-2-19 910 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs

EDF Report? ✓ Yes ___ No
EDF Deliverable to (Email Address)
Kando@ncenet.com

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report

Requested Report Date:

TURNAROUND TIME: ___24 hr. ___48 hr. ✓ 5 day Standard ___Provide Verbal Prelim Results ___Fax Prelim Results

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Chain of Custody and Cooler Receipt Form for 1940348 Page 4 of 6

BC LABORATORIES INC. **COOLER RECEIPT FORM** Page 1 Of 3

Submission #: 19-40348

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☐ Other ☒ (Specify) GSO	Other ☐ (Specify)	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☐ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .96 Container: glass Thermometer ID: 274 Date/Time 12-2-19 910

Temperature: (A) 5.7 °C / (C) 5.8 °C Analyst Init TK

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER Jar	A	A	A	A	A					
8oz / 16oz / 32oz JAR 40Z						A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: No time on sample nor C-OC

Sample Numbering Completed By: Date/Time: 12/02/19 10:57

A = Actual / C = Corrected

Rev 21—05/23/2016

(S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 30)

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Chain of Custody and Cooler Receipt Form for 1940348 Page 5 of 6

BC LABORATORIES INC. — COOLER RECEIPT FORM — Page 2 Of 3

Submission #: 19-110348

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☐ Other ☒ (Specify) GSO	Other ☐ (Specify)	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☒ Comments:

All samples received? Yes ☐ No ☐ All samples containers intact? Yes ☐ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .98 Container: glass Thermometer ID: 174 Date/Time 12-2-19 910

Temperature: (A) 5.7 °C / (C) 5.8 °C Analyst Init JKJ

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR 4oz	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT						12/2/19 JKJ				
SUMMA CANISTER										

Comments: JKJ

Sample Numbering Completed By: _____ Date/Time: 12/2/19 10:52

A = Actual / C = Corrected

Rev-21—05/23/2016

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Chain of Custody and Cooler Receipt Form for 1940348 Page 6 of 6

BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 Of 3

Submission #: 19-40348

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GSO	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☒ Comments:

All samples received? Yes ☐ No ☐ All samples containers intact? Yes ☐ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .98 Container: glass Thermometer ID: 174 Date/Time 12-2-19 910

Temperature: (A) 5.7 °C / (C) 5.8 °C Analyst Init TKJ

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR 40z	A	A	A	A	A	A	A			
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JKW Date/Time: 12/02/19 10:52

A = Actual / C = Corrected

Rev-21—05/23/2016

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1940348-01	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-1-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-02	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-1-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-03	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-2-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-04	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-2-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-05	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-3-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-06	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-3-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-07	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-4-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1940348-08	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-4-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-09	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-5-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-10	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-5-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-11	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-6-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-12	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-6-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-13	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-7-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-14	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-8-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1940348-15	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-8-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-16	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-9-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-17	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-9-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-18	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-10-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-19	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-10-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-20	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-11-S	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil
1940348-21	COC Number:	---	Receive Date:	12/02/2019 09:10
	Project Number:	Kings Beach	Sampling Date:	11/26/2019 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	KB-11-1.5	Lab Matrix:	Solids
	Sampled By:	NCES	Sample Type:	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1940348-22	**COC Number:**	---	**Receive Date:**	12/02/2019 09:10
	Project Number:	Kings Beach	**Sampling Date:**	11/26/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-12-S	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1940348-23	**COC Number:**	---	**Receive Date:**	12/02/2019 09:10
	Project Number:	Kings Beach	**Sampling Date:**	11/26/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-12-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1940348-24	**COC Number:**	---	**Receive Date:**	12/02/2019 09:10
	Project Number:	Kings Beach	**Sampling Date:**	11/26/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-13-S	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1940348-25	**COC Number:**	---	**Receive Date:**	12/02/2019 09:10
	Project Number:	Kings Beach	**Sampling Date:**	11/26/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-13-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1940348-26	**COC Number:**	---	**Receive Date:**	12/02/2019 09:10
	Project Number:	Kings Beach	**Sampling Date:**	11/26/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-14-S	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1940348-27	**COC Number:**	---	**Receive Date:**	12/02/2019 09:10
	Project Number:	Kings Beach	**Sampling Date:**	11/26/2019 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-14-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-01 | **Client Sample Name:** Kings Beach, KB-1-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**13**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 15:51	AS1	PE-EL2	1	B063654

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-02 | **Client Sample Name:** Kings Beach, KB-1-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**20**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 15:52	AS1	PE-EL2	0.935	B063654

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-03 | **Client Sample Name:** Kings Beach, KB-2-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**7.2**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 15:54	AS1	PE-EL2	1	B063654

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID:	1940348-04	Client Sample Name:	Kings Beach, KB-2-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**6.9**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 15:56	AS1	PE-EL2	0.926	B063654

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-05 | **Client Sample Name:** Kings Beach, KB-3-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**29**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 15:58	AS1	PE-EL2	1	B063654

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-06 | **Client Sample Name:** Kings Beach, KB-3-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**14**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 15:59	AS1	PE-EL2	0.935	B063654

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-07 | **Client Sample Name:** Kings Beach, KB-4-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**8.4**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 16:01	AS1	PE-EL2	1	B063654

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-08 | **Client Sample Name:** Kings Beach, KB-4-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**10**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:00	AS1	PE-EL2	0.909	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-09 | **Client Sample Name:** Kings Beach, KB-5-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**7.5**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 16:27	AS1	PE-EL2	1	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-10 | **Client Sample Name:** Kings Beach, KB-5-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**8.3**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:01	AS1	PE-EL2	0.971	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-11 | **Client Sample Name:** Kings Beach, KB-6-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**7.6**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:03	AS1	PE-EL2	0.935	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Modified WET Test (STLC)

BCL Sample ID: 1940348-12 | **Client Sample Name:** Kings Beach, KB-6-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	**0.050**	**mg/L**	**0.050**	**0.0035**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/12/20 15:45	01/13/20 15:26	JCC	PE-OP4	1	B066580

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

WET Test (STLC)

BCL Sample ID: 1940348-12 | **Client Sample Name:** Kings Beach, KB-6-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Lead	**11**	**mg/L**	**0.50**	**0.16**	**EPA-6010B**	5.0		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/08/20 09:30	01/08/20 14:26	JCC	PE-OP4	1	B066291

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-12 | **Client Sample Name:** Kings Beach, KB-6-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**200**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:05	AS1	PE-EL2	1	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-13 | **Client Sample Name:** Kings Beach, KB-7-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**8.2**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:07	AS1	PE-EL2	0.952	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-14 | **Client Sample Name:** Kings Beach, KB-8-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**32**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:08	AS1	PE-EL2	0.962	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Modified WET Test (STLC)

BCL Sample ID: 1940348-15 | **Client Sample Name:** Kings Beach, KB-8-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	**0.049**	**mg/L**	**0.050**	**0.0035**	**EPA-6010B**	ND	**J**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/12/20 15:45	01/13/20 15:28	JCC	PE-OP4	1	B066580

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

WET Test (STLC)

BCL Sample ID: 1940348-15 | **Client Sample Name:** Kings Beach, KB-8-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Lead	**5.3**	**mg/L**	**0.50**	**0.16**	**EPA-6010B**	5.0		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/08/20 09:30	01/08/20 14:27	JCC	PE-OP4	1	B066291

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-15 | **Client Sample Name:** Kings Beach, KB-8-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**120**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:17	AS1	PE-EL2	0.935	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-16 | **Client Sample Name:** Kings Beach, KB-9-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**22**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:18	AS1	PE-EL2	0.990	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID:	1940348-17	Client Sample Name:	Kings Beach, KB-9-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**22**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:20	AS1	PE-EL2	0.962	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-18 | **Client Sample Name:** Kings Beach, KB-10-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**30**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:22	AS1	PE-EL2	0.917	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-19 | **Client Sample Name:** Kings Beach, KB-10-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**73**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:24	AS1	PE-EL2	0.935	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

WET Test (STLC)

BCL Sample ID: 1940348-20 | **Client Sample Name:** Kings Beach, KB-11-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Lead	**1.7**	**mg/L**	**0.50**	**0.16**	**EPA-6010B**	5.0		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/08/20 09:30	01/08/20 14:29	JCC	PE-OP4	1	B066291

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-20 | **Client Sample Name:** Kings Beach, KB-11-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**55**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:25	AS1	PE-EL2	0.926	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-21 | **Client Sample Name:** Kings Beach, KB-11-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**130**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:32	AS1	PE-EL2	0.990	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-22 | **Client Sample Name:** Kings Beach, KB-12-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**5.2**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:33	AS1	PE-EL2	1	B063655

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-23 | **Client Sample Name:** Kings Beach, KB-12-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**13**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:35	AS1	PE-EL2	0.962	B063655

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-24 | **Client Sample Name:** Kings Beach, KB-13-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**11**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:37	AS1	PE-EL2	0.990	B063655

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-25 | **Client Sample Name:** Kings Beach, KB-13-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**13**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:38	AS1	PE-EL2	0.943	B063655

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-26 | **Client Sample Name:** Kings Beach, KB-14-S, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**19**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:40	AS1	PE-EL2	1	B063655

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 1940348-27 | **Client Sample Name:** Kings Beach, KB-14-1.5, 11/26/2019 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**11**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	12/04/19 08:30	12/04/19 17:42	AS1	PE-EL2	1	B063655

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Modified WET Test (STLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B066580						
Lead	B066580-BLK1	ND	mg/L	0.050	0.0035	

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Modified WET Test (STLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B066580										
Lead	B066580-BS1	LCS	1.9888	2.0000	mg/L	99.4		85 - 115		

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Modified WET Test (STLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B066580	Used client sample: N										
Lead	DUP	1941859-22	0.0065220	0.0057862		mg/L	12.0		20		J
	MS	1941859-22	0.0065220	2.0138	2.0408	mg/L		98.4		75 - 125	
	MSD	1941859-22	0.0065220	2.0086	2.0408	mg/L	0.3	98.1	20	75 - 125	

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

WET Test (STLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B066291						
Lead	B066291-BLK1	ND	mg/L	0.50	0.16	

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Nichols Consulting Engineers
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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

WET Test (STLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B066291										
Lead	B066291-BS1	LCS	19.834	20.000	mg/L	99.2		85 - 115		

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

WET Test (STLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B066291	Used client sample: N										
Lead	DUP	2000234-01	0.62749	0.59155		mg/L	5.9		20		
	MS	2000234-01	0.62749	20.086	20.408	mg/L		95.3		75 - 125	
	MSD	2000234-01	0.62749	20.501	20.408	mg/L	2.0	97.4	20	75 - 125	

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Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B063654						
Lead	B063654-BLK1	ND	mg/kg	0.25	0.12	
QC Batch ID: B063655						
Lead	B063655-BLK1	ND	mg/kg	0.25	0.12	

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B063654										
Lead	B063654-BS1	LCS	27.855	25.000	mg/kg	111		75 - 125		
QC Batch ID: B063655										
Lead	B063655-BS1	LCS	28.517	25.000	mg/kg	114		75 - 125		

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Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B063654	Used client sample: N										
Lead	DUP	**1939039-02**	**18.908**	**27.852**		**mg/kg**	**38.3**		**20**		**A02**
	MS	**1939039-02**	**18.908**	**45.304**	**25.000**	**mg/kg**		**106**		**75 - 125**	
	MSD	**1939039-02**	**18.908**	**39.204**	**25.000**	**mg/kg**	**14.4**	**81.2**	**20**	**75 - 125**	
QC Batch ID: B063655	Used client sample: Y - Description: KB-5-S, 11/26/2019 00:00										
Lead	DUP	1940348-09	7.5345	7.8858		mg/kg	4.6		20		
	MS	1940348-09	7.5345	34.692	25.000	mg/kg		109		75 - 125	
	MSD	1940348-09	7.5345	36.256	25.000	mg/kg	4.4	115	20	75 - 125	

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 01/15/2020 11:19
Project: Kings Beach WA
Project Number: [none]
Project Manager: Kiri Ando

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A02	The difference between duplicate readings is less than the quantitation limit.

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Date of Report: 12/27/2019

Kiri Ando

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Client Project:	1101.02.25
BCL Project:	Kings Beach WA
BCL Work Order:	1942602
Invoice ID:	B366913

Enclosed are the results of analyses for samples received by the laboratory on 12/17/2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Stuart Buttram
Technical Director

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Chain of Custody and Cooler Receipt Form for 1942602 Page 1 of 2

NCE Chain of Custody/Laboratory Analysis Request Form

Page ___ of ___

NCE RUSH!

Bill to: Attn: Kiri Ardo
Nichols Consulting Engineers
8795 Folsom Blvd, #250
Sacramento CA, 95826

Lab Name: BC Labs
Address: 9-11-2402
Phone:

NCE Project Number: 1101.02.25

NCE Project/Site: Kings Beach - Western Approach
Contractor/Project Manager: Dave Ross
Firm: NCE
Address:
Phone & Fax:
Sampler's Signature:

SAMPLE ID	DATE	TIME	LAB ID	MATRIX	No. of Containers & Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	2 1L Ambs 3 vials 55 6x8c	EPA8260B	Fuel Hydrocarbons by 8015M w/Sgc	BTEX, MTBE + Chlorinated Solvents by 8260B
KBW-1	9/16/19	0920	-1	H_2O	1				1		✓	✓
KBW-2			-2	H_2O	2				1		✓	✓
KBW-2-3.5			-3	Soil					1			
KBW-3			-4	H_2O	1				1		✓	✓
KBW-3-2.5			-5	Soil					1			

REMARKS:
5 Day TAT Surcharge Note Applicable

Max Dup

Relinquish by/date/time: 9/16/19 1515 hrs
Received by/date: 9/16/19 1515 hrs
Relinquish by/date: 9/16/19 1530 hrs
Received by/date: 9/17/19 900 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs

EDF Report? ___Yes X No
EDF Deliverable to (Email Address)

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report
Requested Report Date:
TURNAROUND TIME: ___24 hr. ___48 hr. X 5 day Standard ___Provide Verbal Prelim Results ___Fax Prelim Results

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Chain of Custody and Cooler Receipt Form for 1942602 Page 2 of 2

BC LABORATORIES INC. — COOLER RECEIPT FORM — Page 1 of 1

Submission #: 19-42602

SHIPPING INFORMATION: Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) CSD

SHIPPING CONTAINER: Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)

FREE LIQUID: YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .98 Container: VOA Thermometer ID: 214

Temperature: (A) 3.5 °C / (C) 3.5 °C

Date/Time 12-17-19 900

Analyst Init TKJ

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	5	4	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL 0946	A-C		A-C		A-C					
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M 0820 0820	D	D	D		D					
QT EPA 8270										
8oz / 16oz / 32oz AMBER	6									
8oz / 16oz / 32oz JAR										
SOIL SLEEVE Brass		A			A					
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: Sample times: -1: 915 -2: 1025 -3: 1010 -4: 1145 -5: 1105 12-17-19 1230

Sample Numbering Completed By: _____ Date/Time: 12/17/19 1230

A = Actual / C = Corrected

Rev-21—05/23/2016

G:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC.rev 20

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1942602-01	**COC Number:**	---	**Receive Date:**	12/17/2019 09:00
	Project Number:	Kings Beach	**Sampling Date:**	12/16/2019 09:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KBW-1	**Lab Matrix:**	Water
	Sampled By:	NCES	**Sample Type:**	Water
1942602-02	**COC Number:**	---	**Receive Date:**	12/17/2019 09:00
	Project Number:	Kings Beach	**Sampling Date:**	12/16/2019 10:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KBW-2	**Lab Matrix:**	Water
	Sampled By:	NCES	**Sample Type:**	Water
1942602-03	**COC Number:**	---	**Receive Date:**	12/17/2019 09:00
	Project Number:	Kings Beach	**Sampling Date:**	12/16/2019 10:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KBW-2-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
1942602-04	**COC Number:**	---	**Receive Date:**	12/17/2019 09:00
	Project Number:	Kings Beach	**Sampling Date:**	12/16/2019 11:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KBW-3	**Lab Matrix:**	Water
	Sampled By:	NCES	**Sample Type:**	Water
1942602-05	**COC Number:**	---	**Receive Date:**	12/17/2019 09:00
	Project Number:	Kings Beach	**Sampling Date:**	12/16/2019 11:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KBW-3-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-01 | **Client Sample Name:** Kings Beach, KBW-1, 12/16/2019 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-01 | **Client Sample Name:** Kings Beach, KBW-1, 12/16/2019 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND	V01	1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	116	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-01 | **Client Sample Name:** Kings Beach, KBW-1, 12/16/2019 9:15:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/19/19 10:40	12/20/19 01:47	TDH	MS-V13	1	B064986

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1942602-01 | **Client Sample Name:** Kings Beach, KBW-1, 12/16/2019 9:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	ug/L	40	26	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	ug/L	40	11	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	ug/L	40	11	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	ug/L	10	5.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	ug/L	100	28	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	ug/L	100	26	EPA-8015B/FFP	ND		1
TPH - Waste Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	66.7	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	12/20/19 20:50	12/23/19 20:51	ZZZ	GC-13	1.020	B065590

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-02 | **Client Sample Name:** Kings Beach, KBW-2, 12/16/2019 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-02 | **Client Sample Name:** Kings Beach, KBW-2, 12/16/2019 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND	V01	1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	105	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	107	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-02 | **Client Sample Name:** Kings Beach, KBW-2, 12/16/2019 10:25:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/19/19 10:42	12/20/19 02:13	TDH	MS-V13	1	B064987

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1942602-02 | **Client Sample Name:** Kings Beach, KBW-2, 12/16/2019 10:25:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	ug/L	40	26	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	ug/L	40	11	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	ug/L	40	11	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	ug/L	10	5.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	ug/L	100	28	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	ug/L	100	26	EPA-8015B/FFP	ND		1
TPH - Waste Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	66.6	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	12/20/19 20:50	12/23/19 21:14	ZZZ	GC-13	1.010	B065590

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-04 | **Client Sample Name:** Kings Beach, KBW-3, 12/16/2019 11:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-04 | **Client Sample Name:** Kings Beach, KBW-3, 12/16/2019 11:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND	V01	1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1942602-04 | **Client Sample Name:** Kings Beach, KBW-3, 12/16/2019 11:45:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/19/19 10:42	12/20/19 02:40	TDH	MS-V13	1	B064987

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1942602-04 | **Client Sample Name:** Kings Beach, KBW-3, 12/16/2019 11:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	ug/L	40	26	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	ug/L	40	11	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	ug/L	40	11	EPA-8015B/FFP	ND		1
TPH - Fuel Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - Fuel Oil #6	ND	ug/L	10	5.0	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	ug/L	100	28	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	ug/L	100	26	EPA-8015B/FFP	ND		1
TPH - Waste Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Mineral Oil	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
TPH - Mineral Spirit	ND	ug/L	40	20	EPA-8015B/FFP	ND		1
TPH - Lube Oil	ND	ug/L	100	40	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	55.6	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	12/20/19 20:50	12/23/19 21:37	ZZZ	GC-13	0.960	B065590

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B064986						
Benzene	B064986-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	B064986-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	B064986-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	B064986-BLK1	ND	ug/L	0.50	0.14	
Bromoform	B064986-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	B064986-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	B064986-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	B064986-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	B064986-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	B064986-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	B064986-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	B064986-BLK1	ND	ug/L	0.50	0.14	
Chloroform	B064986-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	B064986-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	B064986-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	B064986-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	B064986-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	B064986-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	B064986-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	B064986-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	B064986-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	B064986-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	B064986-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	B064986-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	B064986-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	B064986-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	B064986-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	B064986-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	B064986-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	B064986-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	B064986-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	B064986-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	B064986-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	B064986-BLK1	ND	ug/L	0.50	0.14	

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B064986						
trans-1,3-Dichloropropene	B064986-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	B064986-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	B064986-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	B064986-BLK1	ND	ug/L	0.50	0.14	
p-Isopropyltoluene	B064986-BLK1	ND	ug/L	0.50	0.12	
Methylene chloride	B064986-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	B064986-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	B064986-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	B064986-BLK1	ND	ug/L	0.50	0.11	
Styrene	B064986-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	B064986-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	B064986-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	B064986-BLK1	ND	ug/L	0.50	0.13	
Toluene	B064986-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	B064986-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	B064986-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	B064986-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	B064986-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	B064986-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	B064986-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	B064986-BLK1	ND	ug/L	1.0	0.24	
1,1,2-Trichloro-1,2,2-trifluoroethane	B064986-BLK1	ND	ug/L	0.50	0.15	
1,2,4-Trimethylbenzene	B064986-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	B064986-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	B064986-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	B064986-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	B064986-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	B064986-BLK1	ND	ug/L	0.50	0.082	
1,2-Dichloroethane-d4 (Surrogate)	**B064986-BLK1**	**98.3**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B064986-BLK1**	**104**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B064986-BLK1**	**95.3**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: B064987						
Benzene	B064987-BLK1	ND	ug/L	0.50	0.083	

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B064987						
Bromobenzene	B064987-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	B064987-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	B064987-BLK1	ND	ug/L	0.50	0.14	
Bromoform	B064987-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	B064987-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	B064987-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	B064987-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	B064987-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	B064987-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	B064987-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	B064987-BLK1	ND	ug/L	0.50	0.14	
Chloroform	B064987-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	B064987-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	B064987-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	B064987-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	B064987-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	B064987-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	B064987-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	B064987-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	B064987-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	B064987-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	B064987-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	B064987-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	B064987-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	B064987-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	B064987-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	B064987-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	B064987-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	B064987-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	B064987-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	B064987-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	B064987-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	B064987-BLK1	ND	ug/L	0.50	0.14	
trans-1,3-Dichloropropene	B064987-BLK1	ND	ug/L	0.50	0.079	

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B064987						
Ethylbenzene	B064987-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	B064987-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	B064987-BLK1	ND	ug/L	0.50	0.14	
p-Isopropyltoluene	B064987-BLK1	ND	ug/L	0.50	0.12	
Methylene chloride	B064987-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	B064987-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	B064987-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	B064987-BLK1	ND	ug/L	0.50	0.11	
Styrene	B064987-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	B064987-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	B064987-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	B064987-BLK1	ND	ug/L	0.50	0.13	
Toluene	B064987-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	B064987-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	B064987-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	B064987-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	B064987-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	B064987-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	B064987-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	B064987-BLK1	ND	ug/L	1.0	0.24	
1,1,2-Trichloro-1,2,2-trifluoroethane	B064987-BLK1	ND	ug/L	0.50	0.15	
1,2,4-Trimethylbenzene	B064987-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	B064987-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	B064987-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	B064987-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	B064987-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	B064987-BLK1	ND	ug/L	0.50	0.082	
1,2-Dichloroethane-d4 (Surrogate)	**B064987-BLK1**	**101**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B064987-BLK1**	**100**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B064987-BLK1**	**106**	%	**80 - 120 (LCL - UCL)**		

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Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B064986										
Benzene	B064986-BS1	LCS	26.170	25.000	ug/L	105		70 - 130		
Bromodichloromethane	B064986-BS1	LCS	23.990	25.000	ug/L	96.0		70 - 130		
Chlorobenzene	B064986-BS1	LCS	23.030	25.000	ug/L	92.1		70 - 130		
Chloroethane	B064986-BS1	LCS	24.830	25.000	ug/L	99.3		70 - 130		
1,4-Dichlorobenzene	B064986-BS1	LCS	19.950	25.000	ug/L	79.8		70 - 130		
1,1-Dichloroethane	B064986-BS1	LCS	23.490	25.000	ug/L	94.0		70 - 130		
1,1-Dichloroethene	B064986-BS1	LCS	29.450	25.000	ug/L	118		70 - 130		
Toluene	B064986-BS1	LCS	24.380	25.000	ug/L	97.5		70 - 130		
Trichloroethene	B064986-BS1	LCS	23.330	25.000	ug/L	93.3		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B064986-BS1	LCS	10.340	10.000	ug/L	103		75 - 125		
Toluene-d8 (Surrogate)	B064986-BS1	LCS	10.080	10.000	ug/L	101		80 - 120		
4-Bromofluorobenzene (Surrogate)	B064986-BS1	LCS	9.5800	10.000	ug/L	95.8		80 - 120		
QC Batch ID: B064987										
Benzene	B064987-BS1	LCS	26.260	25.000	ug/L	105		70 - 130		
Bromodichloromethane	B064987-BS1	LCS	23.470	25.000	ug/L	93.9		70 - 130		
Chlorobenzene	B064987-BS1	LCS	24.520	25.000	ug/L	98.1		70 - 130		
Chloroethane	B064987-BS1	LCS	27.470	25.000	ug/L	110		70 - 130		
1,4-Dichlorobenzene	B064987-BS1	LCS	19.730	25.000	ug/L	78.9		70 - 130		
1,1-Dichloroethane	B064987-BS1	LCS	25.430	25.000	ug/L	102		70 - 130		
1,1-Dichloroethene	B064987-BS1	LCS	30.300	25.000	ug/L	121		70 - 130		
Toluene	B064987-BS1	LCS	23.820	25.000	ug/L	95.3		70 - 130		
Trichloroethene	B064987-BS1	LCS	24.010	25.000	ug/L	96.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B064987-BS1	LCS	10.160	10.000	ug/L	102		75 - 125		
Toluene-d8 (Surrogate)	B064987-BS1	LCS	10.260	10.000	ug/L	103		80 - 120		
4-Bromofluorobenzene (Surrogate)	B064987-BS1	LCS	9.5100	10.000	ug/L	95.1		80 - 120		

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Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B064986	Used client sample: N										
Benzene	MS	1942346-03	ND	28.190	25.000	ug/L		113		70 - 130	
	MSD	1942346-03	ND	26.740	25.000	ug/L	5.3	107	20	70 - 130	
Bromodichloromethane	MS	1942346-03	ND	25.860	25.000	ug/L		103		70 - 130	
	MSD	1942346-03	ND	25.390	25.000	ug/L	1.8	102	20	70 - 130	
Chlorobenzene	MS	1942346-03	ND	26.660	25.000	ug/L		107		70 - 130	
	MSD	1942346-03	ND	24.360	25.000	ug/L	9.0	97.4	20	70 - 130	
Chloroethane	MS	1942346-03	ND	28.460	25.000	ug/L		114		70 - 130	
	MSD	1942346-03	ND	28.440	25.000	ug/L	0.1	114	20	70 - 130	
1,4-Dichlorobenzene	MS	1942346-03	ND	21.560	25.000	ug/L		86.2		70 - 130	
	MSD	1942346-03	ND	22.840	25.000	ug/L	5.8	91.4	20	70 - 130	
1,1-Dichloroethane	MS	1942346-03	ND	26.590	25.000	ug/L		106		70 - 130	
	MSD	1942346-03	ND	26.120	25.000	ug/L	1.8	104	20	70 - 130	
1,1-Dichloroethene	MS	**1942346-03**	**ND**	**32.820**	**25.000**	**ug/L**		**131**		**70 - 130**	**Q03**
	MSD	**1942346-03**	**ND**	**31.930**	**25.000**	**ug/L**	**2.7**	**128**	**20**	**70 - 130**	
Toluene	MS	1942346-03	ND	27.060	25.000	ug/L		108		70 - 130	
	MSD	1942346-03	ND	25.490	25.000	ug/L	6.0	102	20	70 - 130	
Trichloroethene	MS	1942346-03	ND	25.530	25.000	ug/L		102		70 - 130	
	MSD	1942346-03	ND	23.840	25.000	ug/L	6.8	95.4	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1942346-03	ND	10.770	10.000	ug/L		108		75 - 125	
	MSD	1942346-03	ND	10.510	10.000	ug/L	2.4	105		75 - 125	
Toluene-d8 (Surrogate)	MS	1942346-03	ND	10.210	10.000	ug/L		102		80 - 120	
	MSD	1942346-03	ND	10.040	10.000	ug/L	1.7	100		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1942346-03	ND	9.2800	10.000	ug/L		92.8		80 - 120	
	MSD	1942346-03	ND	9.8700	10.000	ug/L	6.2	98.7		80 - 120	
QC Batch ID: B064987	Used client sample: N										
Benzene	MS	1941859-01	ND	25.420	25.000	ug/L		102		70 - 130	
	MSD	1941859-01	ND	24.590	25.000	ug/L	3.3	98.4	20	70 - 130	
Bromodichloromethane	MS	1941859-01	ND	23.670	25.000	ug/L		94.7		70 - 130	
	MSD	1941859-01	ND	23.580	25.000	ug/L	0.4	94.3	20	70 - 130	
Chlorobenzene	MS	1941859-01	ND	24.530	25.000	ug/L		98.1		70 - 130	
	MSD	1941859-01	ND	22.980	25.000	ug/L	6.5	91.9	20	70 - 130	
Chloroethane	MS	1941859-01	ND	25.540	25.000	ug/L		102		70 - 130	
	MSD	1941859-01	ND	26.080	25.000	ug/L	2.1	104	20	70 - 130	
1,4-Dichlorobenzene	MS	1941859-01	ND	20.290	25.000	ug/L		81.2		70 - 130	
	MSD	1941859-01	ND	20.260	25.000	ug/L	0.1	81.0	20	70 - 130	
1,1-Dichloroethane	MS	1941859-01	ND	24.580	25.000	ug/L		98.3		70 - 130	
	MSD	1941859-01	ND	23.840	25.000	ug/L	3.1	95.4	20	70 - 130	

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Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B064987	Used client sample: N										
1,1-Dichloroethene	MS	1941859-01	ND	30.130	25.000	ug/L		121		70 - 130	
	MSD	1941859-01	ND	28.770	25.000	ug/L	4.6	115	20	70 - 130	
Toluene	MS	1941859-01	ND	24.400	25.000	ug/L		97.6		70 - 130	
	MSD	1941859-01	ND	23.540	25.000	ug/L	3.6	94.2	20	70 - 130	
Trichloroethene	MS	1941859-01	ND	24.550	25.000	ug/L		98.2		70 - 130	
	MSD	1941859-01	ND	23.670	25.000	ug/L	3.6	94.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1941859-01	ND	10.120	10.000	ug/L		101		75 - 125	
	MSD	1941859-01	ND	10.390	10.000	ug/L	2.6	104		75 - 125	
Toluene-d8 (Surrogate)	MS	1941859-01	ND	10.040	10.000	ug/L		100		80 - 120	
	MSD	1941859-01	ND	10.030	10.000	ug/L	0.1	100		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1941859-01	ND	9.4800	10.000	ug/L		94.8		80 - 120	
	MSD	1941859-01	ND	9.4000	10.000	ug/L	0.8	94.0		80 - 120	

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Sacramento, CA 95826

Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B065590						
TPH - Light Naptha	B065590-BLK1	ND	ug/L	100	40	
TPH - Aviation Gas	B065590-BLK1	ND	ug/L	100	40	
TPH - Stoddard Solvent	B065590-BLK1	ND	ug/L	40	20	
TPH - Heavy Naptha	B065590-BLK1	ND	ug/L	40	20	
TPH - Gasoline	B065590-BLK1	ND	ug/L	100	40	
TPH - Jet Fuel (JP4)	B065590-BLK1	ND	ug/L	40	20	
TPH - Jet Fuel (JP5)	B065590-BLK1	ND	ug/L	40	26	
TPH - Jet Fuel (JP6)	B065590-BLK1	ND	ug/L	40	20	
TPH - Jet Fuel (JP8)	B065590-BLK1	ND	ug/L	40	20	
TPH - Kerosene	B065590-BLK1	ND	ug/L	40	11	
TPH - Diesel (FFP)	B065590-BLK1	ND	ug/L	40	11	
TPH - Fuel Oil	B065590-BLK1	ND	ug/L	100	40	
TPH - Fuel Oil #6	B065590-BLK1	ND	ug/L	10	5.0	
TPH - Crude Oil	B065590-BLK1	ND	ug/L	100	28	
TPH - Hydraulic Oil / Motor Oil	B065590-BLK1	ND	ug/L	100	26	
TPH - Waste Oil	B065590-BLK1	ND	ug/L	100	40	
TPH - WD-40	B065590-BLK1	ND	ug/L	40	20	
TPH - Mineral Oil	B065590-BLK1	ND	ug/L	200	100	
TPH - Mineral Spirit	B065590-BLK1	ND	ug/L	40	20	
TPH - Lube Oil	B065590-BLK1	ND	ug/L	100	40	
Tetracosane (Surrogate)	**B065590-BLK1**	**74.2**	%	**37 - 134 (LCL - UCL)**		

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B065590										
TPH - Diesel (FFP)	B065590-BS1	LCS	313.00	500.00	ug/L	62.6		52 - 128		
Tetracosane (Surrogate)	B065590-BS1	LCS	14.181	20.000	ug/L	70.9		37 - 134		

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B065590	Used client sample: N										
TPH - Diesel (FFP)	MS	1941859-13	ND	320.64	500.00	ug/L		64.1		50 - 127	
Tetracosane (Surrogate)	MS	1941859-13	ND	15.455	20.000	ug/L		77.3		37 - 134	

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Reported: 12/27/2019 16:18
Project: Kings Beach WA
Project Number: 1101.02.25
Project Manager: Kiri Ando

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
Q03	Matrix spike recovery(s) was(were) not within the control limits.
V01	The Initial Calibration Verification (ICV) recovery is not within established control limits.

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Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV040.D Vial: 83
Acq On : 28 Nov 2019 7:08 am Operator: BUP
Sample : 1939912-02 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:57 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.04	376819	19.905	ug	m
Spiked Amount 20.000 Range 44 - 127		Recovery = 99.53%			
Target Compounds					
29) EH MOTOR/HYDRAULIC OIL	11.68	2382076	136.170	ug	m

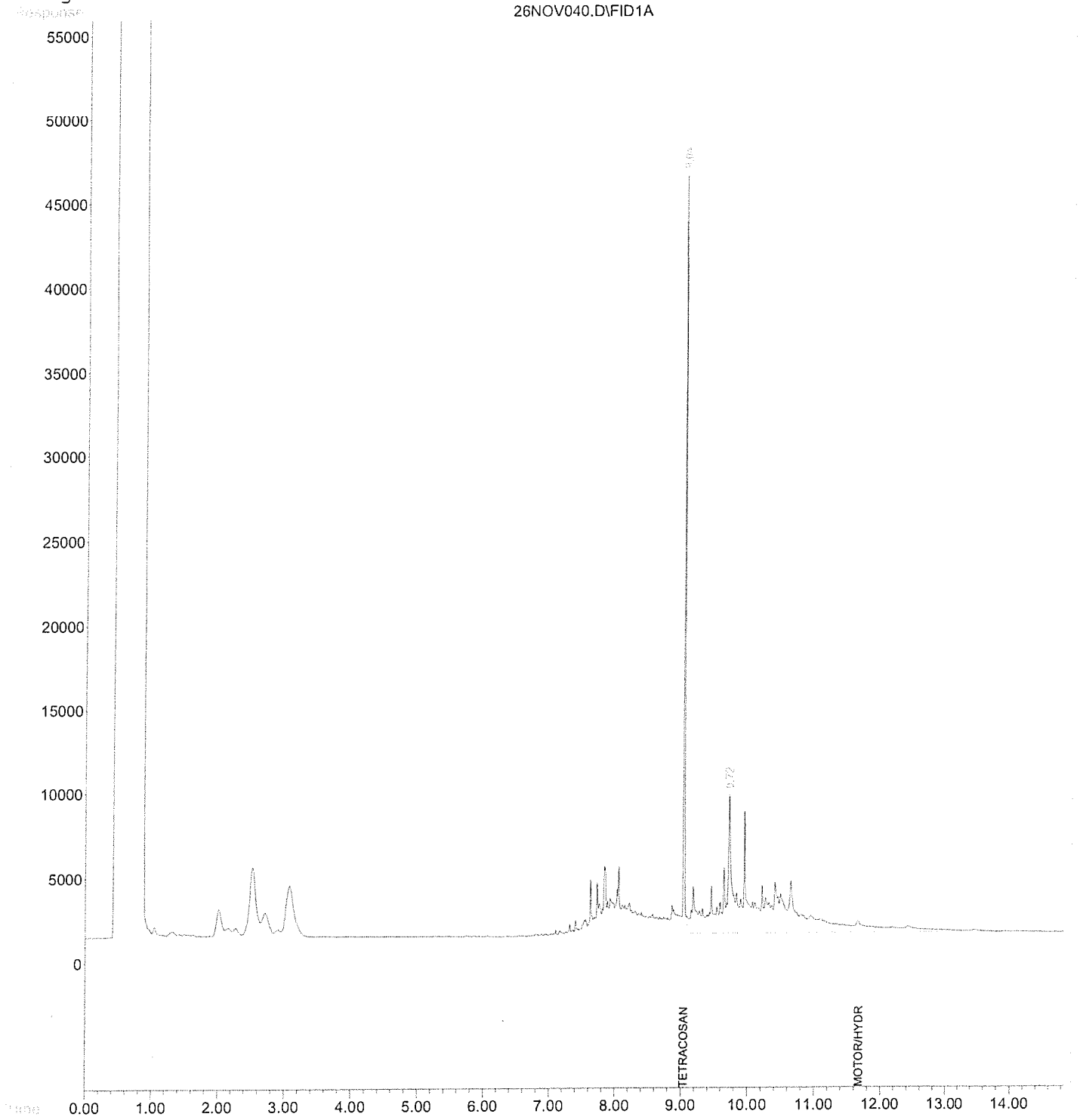
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV040.D Vial: 83
Acq On : 28 Nov 2019 7:08 am Operator: BUP
Sample : 1939912-02 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:57 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV041.D Vial: 84
Acq On : 28 Nov 2019 7:35 am Operator: BUP
Sample : 1939912-03 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:57 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.04	400439	21.269	ug	m
Spiked Amount 20.000 Range 44 - 127		Recovery = 106.35%			
Target Compounds					
29) EH MOTOR/HYDRAULIC OIL	11.68	2198675	125.686	ug	m

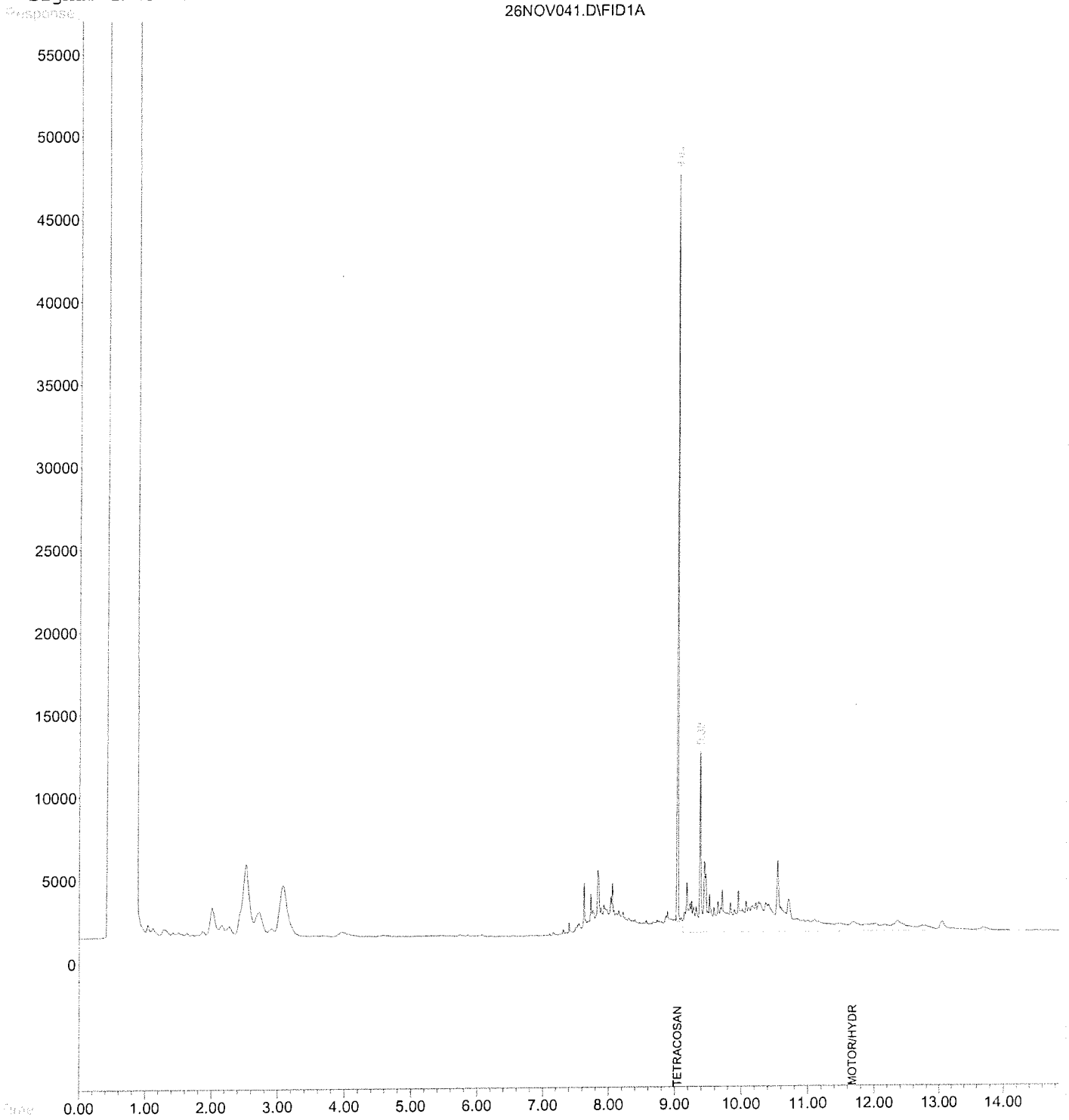
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV041.D Vial: 84
Acq On : 28 Nov 2019 7:35 am Operator: BUP
Sample : 1939912-03 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:57 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV042.D Vial: 85
Acq On : 28 Nov 2019 8:03 am Operator: BUP
Sample : 1939912-05 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:58 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.04	395394	20.978	ug	m
Spiked Amount 20.000 Range 44 - 127		Recovery = 104.89%			
Target Compounds					
29) EH MOTOR/HYDRAULIC OIL	11.68	2089689	119.456	ug	m

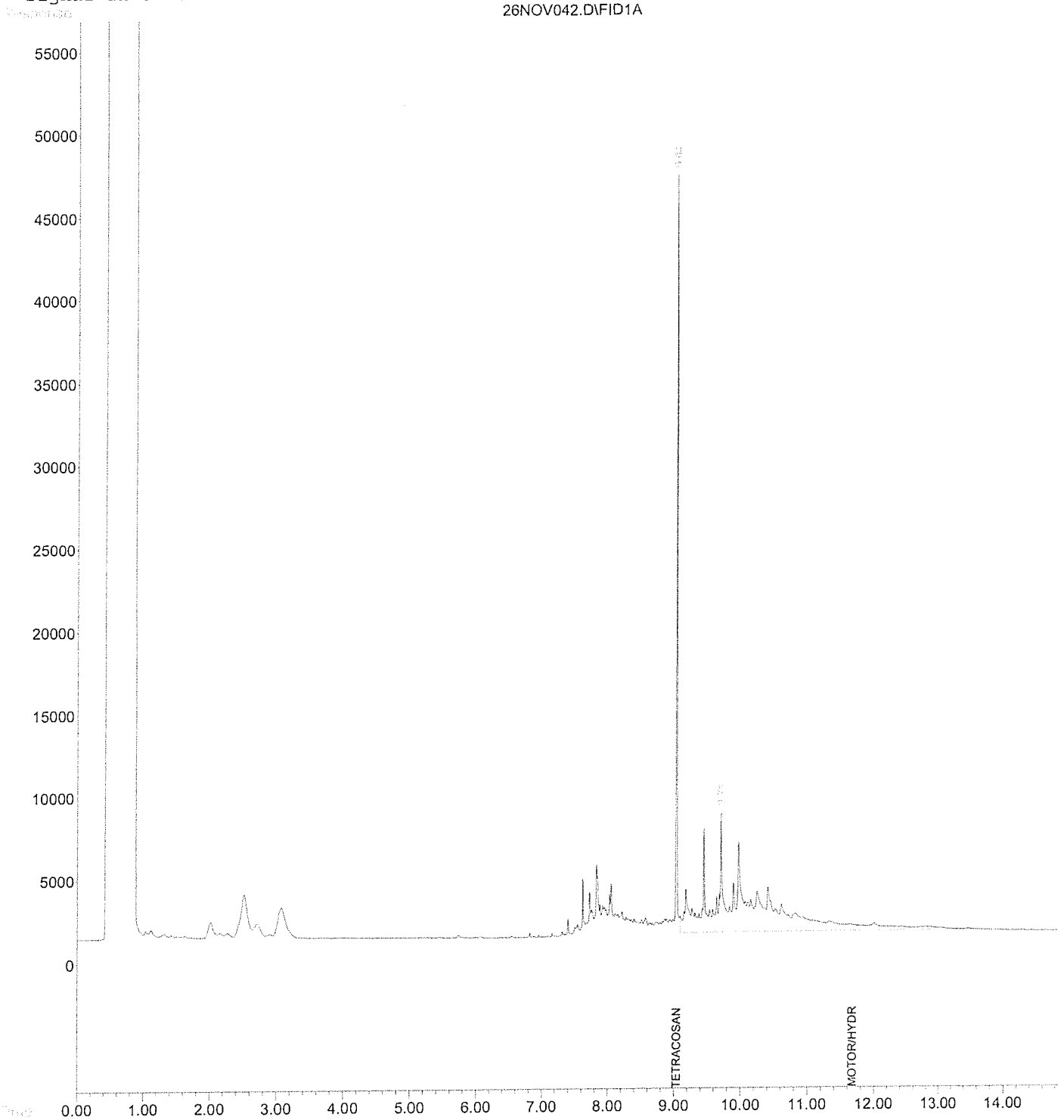
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV042.D Vial: 85
Acq On : 28 Nov 2019 8:03 am Operator: BUP
Sample : 1939912-05 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:58 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV043.D Vial: 86
Acq On : 28 Nov 2019 8:31 am Operator: BUP
Sample : 1939912-06 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:58 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.04	443353	23.749	ug	m
Spiked Amount 20.000	Range 44 - 127	Recovery = 118.74%			
Target Compounds					

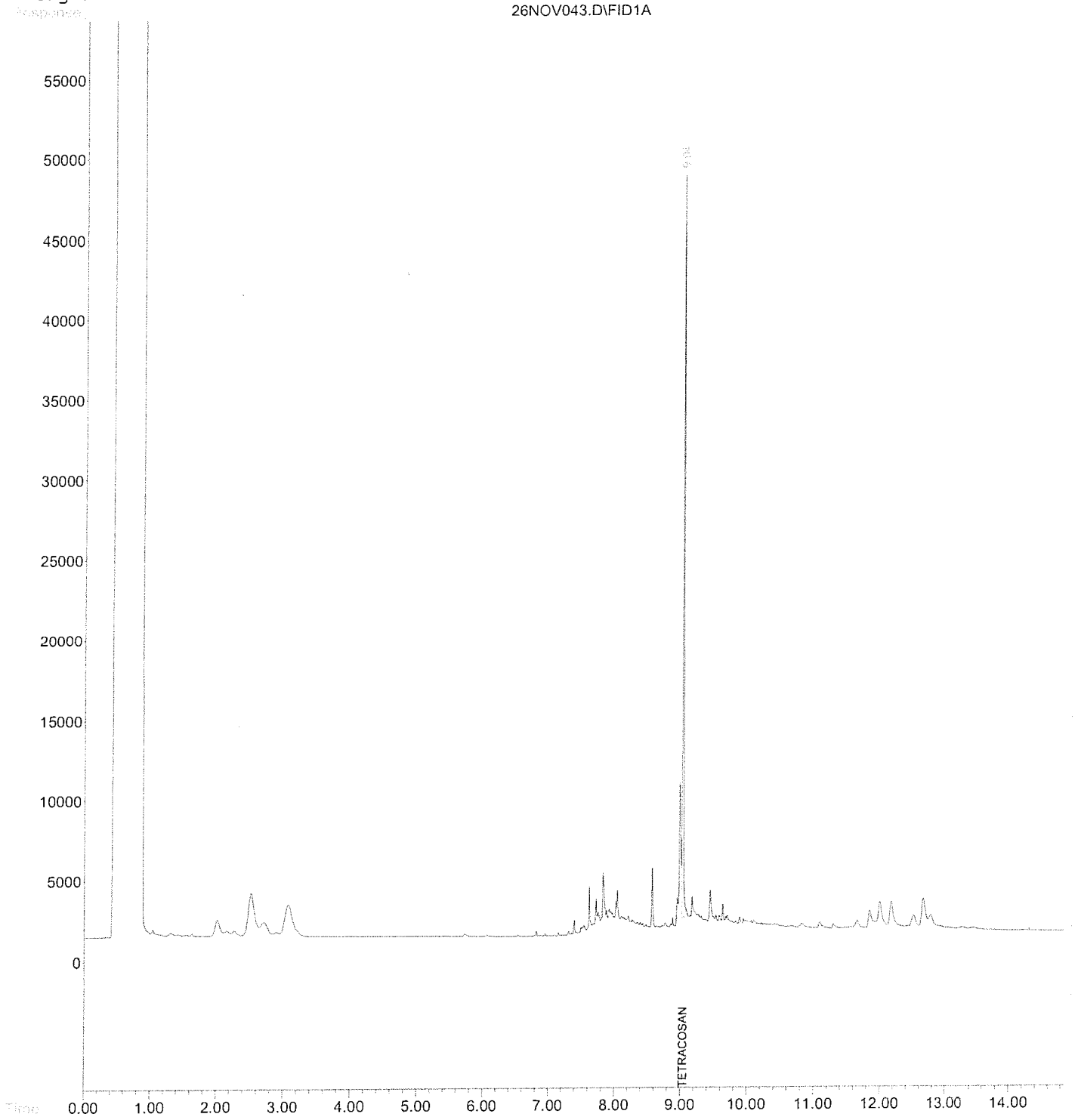
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV043.D Vial: 86
Acq On : 28 Nov 2019 8:31 am Operator: BUP
Sample : 1939912-06 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:58 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV044.D Vial: 87
Acq On : 28 Nov 2019 8:59 am Operator: BUP
Sample : 1939912-08 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:58 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.04	422737	22.558	ug	m
Spiked Amount 20.000	Range 44 - 127	Recovery = 112.79%			
Target Compounds					

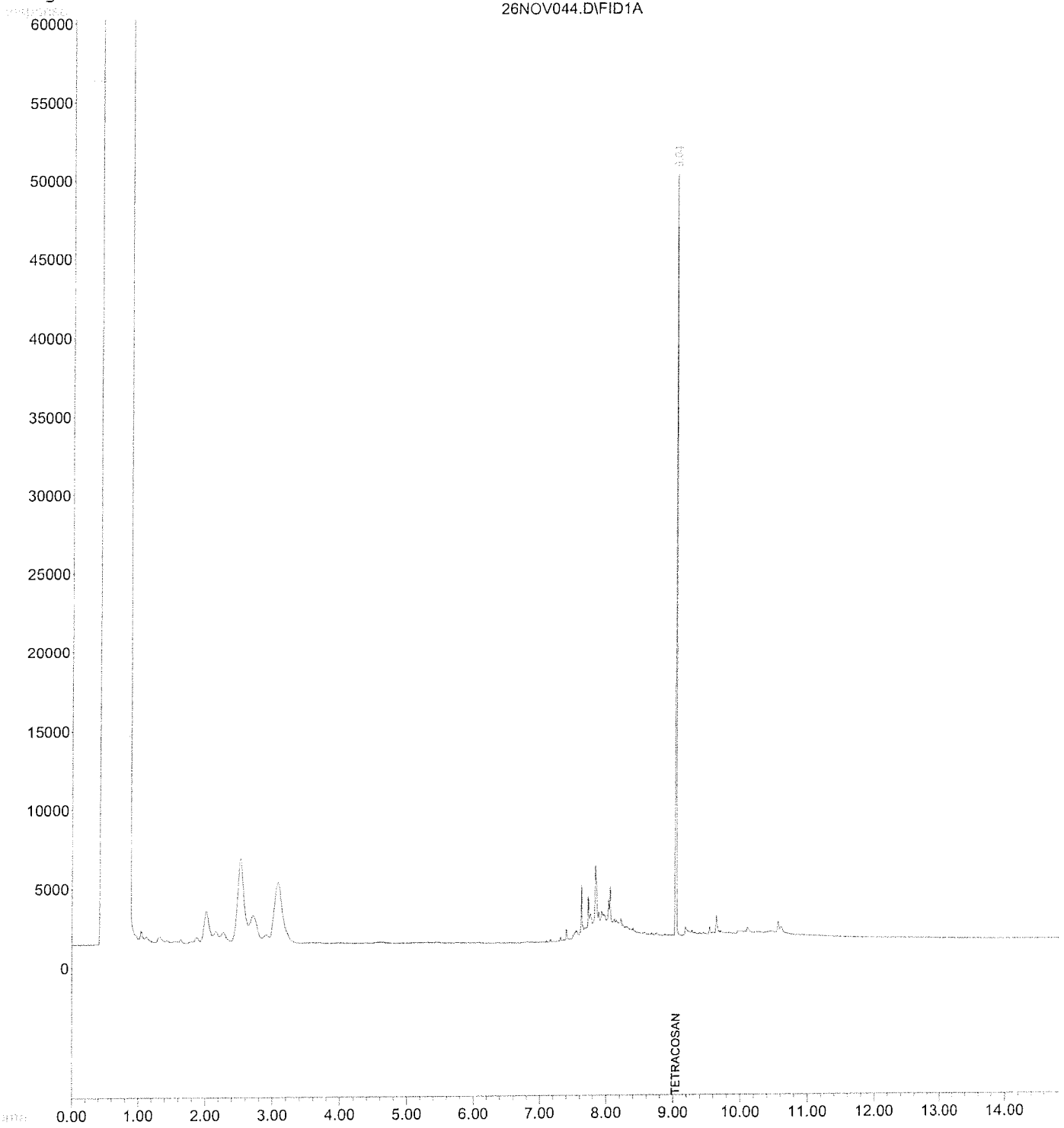
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV044.D Vial: 87
Acq On : 28 Nov 2019 8:59 am Operator: BUP
Sample : 1939912-08 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:58 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV047.D Vial: 88
Acq On : 28 Nov 2019 10:23 am Operator: BUP
Sample : 1939912-09 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:59 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

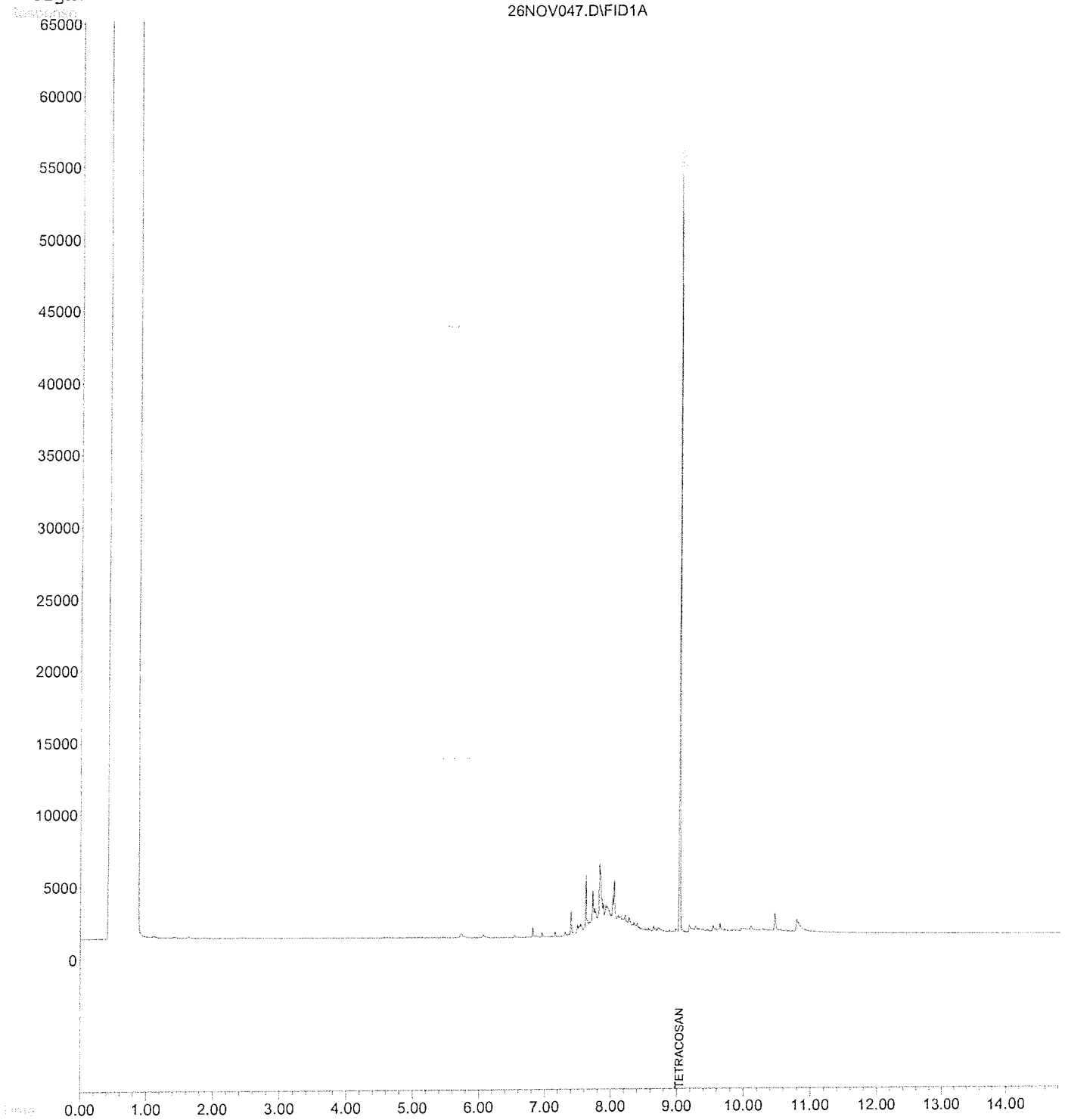
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
37) S TETRACOSANE (Surrogate)	9.04	461931	24.822 ug
Spiked Amount 20.000 Range 44 - 127		Recovery = 124.11%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV047.D Vial: 88
Acq On : 28 Nov 2019 10:23 am Operator: BUP
Sample : 1939912-09 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 11:59 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015CC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV049.D Vial: 90
Acq On : 28 Nov 2019 11:19 am Operator: BUP
Sample : 1939912-04 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 12:00 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.04	376221	19.870	ug	m
Spiked Amount 20.000 Range 44 - 127		Recovery = 99.35%			
Target Compounds					
29) EH MOTOR/HYDRAULIC OIL	11.68	2611497	149.285	ug	m

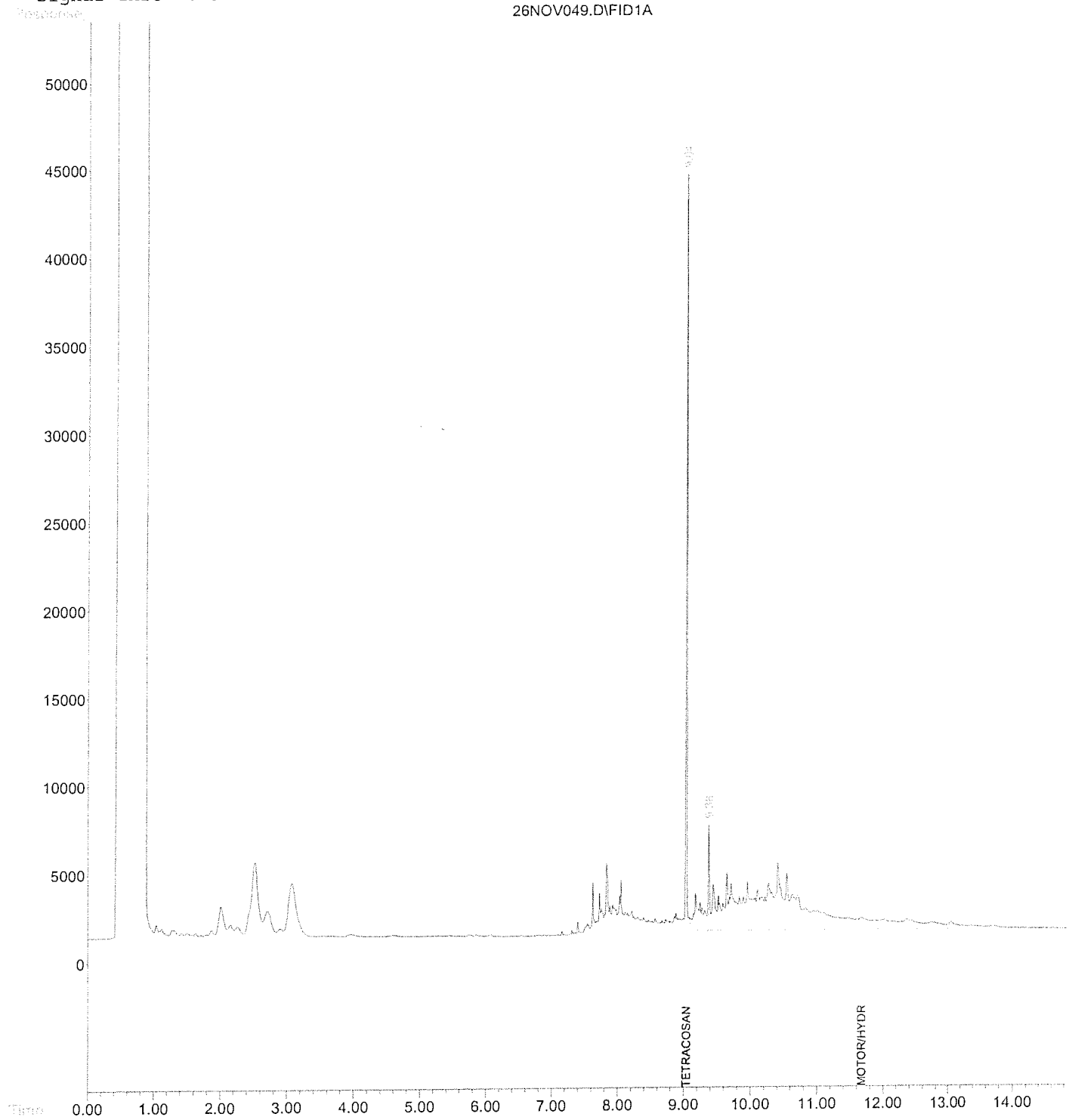
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV049.D Vial: 90
Acq On : 28 Nov 2019 11:19 am Operator: BUP
Sample : 1939912-04 Inst : GC-19
Misc : Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 12:00 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV050.D Vial: 1
Acq On : 28 Nov 2019 11:47 am Operator: BUP
Sample : 1939912-11@5 Inst : GC-19
Misc : 5 Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 12:01 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.03	734580	40.574	ug	m
Spiked Amount 20.000 Range 44 - 127		Recovery = 202.87%#			
Target Compounds					
21) AHM DIESEL	7.08	2297893	114.645	ug	m
29) EH MOTOR/HYDRAULIC OIL	11.68	3959151	226.323	ug	m

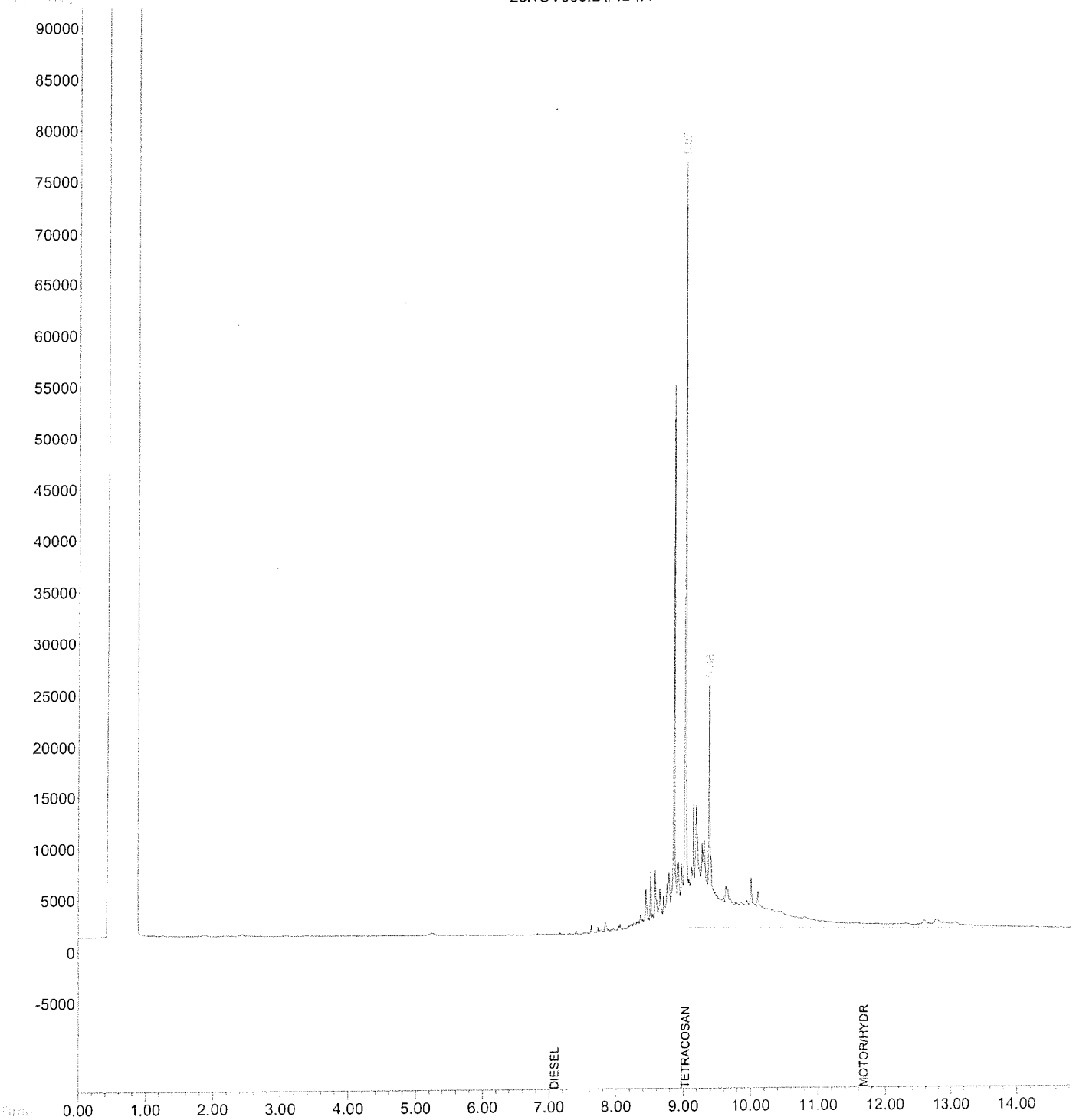
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV050.D Vial: 1
Acq On : 28 Nov 2019 11:47 am Operator: BUP
Sample : 1939912-11@5 Inst : GC-19
Misc : 5 Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 12:01 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV051.D Vial: 2
Acq On : 28 Nov 2019 12:15 pm Operator: BUP
Sample : 1939912-07@10 Inst : GC-19
Misc : 10 Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 12:02 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Initial Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
37) S TETRACOSANE (Surrogate)	9.04	52049	1.141	ug	m
Spiked Amount 20.000 Range 44 - 127		Recovery =	5.71%#		
Target Compounds					
29) EH MOTOR/HYDRAULIC OIL	11.68	4251621	243.042	ug	m

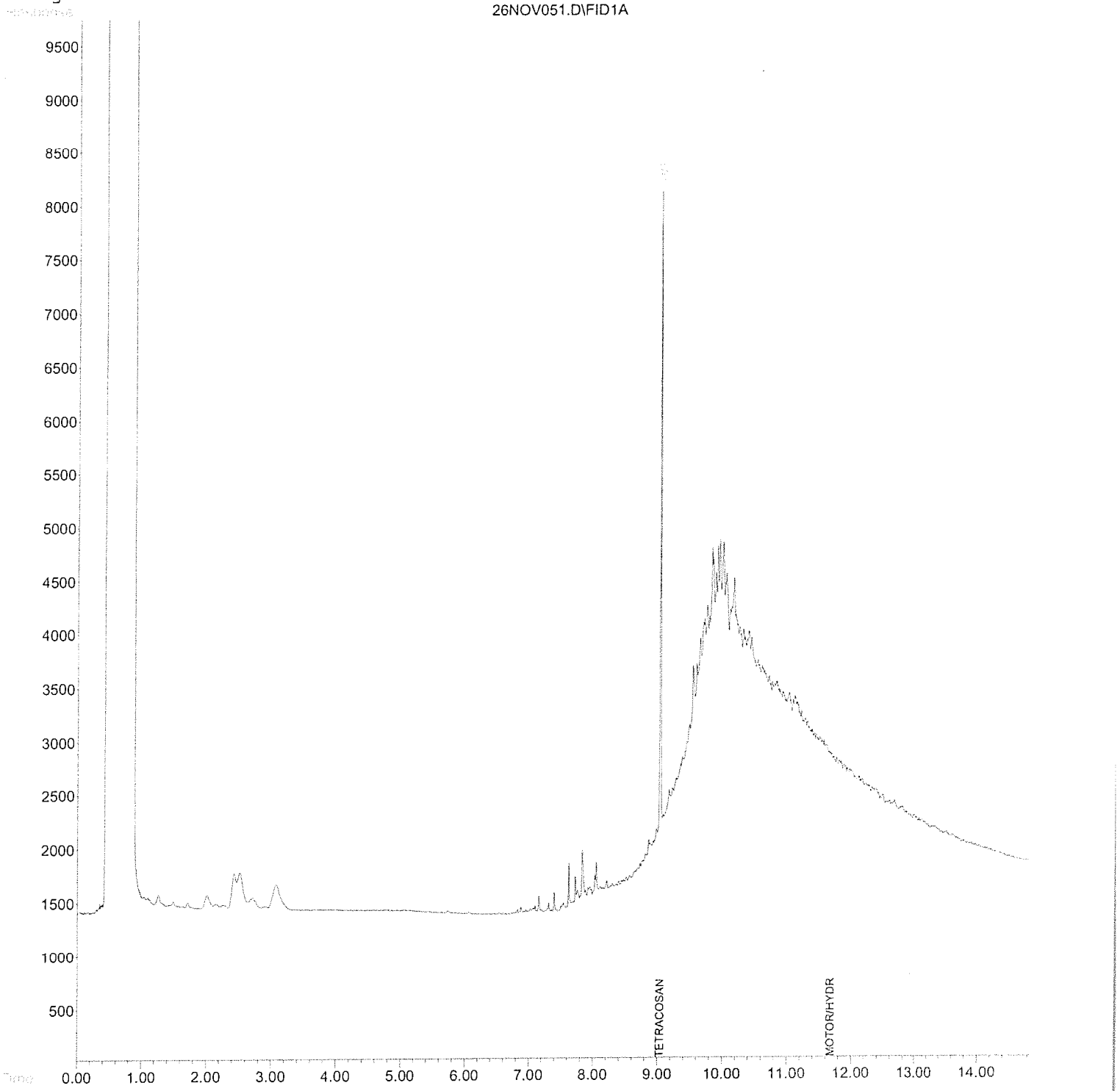
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\GC-19\2019\NOV2019\NOV27\26NOV051.D Vial: 2
Acq On : 28 Nov 2019 12:15 pm Operator: BUP
Sample : 1939912-07@10 Inst : GC-19
Misc : 10 Multiplr: 1.00
IntFile : DSLFFP13.E
Quant Time: Nov 30 12:02 2019 Quant Results File: 8015GC19.RES

Quant Method : C:\HPCHEM\3...\8015GC19.M (Chemstation Integrator)
Title : Luft 8015M GC 2
Last Update : Wed Nov 27 09:29:10 2019
Response via : Multiple Level Calibration
DataAcq Meth : 8015GC19.M

Volume Inj. : 5uL
Signal Phase : RTX-1 MEGABORE
Signal Info : 30M X 0.53um 1.5 MIC



Date of Report: 05/11/2020

Kiri Ando

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Client Project:	1101.02.25
BCL Project:	Western Approach
BCL Work Order:	2012082
Invoice ID:	B378932, B379693

Enclosed are the results of analyses for samples received by the laboratory on 4/23/2020. If you have any questions concerning this report, please feel free to contact me.

Revised Report: This report supercedes Report ID 1001025501

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Stuart Buttram
Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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NCE

RUSH!

NCE Chain of Custody/Laboratory Analysis Request Form

Page 3 of 5

Bill to: Attn: KIRI ANDO
Nichols Consulting Engineers
8795 Folsom Blvd, #250
Sacramento CA, 95826

Lab Name: BC Labs
Address: 4100 Atlas Ct. Bakersfield
Phone: (661) 327-4911

NCE Project Number: 1101.02.55 20-12082

NCE Project/Site: Western Approach
Contractor/Project Manager: Dave Rios
Firm: NCE
Address: 8795 Folsom Blvd. #250 Sacramento, CA 95826
Phone & Fax: (818) 233-2517
Sampler's Signature: [signature]

Requested Analysis

No. of Containers & Preservative: Unpreserved, H_2SO_4, HNO_3, HCL

SAMPLE ID	DATE	TIME	LAB ID	MATRIX	EPA8260B	Lead 6020
~~KB-15-2.5~~				Soil		X
~~KB-15-3.5~~						X
KB-16-1.5	4/21/20	0954	-14			X
KB-16-2.5	4/21/20	1020	-15			X
KB-16-3.5	4/21/20	1031	-16			X
KB-17-1.5	4/21/20	1110	-17			X
KB-17-2.5	4/21/20	1120	-18			X
KB-17-3.5	4/21/20	1125	-19			X
KB-18-1.5	4/21/20	1209	-20			X
KB-18-2.5	4/21/20	1224	-21			X

REMARKS:

Relinquish by/date/time: [signature] 4/22/20 1410 hrs
Received by/date: [signature] 14/22/2020 1410 hrs
Relinquish by/date: Stephen Cole 14/22/2020 1600 hrs
Received by/date: [signature] 14-23-20 1900 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs

EDF Report? ____Yes X No
EDF Deliverable to (Email Address)

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report

Requested Report Date:

TURNAROUND TIME: ____24 hr. ____48 hr. X 5 day Standard ____Provide Verbal Prelim Results ____Fax Prelim Results

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Chain of Custody and Cooler Receipt Form for 2012082 Page 2 of 7

NCE RUSH!

NCE Chain of Custody/Laboratory Analysis Request Form

Page 1 of 5

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8795 Folsom Blvd, #250
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Address: 4100 Atlas Ct. Bakersfield

NCE Project Number: 1101.02.25 20-12082

NCE Project/Site: Webern Approach
Contractor/Project Manager: Dave Rust
Firm: NCE
Address: 8795 Folsom Blvd #250 Sacramento, CA 95826
Phone & Fax: (916) 233-3577
Sampler's Signature: [signature]

Requested Analysis

SAMPLE ID	DATE	TIME	LAB ID	MATRIX	No. of Containers & Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	EPA 8260B	Lead 6020	REMARKS:
KB-18-3.5	4/21/20	1238	-22	Soil					1	1	
KB-19-1.5									1	1	
KB-19-2.5									1	1	
KB-19-3.5									1	1	
KB-20-1.5	4/21/20	1404	-23						1	1	
KB-20-2.5	4/21/20	1417	-24						1	1	
KB-20-3.5	4/21/20	1419	-25						1	1	
KB-21-1.5	4/22/20	1003	-26						1	1	
KB-21-2.5	4/22/20	1010	-27						1	1	
KB-21-3.5				V					1	1	

Relinquish by/date/time: [signature] 4/22/20 1410 hrs
Received by/date: [signature] 4/22/20 1410 hrs
Relinquish by/date: [signature] 4/22/20 1600 hrs
Received by/date: [signature] 4/23/20 0900 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs

EDF Report? ___Yes X No
EDF Deliverable to (Email Address)

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report
Requested Report Date: _____
TURNAROUND TIME: ___24 hr. ___48 hr. X 5 day Standard ___Provide Verbal Prelim Results ___Fax Prelim Results

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NCE

RUSH!

NCE Chain of Custody/Laboratory Analysis Request Form

Page 5 of 5

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Firm: NCE
Address: 8795 Folsom Blvd. #250 Sacramento, CA 95826
Phone & Fax: (818) 233-2517
Sampler's Signature: [signature]

Requested Analysis

SAMPLE ID	DATE	TIME	LAB ID	MATRIX	No. of Containers & Preservative: Unpreserved	H_2SO_4	HNO_3	HCL	EPA8260B VOCs	Lead 6020	Metals 6020	8270 SVOCs	[illegible]	8015M Fuel Fingerprint	REMARKS:
KB-22-1.5	4/22/20	0928	-28	SOIL						X					
KB-22-[illegible]	4/22/20	0938	-29	↓						X					
~~KB-22-3.5~~										X					
KB-DRUMS	4/22/20	1105	-30	↓					X		X	X	[illegible]	X	→ 3 Jars - please combine in lab
KB-DRUMW	4/22/20	1115	-31	water					X		X	X	[illegible]	X	* please filter in lab
KB-23-0	4/22/20	1024	-32	Soil						X					* prior to preserving
KB-23-1.5	4/22/20	1035	-33	soil						X					

Relinquish by/date/time: [signature] 4/22/20 1410 hrs
Received by/date: [signature] 14/22/2020 14 10 hrs
Relinquish by/date: [signature] 14/22/2020 1620 hrs
Received by/date: [signature] 14-23-20 900 hrs
Relinquish by/date: / / hrs
Received by/date: / / hrs

EDF Report? ___Yes X No
EDF Deliverable to (Email Address)

NOTES TO LAB:

REPORT REQUIREMENTS: (circle) I. Routine Report II. Report III. Data Validation Report IV. CLP Deliverable Report
Requested Report Date:
TURNAROUND TIME: ___24 hr. ___48 hr. X 5 day Standard ___Provide Verbal Prelim Results ___Fax Prelim Results

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Chain of Custody and Cooler Receipt Form for 2012082 Page 4 of 7

Page 1 of 4

Submission #: 20-12082

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GLS	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: .98 Container: Amber Thermometer ID: 214 Date/Time 4-13-20 900

Temperature: (A) 1.5 °C / (C) 1.4 °C Analyst Init TK

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODCR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
~~8oz / 16oz / 32oz~~ JAR 4OZ	A	A	A	A		A	A	A	A	A
SOIL SLEEVE B/155					A					
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: [signature] Date/Time: 4/13 2140

A = Actual / C = Corrected

Rev 21 05/23/2016

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Chain of Custody and Cooler Receipt Form for 2012082 Page 5 of 7

Page 2 of 4

Submission #: 20-12082

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☐ Other ☒ (Specify) GLS	Other ☐ (Specify)	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .98 Container: Amber Thermometer ID: 214 Date/Time 4-23-20 900

Temperature: (A) 1.5 °C / (C) 1.4 °C Analyst Init TK

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODCR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
~~8oz / 16oz / 32oz~~ JAR 402	A	A	A			A		A		
SOIL SLEEVE Brass				A	A		A		A	A
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JM Date/Time: 4/23/20 2140

A = Actual / C = Corrected

Rev 21 05/23/2016

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 Of 4

Submission #: 20-12082

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☒ (Specify) GLS

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)

FREE LIQUID
YES ☐ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: .98 Container: Amber Thermometer ID: 214 Date/Time 4/23/20 900

Temperature: (A) 1.5 °C / (C) 1.4 °C Analyst Init TK

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	21	22	23	24	25	26	27	28	29	30
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODCR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz ~~16oz / 32oz AMBER~~ JAR										
~~8oz / 16oz / 32oz~~ JAR 402	A	A	A	A	A	A	A	A	A	ABC
SOIL SLEEVE Brass										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: Date/Time: 4/23/20 900

\ = Actual / C = Corrected

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Chain of Custody and Cooler Receipt Form for 2012082 Page 7 of 7

BC LABORATORIES INC. COOLER RECEIPT FORM Page 4 Of 4

Submission #: 20-12082

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GLS	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .97 Container: PE Thermometer ID: 274 Date/Time 4-23-20 900

Temperature: (A) 0.9 °C / (C) 0.3 °C Analyst Init TKJ

SAMPLE CONTAINERS	SAMPLE NUMBERS 31	32	33	34	35	36	37	38	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES X44	D									
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL 096	A-C									
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M 060	E-G									
QT EPA 8270 080	FGH-1									
8oz / 16oz / 32oz AMBER										
~~8oz / 16oz / 32oz~~ JAR 402		A	A							
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: Description, time and date is missing from -31 8270 Ambers.

Sample Numbering Completed By: JM Date/Time: 4/23/20 2140

A = Actual / C = Corrected

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2012082-01	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 09:13
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-03-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-02	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 09:16
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-03-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-03	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 09:07
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-04-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-04	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 09:12
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-04-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-05	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 10:52
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-05-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-06	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 10:58
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-05-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-07	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 11:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-06-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2012082-08	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 11:46
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-06-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-09	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 15:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-07-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-10	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 16:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-07-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-11	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 14:24
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-08-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-12	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 14:56
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-10-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-13	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 14:58
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-10-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-14	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 09:54
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-16-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2012082-15	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 10:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-16-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-16	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 10:31
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-16-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-17	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 11:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-17-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-18	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 11:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-17-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-19	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 11:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-17-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-20	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 12:09
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-18-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-21	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 12:24
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-18-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2012082-22	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 12:28
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-18-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-23	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 14:06
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-20-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-24	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 14:17
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-20-2.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-25	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/21/2020 14:19
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-20-3.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-26	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 10:03
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-21-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-27	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 10:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-21-0	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-28	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 09:28
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-22-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2012082-29	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 09:38
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-22-0	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-30	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 11:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-DRUMS	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-31	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 11:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-DRUMW	**Lab Matrix:**	Water
	Sampled By:	NCES	**Sample Type:**	Water
			Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time	
2012082-32	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 10:24
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-23-0	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil
2012082-33	**COC Number:**	---	**Receive Date:**	04/23/2020 09:00
	Project Number:	Western Approach	**Sampling Date:**	04/22/2020 10:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KB-23-1.5	**Lab Matrix:**	Solids
	Sampled By:	NCES	**Sample Type:**	Soil

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-01 | **Client Sample Name:** Western Approach, KB-03-2.5, 4/21/2020 9:13:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**3.4**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:43	AS1	PE-EL2	0.917	B076310	EPA 3050B

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Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-02 | **Client Sample Name:** Western Approach, KB-03-3.5, 4/21/2020 9:16:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**3.3**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:45	AS1	PE-EL2	0.962	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-03 | **Client Sample Name:** Western Approach, KB-04-2.5, 4/22/2020 9:07:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**11**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:47	AS1	PE-EL2	0.962	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-04 | **Client Sample Name:** Western Approach, KB-04-3.5, 4/22/2020 9:12:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**11**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:49	AS1	PE-EL2	0.952	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-05 | **Client Sample Name:** Western Approach, KB-05-2.5, 4/21/2020 10:52:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**8.7**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:50	AS1	PE-EL2	0.980	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-06 | **Client Sample Name:** Western Approach, KB-05-3.5, 4/21/2020 10:58:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**7.2**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:52	AS1	PE-EL2	0.943	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-07 | **Client Sample Name:** Western Approach, KB-06-2.5, 4/21/2020 11:45:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**8.5**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:57	AS1	PE-EL2	0.926	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-08 | **Client Sample Name:** Western Approach, KB-06-3.5, 4/21/2020 11:46:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**7.6**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:59	AS1	PE-EL2	0.909	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-09 | **Client Sample Name:** Western Approach, KB-07-2.5, 4/21/2020 3:55:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**5.8**	**mg/kg**	**0.50**	**0.24**	**EPA-6020**	1000	**A07**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 22:28	AS1	PE-EL2	2	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-10 | **Client Sample Name:** Western Approach, KB-07-3.5, 4/21/2020 4:00:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**5.4**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:01	AS1	PE-EL2	0.926	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-11 | **Client Sample Name:** Western Approach, KB-08-2.5, 4/21/2020 2:24:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**25**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:03	AS1	PE-EL2	0.962	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-12 | **Client Sample Name:** Western Approach, KB-10-2.5, 4/21/2020 2:56:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**25**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:04	AS1	PE-EL2	0.935	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-13 | **Client Sample Name:** Western Approach, KB-10-3.5, 4/21/2020 2:58:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**27**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:06	AS1	PE-EL2	1	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-14 | **Client Sample Name:** Western Approach, KB-16-1.5, 4/21/2020 9:54:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**16**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:11	AS1	PE-EL2	0.909	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-15 | **Client Sample Name:** Western Approach, KB-16-2.5, 4/21/2020 10:20:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**5.0**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:13	AS1	PE-EL2	1	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-16 | **Client Sample Name:** Western Approach, KB-16-3.5, 4/21/2020 10:31:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**9.1**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:15	AS1	PE-EL2	0.917	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-17 | **Client Sample Name:** Western Approach, KB-17-1.5, 4/21/2020 11:10:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**140**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:16	AS1	PE-EL2	0.926	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-18 | **Client Sample Name:** Western Approach, KB-17-2.5, 4/21/2020 11:20:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**15**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:18	AS1	PE-EL2	0.990	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-19 | **Client Sample Name:** Western Approach, KB-17-3.5, 4/21/2020 11:25:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**2.3**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:20	AS1	PE-EL2	0.990	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-20 | **Client Sample Name:** Western Approach, KB-18-1.5, 4/21/2020 12:09:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**26**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 10:30	04/24/20 23:22	AS1	PE-EL2	0.971	B076310	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-21 | **Client Sample Name:** Western Approach, KB-18-2.5, 4/21/2020 12:24:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**14**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:21	AS1	PE-EL2	0.943	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-22 | **Client Sample Name:** Western Approach, KB-18-3.5, 4/21/2020 12:28:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**25**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:22	AS1	PE-EL2	0.980	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-23 | **Client Sample Name:** Western Approach, KB-20-1.5, 4/21/2020 2:06:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**80**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:24	AS1	PE-EL2	0.926	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-24 | **Client Sample Name:** Western Approach, KB-20-2.5, 4/21/2020 2:17:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**59**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:07	AS1	PE-EL2	1	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-25 | **Client Sample Name:** Western Approach, KB-20-3.5, 4/21/2020 2:19:00PM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**18**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:26	AS1	PE-EL2	0.943	B076311	EPA 3050B

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-26 | **Client Sample Name:** Western Approach, KB-21-1.5, 4/22/2020 10:03:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**18**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:28	AS1	PE-EL2	0.943	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-27 | **Client Sample Name:** Western Approach, KB-21-0, 4/22/2020 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**53**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:29	AS1	PE-EL2	1	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-28 | **Client Sample Name:** Western Approach, KB-22-1.5, 4/22/2020 9:28:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**12**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:35	AS1	PE-EL2	0.926	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-29 | **Client Sample Name:** Western Approach, KB-22-0, 4/22/2020 9:38:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**32**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:36	AS1	PE-EL2	0.971	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0024	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0019	EPA-8260B			1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0031	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0015	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0026	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0027	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0022	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0023	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0019	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0038	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	04/30/20 08:10	04/30/20 18:39	BYM	MS-V2	1	B076810	EPA 5030 Soil MS

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Acenaphthene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Acenaphthylene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Aldrin	ND	mg/kg	1.0	0.067	EPA-8270C	1.4	A10	1
Aniline	ND	mg/kg	2.0	0.11	EPA-8270C		A10	1
Anthracene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Benzidine	ND	mg/kg	30	0.093	EPA-8270C		A10	1
Benzo[a]anthracene	ND	mg/kg	1.0	0.077	EPA-8270C		A10	1
Benzo[b]fluoranthene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Benzo[k]fluoranthene	ND	mg/kg	1.0	0.082	EPA-8270C		A10	1
Benzo[a]pyrene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Benzo[g,h,i]perylene	ND	mg/kg	1.0	0.13	EPA-8270C		A10	1
Benzoic acid	ND	mg/kg	5.0	0.14	EPA-8270C		A10	1
Benzyl alcohol	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Benzyl butyl phthalate	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
alpha-BHC	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
beta-BHC	ND	mg/kg	1.0	0.075	EPA-8270C		A10	1
delta-BHC	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
gamma-BHC (Lindane)	ND	mg/kg	1.0	0.067	EPA-8270C	4.0	A10	1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	1.0	0.097	EPA-8270C		A10	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	2.0	0.067	EPA-8270C		A10	1
4-Bromophenyl phenyl ether	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
4-Chloroaniline	ND	mg/kg	1.0	0.15	EPA-8270C		A10	1
2-Chloronaphthalene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Chrysene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
4,4'-DDD	ND	mg/kg	1.0	0.067	EPA-8270C	1.0	A10	1
4,4'-DDE	ND	mg/kg	1.0	0.068	EPA-8270C	1.0	A10	1
4,4'-DDT	ND	mg/kg	1.0	0.067	EPA-8270C	1.0	A10	1
Dibenzo[a,h]anthracene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Dibenzofuran	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
1,2-Dichlorobenzene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
1,4-Dichlorobenzene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
3,3-Dichlorobenzidine	ND	mg/kg	2.0	0.067	EPA-8270C		A10	1
Dieldrin	ND	mg/kg	1.0	0.077	EPA-8270C	8.0	A10	1
Diethyl phthalate	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Dimethyl phthalate	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Di-n-butyl phthalate	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
2,4-Dinitrotoluene	ND	mg/kg	1.0	0.085	EPA-8270C		A10	1
2,6-Dinitrotoluene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Di-n-octyl phthalate	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
1,2-Diphenylhydrazine	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Endosulfan I	ND	mg/kg	2.0	0.088	EPA-8270C		A10	1
Endosulfan II	ND	mg/kg	2.0	0.088	EPA-8270C		A10	1
Endosulfan sulfate	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Endrin	ND	mg/kg	2.0	0.086	EPA-8270C	0.2	A10	1
Endrin aldehyde	ND	mg/kg	5.0	0.070	EPA-8270C		A10	1
Fluoranthene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Fluorene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Heptachlor	ND	mg/kg	1.0	0.067	EPA-8270C	4.7	A10	1
Heptachlor epoxide	ND	mg/kg	1.0	0.13	EPA-8270C		A10	1
Hexachlorobenzene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Hexachlorobutadiene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Hexachlorocyclopentadiene	ND	mg/kg	1.0	0.15	EPA-8270C		A10	1
Hexachloroethane	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.0	0.069	EPA-8270C		A10	1
Isophorone	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
2-Methylnaphthalene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Naphthalene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
2-Naphthylamine	ND	mg/kg	30	0.36	EPA-8270C		A10	1
2-Nitroaniline	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
3-Nitroaniline	ND	mg/kg	2.0	0.067	EPA-8270C		A10	1
4-Nitroaniline	ND	mg/kg	2.0	0.11	EPA-8270C		A10	1
Nitrobenzene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	1.0	0.40	EPA-8270C		A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
N-Nitrosodiphenylamine	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Phenanthrene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
Pyrene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
1,2,4-Trichlorobenzene	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
4-Chloro-3-methylphenol	ND	mg/kg	2.0	0.067	EPA-8270C		A10	1
2-Chlorophenol	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
2,4-Dichlorophenol	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
2,4-Dimethylphenol	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.0	0.067	EPA-8270C		A10	1
2,4-Dinitrophenol	ND	mg/kg	5.0	0.067	EPA-8270C		A10	1
2-Methylphenol	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
3- & 4-Methylphenol	ND	mg/kg	2.0	0.14	EPA-8270C		A10	1
2-Nitrophenol	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
4-Nitrophenol	ND	mg/kg	2.0	0.18	EPA-8270C		A10	1
Pentachlorophenol	ND	mg/kg	2.0	0.17	EPA-8270C	17	A10	1
Phenol	ND	mg/kg	1.0	0.067	EPA-8270C		A10	1
2,4,5-Trichlorophenol	ND	mg/kg	2.0	0.11	EPA-8270C		A10	1
2,4,6-Trichlorophenol	ND	mg/kg	2.0	0.067	EPA-8270C		A10	1
2-Fluorophenol (Surrogate)	13.4	%	20 - 130 (LCL - UCL)		EPA-8270C		A10,S09	1
Phenol-d5 (Surrogate)	12.7	%	30 - 130 (LCL - UCL)		EPA-8270C		A10,S09	1
Nitrobenzene-d5 (Surrogate)	12.5	%	30 - 130 (LCL - UCL)		EPA-8270C		A10,S09	1
2-Fluorobiphenyl (Surrogate)	16.1	%	30 - 140 (LCL - UCL)		EPA-8270C		A10,S09	1
2,4,6-Tribromophenol (Surrogate)	13.0	%	20 - 150 (LCL - UCL)		EPA-8270C		A10,S09	1
p-Terphenyl-d14 (Surrogate)	23.0	%	30 - 150 (LCL - UCL)		EPA-8270C		A10,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8270C	04/28/20 18:30	04/30/20 13:48	MK1	MS-B2	9.632	B076721	EPA 3550B

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Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Petroleum Hydrocarbons

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	250	100	EPA-8015B/FFP	ND	A01	1
TPH - Aviation Gas	ND	mg/kg	250	100	EPA-8015B/FFP	ND	A01	1
TPH - Stoddard Solvent	ND	mg/kg	100	25	EPA-8015B/FFP	ND	A01	1
TPH - Heavy Naptha	ND	mg/kg	50	25	EPA-8015B/FFP	ND	A01	1
TPH - Gasoline	ND	mg/kg	100	25	EPA-8015B/FFP	ND	A01	1
TPH - Jet Fuel (JP4)	ND	mg/kg	50	25	EPA-8015B/FFP	ND	A01	1
TPH - Jet Fuel (JP5)	ND	mg/kg	50	23	EPA-8015B/FFP	ND	A01	1
TPH - Jet Fuel (JP8)	ND	mg/kg	50	25	EPA-8015B/FFP	ND	A01	1
TPH - Kerosene	ND	mg/kg	50	7.0	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	**84**	**mg/kg**	**50**	**6.5**	**EPA-8015B/FFP**	ND	**A01,A52**	1
TPH - Fuel Oil #6	ND	mg/kg	50	25	EPA-8015B/FFP	ND	A01	1
TPH - Crude Oil	ND	mg/kg	100	14	EPA-8015B/FFP	ND	A01	1
TPH - Hydraulic Oil / Motor Oil	**550**	**mg/kg**	**100**	**32**	**EPA-8015B/FFP**	ND	**A01,A57**	1
TPH - WD-40	ND	mg/kg	50	25	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	71.7	%	30 - 130 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	04/28/20 17:30	04/29/20 13:19	BUP	GC-2	5.034	B076715	EPA 3550B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

WET Test (STLC)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Lead	**1.9**	**mg/L**	**0.50**	**0.16**	**EPA-6010B**	5.0		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	05/08/20 11:00	05/08/20 19:52	KDF	PE-OP4	1	B077489	EPA 3005A

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-30 | **Client Sample Name:** Western Approach, KB-DRUMS, 4/22/2020 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Antimony	**0.18**	**mg/kg**	**0.50**	**0.080**	**EPA-6020**	500	**J**	1
Arsenic	**2.5**	**mg/kg**	**0.50**	**0.17**	**EPA-6020**	500		1
Barium	**130**	**mg/kg**	**0.25**	**0.054**	**EPA-6020**	10000		1
Beryllium	**0.30**	**mg/kg**	**0.25**	**0.041**	**EPA-6020**	75		1
Cadmium	ND	mg/kg	0.25	0.048	EPA-6020	100		1
Chromium	**21**	**mg/kg**	**0.75**	**0.25**	**EPA-6020**	2500		1
Cobalt	**7.9**	**mg/kg**	**0.25**	**0.049**	**EPA-6020**	8000		1
Copper	**19**	**mg/kg**	**0.50**	**0.099**	**EPA-6020**	2500		1
Lead	**60**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1
Mercury	**0.030**	**mg/kg**	**0.16**	**0.016**	**EPA-7471A**	20	**J**	2
Molybdenum	**0.82**	**mg/kg**	**0.25**	**0.045**	**EPA-6020**	3500		1
Nickel	**14**	**mg/kg**	**0.50**	**0.11**	**EPA-6020**	2000		1
Selenium	ND	mg/kg	0.50	0.11	EPA-6020	100		3
Silver	**0.094**	**mg/kg**	**0.25**	**0.051**	**EPA-6020**	500	**J**	1
Thallium	**0.086**	**mg/kg**	**0.25**	**0.049**	**EPA-6020**	700	**J**	1
Vanadium	**85**	**mg/kg**	**0.75**	**0.27**	**EPA-6020**	2400		1
Zinc	**71**	**mg/kg**	**2.5**	**0.50**	**EPA-6020**	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:38	AS1	PE-EL2	1	B076311	EPA 3050B
2	EPA-7471A	04/29/20 15:30	05/01/20 08:28	TMT	CETAC3	1.025	B076767	EPA 7471A
3	EPA-6020	04/24/20 11:00	04/27/20 17:15	AS1	PE-EL2	1	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	5.0	0.83	EPA-8260B	ND	A01,Z1	1
Bromobenzene	ND	ug/L	5.0	1.3	EPA-8260B	ND	A01,Z1	1
Bromochloromethane	ND	ug/L	5.0	2.4	EPA-8260B	ND	A01,Z1	1
Bromodichloromethane	ND	ug/L	5.0	1.4	EPA-8260B	ND	A01,Z1	1
Bromoform	ND	ug/L	5.0	2.7	EPA-8260B	ND	A01,Z1	1
Bromomethane	ND	ug/L	10	2.5	EPA-8260B	ND	A01,Z1	1
n-Butylbenzene	ND	ug/L	5.0	1.1	EPA-8260B	ND	A01,Z1	1
sec-Butylbenzene	ND	ug/L	5.0	1.5	EPA-8260B	ND	A01,Z1	1
tert-Butylbenzene	ND	ug/L	5.0	1.3	EPA-8260B	ND	A01,Z1	1
Carbon tetrachloride	ND	ug/L	5.0	1.8	EPA-8260B	ND	A01,Z1	1
Chlorobenzene	ND	ug/L	5.0	0.93	EPA-8260B	ND	A01,Z1	1
Chloroethane	ND	ug/L	5.0	1.4	EPA-8260B	ND	A01,Z1	1
Chloroform	**12**	**ug/L**	**5.0**	**1.2**	**EPA-8260B**	ND	**A01,Z1**	1
Chloromethane	ND	ug/L	5.0	1.4	EPA-8260B	ND	A01,Z1	1
2-Chlorotoluene	ND	ug/L	5.0	2.0	EPA-8260B	ND	A01,Z1	1
4-Chlorotoluene	ND	ug/L	5.0	1.5	EPA-8260B	ND	A01,Z1	1
Dibromochloromethane	ND	ug/L	5.0	1.3	EPA-8260B	ND	A01,Z1	1
1,2-Dibromo-3-chloropropane	ND	ug/L	10	4.4	EPA-8260B	ND	A01,Z1	1
1,2-Dibromoethane	ND	ug/L	5.0	1.6	EPA-8260B	ND	A01,Z1	1
Dibromomethane	ND	ug/L	5.0	2.4	EPA-8260B	ND	A01,Z1	1
1,2-Dichlorobenzene	ND	ug/L	5.0	0.72	EPA-8260B	ND	A01,Z1	1
1,3-Dichlorobenzene	ND	ug/L	5.0	1.5	EPA-8260B	ND	A01,Z1	1
1,4-Dichlorobenzene	ND	ug/L	5.0	0.62	EPA-8260B	ND	A01,Z1	1
Dichlorodifluoromethane	ND	ug/L	5.0	0.99	EPA-8260B	ND	A01,Z1	1
1,1-Dichloroethane	ND	ug/L	5.0	1.1	EPA-8260B	ND	A01,Z1	1
1,2-Dichloroethane	ND	ug/L	5.0	1.7	EPA-8260B	ND	A01,Z1	1
1,1-Dichloroethene	ND	ug/L	5.0	1.8	EPA-8260B	ND	A01,Z1	1
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.85	EPA-8260B	ND	A01,Z1	1
trans-1,2-Dichloroethene	ND	ug/L	5.0	1.5	EPA-8260B	ND	A01,Z1	1
1,2-Dichloropropane	ND	ug/L	5.0	1.3	EPA-8260B	ND	A01,Z1	1
1,3-Dichloropropane	ND	ug/L	5.0	0.86	EPA-8260B	ND	A01,Z1	1
2,2-Dichloropropane	ND	ug/L	5.0	1.3	EPA-8260B	ND	A01,Z1	1
1,1-Dichloropropene	ND	ug/L	5.0	0.85	EPA-8260B	ND	A01,Z1	1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.4	EPA-8260B	ND	A01,Z1	1
trans-1,3-Dichloropropene	ND	ug/L	5.0	0.79	EPA-8260B	ND	A01,Z1	1
Ethylbenzene	ND	ug/L	5.0	0.98	EPA-8260B	ND	A01,Z1	1
Hexachlorobutadiene	ND	ug/L	5.0	1.7	EPA-8260B	ND	A01,Z1	1
Isopropylbenzene	ND	ug/L	5.0	1.4	EPA-8260B	ND	A01,Z1	1
p-Isopropyltoluene	ND	ug/L	5.0	1.2	EPA-8260B	ND	A01,Z1	1
Methylene chloride	ND	ug/L	10	4.8	EPA-8260B	ND	A01,Z1	1
Methyl t-butyl ether	ND	ug/L	5.0	1.1	EPA-8260B	ND	A01,Z1	1
Naphthalene	ND	ug/L	5.0	3.6	EPA-8260B	ND	A01,Z1	1
n-Propylbenzene	ND	ug/L	5.0	1.1	EPA-8260B	ND	A01,Z1	1
Styrene	ND	ug/L	5.0	0.68	EPA-8260B	ND	A01,Z1	1
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1.8	EPA-8260B	ND	A01,Z1	1
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.7	EPA-8260B	ND	A01,Z1	1
Tetrachloroethene	ND	ug/L	5.0	1.3	EPA-8260B	ND	A01,Z1	1
Toluene	ND	ug/L	5.0	0.93	EPA-8260B	ND	A01,Z1	1
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1.6	EPA-8260B	ND	A01,Z1	1
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1.9	EPA-8260B	ND	A01,Z1	1
1,1,1-Trichloroethane	ND	ug/L	5.0	1.1	EPA-8260B	ND	A01,Z1	1
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	EPA-8260B	ND	A01,Z1	1
Trichloroethene	ND	ug/L	5.0	0.85	EPA-8260B	ND	A01,Z1	1
Trichlorofluoromethane	ND	ug/L	5.0	1.3	EPA-8260B	ND	A01,Z1	1
1,2,3-Trichloropropane	ND	ug/L	10	2.4	EPA-8260B	ND	A01,Z1	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	5.0	1.5	EPA-8260B	ND	A01,Z1	1
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1.2	EPA-8260B	ND	A01,Z1	1
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1.2	EPA-8260B	ND	A01,Z1	1
Vinyl chloride	ND	ug/L	5.0	1.2	EPA-8260B	ND	A01,Z1	1
Total Xylenes	ND	ug/L	10	3.6	EPA-8260B	ND	A01,Z1	1
p- & m-Xylenes	ND	ug/L	5.0	2.8	EPA-8260B	ND	A01,Z1	1
o-Xylene	ND	ug/L	5.0	0.82	EPA-8260B	ND	A01,Z1	1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	04/27/20 08:00	04/28/20 15:59	RCC	MS-V14	10	B076473	EPA 5030 Water MS

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Acenaphthylene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Aldrin	ND	ug/L	2.2	0.26	EPA-8270C	ND		1
Aniline	ND	ug/L	5.6	0.31	EPA-8270C	ND		1
Anthracene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Benzidine	ND	ug/L	22	1.8	EPA-8270C	ND		1
Benzo[a]anthracene	ND	ug/L	2.2	0.23	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	ug/L	2.2	0.27	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	ug/L	2.2	0.33	EPA-8270C	ND		1
Benzo[a]pyrene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	ug/L	2.2	0.37	EPA-8270C	ND		1
Benzoic acid	ND	ug/L	11	0.58	EPA-8270C	ND		1
Benzyl alcohol	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
alpha-BHC	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
beta-BHC	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
delta-BHC	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	ug/L	2.2	0.35	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.5	0.22	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
4-Chloroaniline	ND	ug/L	2.2	1.2	EPA-8270C	ND		1
2-Chloronaphthalene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Chrysene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
4,4'-DDD	ND	ug/L	2.2	0.29	EPA-8270C	ND		1
4,4'-DDE	ND	ug/L	3.3	0.27	EPA-8270C	ND		1
4,4'-DDT	ND	ug/L	2.2	0.25	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	ug/L	3.3	0.38	EPA-8270C	ND		1
Dibenzofuran	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	ug/L	2.2	0.30	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	ug/L	11	0.59	EPA-8270C	ND		1
Dieldrin	ND	ug/L	3.3	0.43	EPA-8270C	ND		1
Diethyl phthalate	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Dimethyl phthalate	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	ug/L	2.2	0.45	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	ug/L	2.2	0.23	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Endosulfan I	ND	ug/L	11	0.35	EPA-8270C	ND		1
Endosulfan II	ND	ug/L	11	0.33	EPA-8270C	ND		1
Endosulfan sulfate	ND	ug/L	3.3	0.26	EPA-8270C	ND		1
Endrin	ND	ug/L	2.2	0.42	EPA-8270C	ND		1
Endrin aldehyde	ND	ug/L	11	0.49	EPA-8270C	ND		1
Fluoranthene	ND	ug/L	2.2	0.31	EPA-8270C	ND		1
Fluorene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Heptachlor	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Heptachlor epoxide	ND	ug/L	2.2	0.29	EPA-8270C	ND		1
Hexachlorobenzene	ND	ug/L	2.2	0.28	EPA-8270C	ND		1
Hexachlorobutadiene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	ug/L	2.2	0.35	EPA-8270C	ND		1
Hexachloroethane	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.2	0.32	EPA-8270C	ND		1
Isophorone	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
2-Methylnaphthalene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Naphthalene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
2-Naphthylamine	ND	ug/L	22	1.4	EPA-8270C	ND		1
2-Nitroaniline	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
3-Nitroaniline	ND	ug/L	2.2	0.25	EPA-8270C	ND		1
4-Nitroaniline	ND	ug/L	5.6	0.42	EPA-8270C	ND		1
Nitrobenzene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	ug/L	2.2	1.3	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	ug/L	2.2	0.23	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Phenanthrene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
Pyrene	ND	ug/L	2.2	0.25	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	ug/L	5.6	0.22	EPA-8270C	ND		1
2-Chlorophenol	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	ug/L	2.2	0.26	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	ug/L	11	0.27	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	ug/L	11	0.22	EPA-8270C	ND		1
2-Methylphenol	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	ug/L	2.2	0.45	EPA-8270C	ND		1
2-Nitrophenol	ND	ug/L	2.2	0.22	EPA-8270C	ND		1
4-Nitrophenol	ND	ug/L	2.2	0.33	EPA-8270C	ND		1
Pentachlorophenol	ND	ug/L	11	0.45	EPA-8270C	ND		1
Phenol	ND	ug/L	2.2	0.23	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	ug/L	5.6	0.22	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	ug/L	5.6	0.22	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	38.9	%	30 - 120 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	27.3	%	12 - 110 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	79.6	%	50 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	57.4	%	55 - 125 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	35.3	%	40 - 150 (LCL - UCL)		EPA-8270C		S09	1
p-Terphenyl-d14 (Surrogate)	39.2	%	40 - 150 (LCL - UCL)		EPA-8270C		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8270C	04/28/20 19:50	04/29/20 14:47	MK1	HPCHEM	1.115	B076677	EPA 3510C

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Petroleum Hydrocarbons

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	ug/L	500	200	EPA-8015B/FFP	ND		1
TPH - Aviation Gas	ND	ug/L	500	200	EPA-8015B/FFP	ND		1
TPH - Stoddard Solvent	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
TPH - Heavy Naptha	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
TPH - Gasoline	ND	ug/L	500	200	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	ug/L	200	130	EPA-8015B/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
TPH - Kerosene	ND	ug/L	200	57	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	**430**	**ug/L**	**200**	**38**	**EPA-8015B/FFP**	ND	**A52**	1
TPH - Fuel Oil #6	ND	ug/L	50	25	EPA-8015B/FFP	ND		1
TPH - Crude Oil	ND	ug/L	500	140	EPA-8015B/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	ND	ug/L	500	66	EPA-8015B/FFP	ND		1
TPH - WD-40	ND	ug/L	200	100	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	3.2	%	40 - 140 (LCL - UCL)		EPA-8015B/FFP		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	04/28/20 19:00	04/29/20 08:34	BUP	GC-13	1.042	B076817	EPA 3510C

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Metals Analysis

BCL Sample ID: 2012082-31 | **Client Sample Name:** Western Approach, KB-DRUMW, 4/22/2020 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	**0.48**	**ug/L**	**2.0**	**0.23**	**EPA-6020**	ND	**J**	1
Dissolved Arsenic	**10**	**ug/L**	**2.0**	**0.38**	**EPA-6020**	0.92		1
Dissolved Barium	**0.64**	**ug/L**	**1.0**	**0.066**	**EPA-6020**	ND	**J**	1
Dissolved Beryllium	ND	ug/L	1.0	0.050	EPA-6020	0.084		1
Dissolved Cadmium	**0.41**	**ug/L**	**1.0**	**0.034**	**EPA-6020**	ND	**J**	1
Dissolved Chromium	**93**	**ug/L**	**3.0**	**0.15**	**EPA-6020**	ND		1
Dissolved Cobalt	**2.6**	**ug/L**	**1.0**	**0.011**	**EPA-6020**	ND		1
Dissolved Copper	**9.2**	**ug/L**	**2.0**	**0.32**	**EPA-6020**	ND		1
Dissolved Lead	**0.36**	**ug/L**	**1.0**	**0.021**	**EPA-6020**	ND	**J**	1
Dissolved Mercury	ND	ug/L	0.20	0.022	EPA-7470A	ND		2
Dissolved Molybdenum	**320**	**ug/L**	**1.0**	**0.033**	**EPA-6020**	ND		1
Dissolved Nickel	**2.6**	**ug/L**	**2.0**	**0.15**	**EPA-6020**	ND		1
Dissolved Selenium	**2.9**	**ug/L**	**2.0**	**0.25**	**EPA-6020**	ND		1
Dissolved Silver	ND	ug/L	1.0	0.015	EPA-6020	ND		1
Dissolved Thallium	ND	ug/L	1.0	0.025	EPA-6020	ND		1
Dissolved Vanadium	**11**	**ug/L**	**3.0**	**0.39**	**EPA-6020**	1.0		1
Dissolved Zinc	**5.3**	**ug/L**	**5.0**	**2.2**	**EPA-6020**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 13:54	04/27/20 21:25	AS1	PE-EL2	1	B076543	EPA 3005A
2	EPA-7470A	04/27/20 10:00	04/28/20 09:56	TMT	CETAC3	1	B076496	EPA 7470A

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-32 | **Client Sample Name:** Western Approach, KB-23-0, 4/22/2020 10:24:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**11**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:40	AS1	PE-EL2	0.971	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

BCL Sample ID: 2012082-33 | **Client Sample Name:** Western Approach, KB-23-1.5, 4/22/2020 10:35:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Lead	**30**	**mg/kg**	**0.25**	**0.12**	**EPA-6020**	1000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6020	04/24/20 11:00	04/25/20 01:42	AS1	PE-EL2	0.909	B076311	EPA 3050B

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076473						
Benzene	B076473-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	B076473-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	B076473-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	B076473-BLK1	ND	ug/L	0.50	0.14	
Bromoform	B076473-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	B076473-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	B076473-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	B076473-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	B076473-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	B076473-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	B076473-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	B076473-BLK1	ND	ug/L	0.50	0.14	
Chloroform	B076473-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	B076473-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	B076473-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	B076473-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	B076473-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	B076473-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	B076473-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	B076473-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	B076473-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	B076473-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	B076473-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	B076473-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	B076473-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	B076473-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	B076473-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	B076473-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	B076473-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	B076473-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	B076473-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	B076473-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	B076473-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	B076473-BLK1	ND	ug/L	0.50	0.14	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076473						
trans-1,3-Dichloropropene	B076473-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	B076473-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	B076473-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	B076473-BLK1	ND	ug/L	0.50	0.14	
p-Isopropyltoluene	B076473-BLK1	ND	ug/L	0.50	0.12	
Methylene chloride	B076473-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	B076473-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	B076473-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	B076473-BLK1	ND	ug/L	0.50	0.11	
Styrene	B076473-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	B076473-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	B076473-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	B076473-BLK1	ND	ug/L	0.50	0.13	
Toluene	B076473-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	B076473-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	B076473-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	B076473-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	B076473-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	B076473-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	B076473-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	B076473-BLK1	ND	ug/L	1.0	0.24	
1,1,2-Trichloro-1,2,2-trifluoroethane	B076473-BLK1	ND	ug/L	0.50	0.15	
1,2,4-Trimethylbenzene	B076473-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	B076473-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	B076473-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	B076473-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	B076473-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	B076473-BLK1	ND	ug/L	0.50	0.082	
1,2-Dichloroethane-d4 (Surrogate)	**B076473-BLK1**	**102**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B076473-BLK1**	**101**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B076473-BLK1**	**98.6**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: B076810						
Benzene	B076810-BLK1	ND	mg/kg	0.0050	0.0018	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076810						
Bromobenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
Bromochloromethane	B076810-BLK1	ND	mg/kg	0.0050	0.0014	
Bromodichloromethane	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
Bromoform	B076810-BLK1	ND	mg/kg	0.0050	0.0023	
Bromomethane	B076810-BLK1	ND	mg/kg	0.0050	0.0024	
n-Butylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
sec-Butylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
tert-Butylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0024	
Carbon tetrachloride	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
Chlorobenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
Chloroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
Chloroform	B076810-BLK1	ND	mg/kg	0.0050	0.0017	
Chloromethane	B076810-BLK1	ND	mg/kg	0.0050	0.0017	
2-Chlorotoluene	B076810-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
Dibromochloromethane	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,2-Dibromo-3-chloropropane	B076810-BLK1	ND	mg/kg	0.0050	0.0023	
1,2-Dibromoethane	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
Dibromomethane	B076810-BLK1	ND	mg/kg	0.0050	0.0016	
1,2-Dichlorobenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0023	
1,3-Dichlorobenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,4-Dichlorobenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0023	
Dichlorodifluoromethane	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,1-Dichloroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
1,2-Dichloroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0017	
1,1-Dichloroethene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
cis-1,2-Dichloroethene	B076810-BLK1	ND	mg/kg	0.0050	0.0018	
trans-1,2-Dichloroethene	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
1,2-Dichloropropane	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
1,3-Dichloropropane	B076810-BLK1	ND	mg/kg	0.0050	0.0022	
2,2-Dichloropropane	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,1-Dichloropropene	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
cis-1,3-Dichloropropene	B076810-BLK1	ND	mg/kg	0.0050	0.0017	
trans-1,3-Dichloropropene	B076810-BLK1	ND	mg/kg	0.0050	0.0018	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076810						
Ethylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0022	
Hexachlorobutadiene	B076810-BLK1	ND	mg/kg	0.0050	0.0031	
Isopropylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
p-Isopropyltoluene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
Methylene chloride	B076810-BLK1	ND	mg/kg	0.010	0.0015	
Methyl t-butyl ether	B076810-BLK1	ND	mg/kg	0.0050	0.0017	
Naphthalene	B076810-BLK1	ND	mg/kg	0.0050	0.0023	
n-Propylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
Styrene	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1,2-Tetrachloroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,2,2-Tetrachloroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0022	
Tetrachloroethene	B076810-BLK1	ND	mg/kg	0.0050	0.0022	
Toluene	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,2,3-Trichlorobenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0026	
1,2,4-Trichlorobenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0027	
1,1,1-Trichloroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,2-Trichloroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
Trichloroethene	B076810-BLK1	ND	mg/kg	0.0050	0.0022	
Trichlorofluoromethane	B076810-BLK1	ND	mg/kg	0.0050	0.0023	
1,2,3-Trichloropropane	B076810-BLK1	ND	mg/kg	0.0050	0.0023	
1,1,2-Trichloro-1,2,2-trifluoroethane	B076810-BLK1	ND	mg/kg	0.0050	0.0020	
1,2,4-Trimethylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
1,3,5-Trimethylbenzene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
Vinyl chloride	B076810-BLK1	ND	mg/kg	0.0050	0.0019	
Total Xylenes	B076810-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	B076810-BLK1	ND	mg/kg	0.0050	0.0038	
o-Xylene	B076810-BLK1	ND	mg/kg	0.0050	0.0021	
1,2-Dichloroethane-d4 (Surrogate)	**B076810-BLK1**	**103**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B076810-BLK1**	**99.3**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B076810-BLK1**	**101**	%	**74 - 121 (LCL - UCL)**		

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Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B076473										
Benzene	B076473-BS1	LCS	21.998	25.000	ug/L	88.0		70 - 130		
Bromodichloromethane	B076473-BS1	LCS	23.654	25.000	ug/L	94.6		70 - 130		
Chlorobenzene	B076473-BS1	LCS	20.024	25.000	ug/L	80.1		70 - 130		
Chloroethane	B076473-BS1	LCS	22.613	25.000	ug/L	90.5		70 - 130		
1,4-Dichlorobenzene	B076473-BS1	LCS	19.398	25.000	ug/L	77.6		70 - 130		
1,1-Dichloroethane	B076473-BS1	LCS	20.936	25.000	ug/L	83.7		70 - 130		
1,1-Dichloroethene	B076473-BS1	LCS	23.677	25.000	ug/L	94.7		70 - 130		
Toluene	B076473-BS1	LCS	21.048	25.000	ug/L	84.2		70 - 130		
Trichloroethene	B076473-BS1	LCS	21.394	25.000	ug/L	85.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B076473-BS1	LCS	10.150	10.000	ug/L	102		75 - 125		
Toluene-d8 (Surrogate)	B076473-BS1	LCS	10.210	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	B076473-BS1	LCS	9.9800	10.000	ug/L	99.8		80 - 120		
QC Batch ID: B076810										
Benzene	B076810-BS1	LCS	0.11670	0.12500	mg/kg	93.4		70 - 130		
Bromodichloromethane	B076810-BS1	LCS	0.11595	0.12500	mg/kg	92.8		70 - 130		
Chlorobenzene	B076810-BS1	LCS	0.11425	0.12500	mg/kg	91.4		70 - 130		
Chloroethane	B076810-BS1	LCS	0.12431	0.12500	mg/kg	99.4		70 - 130		
1,4-Dichlorobenzene	B076810-BS1	LCS	0.11630	0.12500	mg/kg	93.0		70 - 130		
1,1-Dichloroethane	B076810-BS1	LCS	0.10898	0.12500	mg/kg	87.2		70 - 130		
1,1-Dichloroethene	B076810-BS1	LCS	0.10655	0.12500	mg/kg	85.2		70 - 130		
Toluene	B076810-BS1	LCS	0.11600	0.12500	mg/kg	92.8		70 - 130		
Trichloroethene	B076810-BS1	LCS	0.11210	0.12500	mg/kg	89.7		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B076810-BS1	LCS	0.051540	0.050000	mg/kg	103		70 - 121		
Toluene-d8 (Surrogate)	B076810-BS1	LCS	0.051700	0.050000	mg/kg	103		81 - 117		
4-Bromofluorobenzene (Surrogate)	B076810-BS1	LCS	0.049250	0.050000	mg/kg	98.5		74 - 121		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076473	Used client sample: N										
Benzene	MS	**2012059-15**	**151.99**	**148.82**	**25.000**	**ug/L**		**-12.7**		**70 - 130**	**A03,Q03**
	MSD	**2012059-15**	**151.99**	**172.61**	**25.000**	**ug/L**	**14.8**	**82.5**	**20**	**70 - 130**	
Bromodichloromethane	MS	2012059-15	ND	23.866	25.000	ug/L		95.5		70 - 130	
	MSD	2012059-15	ND	26.263	25.000	ug/L	9.6	105	20	70 - 130	
Chlorobenzene	MS	2012059-15	ND	19.294	25.000	ug/L		77.2		70 - 130	
	MSD	2012059-15	ND	22.258	25.000	ug/L	14.3	89.0	20	70 - 130	
Chloroethane	MS	2012059-15	ND	22.669	25.000	ug/L		90.7		70 - 130	
	MSD	2012059-15	ND	25.573	25.000	ug/L	12.0	102	20	70 - 130	
1,4-Dichlorobenzene	MS	2012059-15	ND	18.783	25.000	ug/L		75.1		70 - 130	
	MSD	2012059-15	ND	21.416	25.000	ug/L	13.1	85.7	20	70 - 130	
1,1-Dichloroethane	MS	2012059-15	ND	22.115	25.000	ug/L		88.5		70 - 130	
	MSD	2012059-15	ND	25.344	25.000	ug/L	13.6	101	20	70 - 130	
1,1-Dichloroethene	MS	2012059-15	ND	22.097	25.000	ug/L		88.4		70 - 130	
	MSD	2012059-15	ND	25.478	25.000	ug/L	14.2	102	20	70 - 130	
Toluene	MS	**2012059-15**	**44.748**	**60.320**	**25.000**	**ug/L**		**62.3**		**70 - 130**	**Q03**
	MSD	**2012059-15**	**44.748**	**70.454**	**25.000**	**ug/L**	**15.5**	**103**	**20**	**70 - 130**	
Trichloroethene	MS	2012059-15	ND	20.073	25.000	ug/L		80.3		70 - 130	
	MSD	2012059-15	ND	23.348	25.000	ug/L	15.1	93.4	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	2012059-15	ND	9.6800	10.000	ug/L		96.8		75 - 125	
	MSD	2012059-15	ND	9.5800	10.000	ug/L	1.0	95.8		75 - 125	
Toluene-d8 (Surrogate)	MS	2012059-15	ND	10.320	10.000	ug/L		103		80 - 120	
	MSD	2012059-15	ND	10.250	10.000	ug/L	0.7	102		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	2012059-15	ND	9.8800	10.000	ug/L		98.8		80 - 120	
	MSD	2012059-15	ND	9.9400	10.000	ug/L	0.6	99.4		80 - 120	
QC Batch ID: B076810	Used client sample: N										
Benzene	MS	2009671-66	ND	0.11548	0.12500	mg/kg		92.4		70 - 130	
	MSD	2009671-66	ND	0.12350	0.12500	mg/kg	6.7	98.8	20	70 - 130	
Bromodichloromethane	MS	2009671-66	ND	0.11574	0.12500	mg/kg		92.6		70 - 130	
	MSD	2009671-66	ND	0.12379	0.12500	mg/kg	6.7	99.0	20	70 - 130	
Chlorobenzene	MS	2009671-66	ND	0.11248	0.12500	mg/kg		90.0		70 - 130	
	MSD	2009671-66	ND	0.12192	0.12500	mg/kg	8.1	97.5	20	70 - 130	
Chloroethane	MS	**2009671-66**	**ND**	**0.13023**	**0.12500**	**mg/kg**		**104**		**70 - 130**	
	MSD	**2009671-66**	**ND**	**0.086060**	**0.12500**	**mg/kg**	**40.8**	**68.8**	**20**	**70 - 130**	**Q02,Q03**
1,4-Dichlorobenzene	MS	2009671-66	ND	0.11523	0.12500	mg/kg		92.2		70 - 130	
	MSD	2009671-66	ND	0.12097	0.12500	mg/kg	4.9	96.8	20	70 - 130	

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Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076810	Used client sample: N										
1,1-Dichloroethane	MS	2009671-66	ND	0.10827	0.12500	mg/kg		86.6		70 - 130	
	MSD	2009671-66	ND	0.11892	0.12500	mg/kg	9.4	95.1	20	70 - 130	
1,1-Dichloroethene	MS	2009671-66	ND	0.11393	0.12500	mg/kg		91.1		70 - 130	
	MSD	2009671-66	ND	0.12034	0.12500	mg/kg	5.5	96.3	20	70 - 130	
Toluene	MS	2009671-66	ND	0.11247	0.12500	mg/kg		90.0		70 - 130	
	MSD	2009671-66	ND	0.12243	0.12500	mg/kg	8.5	97.9	20	70 - 130	
Trichloroethene	MS	2009671-66	ND	0.11095	0.12500	mg/kg		88.8		70 - 130	
	MSD	2009671-66	ND	0.12011	0.12500	mg/kg	7.9	96.1	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	2009671-66	ND	0.052090	0.050000	mg/kg		104		70 - 121	
	MSD	2009671-66	ND	0.050430	0.050000	mg/kg	3.2	101		70 - 121	
Toluene-d8 (Surrogate)	MS	2009671-66	ND	0.049950	0.050000	mg/kg		99.9		81 - 117	
	MSD	2009671-66	ND	0.049310	0.050000	mg/kg	1.3	98.6		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	2009671-66	ND	0.047730	0.050000	mg/kg		95.5		74 - 121	
	MSD	2009671-66	ND	0.047070	0.050000	mg/kg	1.4	94.1		74 - 121	

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Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076677						
Acenaphthene	B076677-BLK1	ND	ug/L	2.0	0.20	
Acenaphthylene	B076677-BLK1	ND	ug/L	2.0	0.20	
Aldrin	B076677-BLK1	ND	ug/L	2.0	0.23	
Aniline	B076677-BLK1	ND	ug/L	5.0	0.28	
Anthracene	B076677-BLK1	ND	ug/L	2.0	0.20	
Benzidine	B076677-BLK1	ND	ug/L	20	1.6	
Benzo[a]anthracene	B076677-BLK1	ND	ug/L	2.0	0.21	
Benzo[b]fluoranthene	B076677-BLK1	ND	ug/L	2.0	0.24	
Benzo[k]fluoranthene	B076677-BLK1	ND	ug/L	2.0	0.30	
Benzo[a]pyrene	B076677-BLK1	ND	ug/L	2.0	0.20	
Benzo[g,h,i]perylene	B076677-BLK1	ND	ug/L	2.0	0.33	
Benzoic acid	B076677-BLK1	ND	ug/L	10	0.52	
Benzyl alcohol	B076677-BLK1	ND	ug/L	2.0	0.20	
Benzyl butyl phthalate	B076677-BLK1	ND	ug/L	2.0	0.20	
alpha-BHC	B076677-BLK1	ND	ug/L	2.0	0.20	
beta-BHC	B076677-BLK1	ND	ug/L	2.0	0.20	
delta-BHC	B076677-BLK1	ND	ug/L	2.0	0.20	
gamma-BHC (Lindane)	B076677-BLK1	ND	ug/L	2.0	0.20	
bis(2-Chloroethoxy)methane	B076677-BLK1	ND	ug/L	2.0	0.20	
bis(2-Chloroethyl) ether	B076677-BLK1	ND	ug/L	2.0	0.31	
bis(2-Chloroisopropyl)ether	B076677-BLK1	ND	ug/L	2.0	0.20	
bis(2-Ethylhexyl)phthalate	B076677-BLK1	ND	ug/L	4.0	0.20	
4-Bromophenyl phenyl ether	B076677-BLK1	ND	ug/L	2.0	0.20	
4-Chloroaniline	B076677-BLK1	ND	ug/L	2.0	1.1	
2-Chloronaphthalene	B076677-BLK1	ND	ug/L	2.0	0.20	
4-Chlorophenyl phenyl ether	B076677-BLK1	ND	ug/L	2.0	0.20	
Chrysene	B076677-BLK1	ND	ug/L	2.0	0.20	
4,4'-DDD	B076677-BLK1	ND	ug/L	2.0	0.26	
4,4'-DDE	B076677-BLK1	ND	ug/L	3.0	0.24	
4,4'-DDT	B076677-BLK1	ND	ug/L	2.0	0.22	
Dibenzo[a,h]anthracene	B076677-BLK1	ND	ug/L	3.0	0.34	
Dibenzofuran	B076677-BLK1	ND	ug/L	2.0	0.20	
1,2-Dichlorobenzene	B076677-BLK1	ND	ug/L	2.0	0.20	
1,3-Dichlorobenzene	B076677-BLK1	ND	ug/L	2.0	0.20	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076677						
1,4-Dichlorobenzene	B076677-BLK1	ND	ug/L	2.0	0.27	
3,3-Dichlorobenzidine	B076677-BLK1	ND	ug/L	10	0.53	
Dieldrin	B076677-BLK1	ND	ug/L	3.0	0.39	
Diethyl phthalate	B076677-BLK1	ND	ug/L	2.0	0.20	
Dimethyl phthalate	B076677-BLK1	ND	ug/L	2.0	0.20	
Di-n-butyl phthalate	B076677-BLK1	ND	ug/L	2.0	0.20	
2,4-Dinitrotoluene	B076677-BLK1	ND	ug/L	2.0	0.40	
2,6-Dinitrotoluene	B076677-BLK1	ND	ug/L	2.0	0.20	
Di-n-octyl phthalate	B076677-BLK1	ND	ug/L	2.0	0.21	
1,2-Diphenylhydrazine	B076677-BLK1	ND	ug/L	2.0	0.20	
Endosulfan I	B076677-BLK1	ND	ug/L	10	0.31	
Endosulfan II	B076677-BLK1	ND	ug/L	10	0.30	
Endosulfan sulfate	B076677-BLK1	ND	ug/L	3.0	0.23	
Endrin	B076677-BLK1	ND	ug/L	2.0	0.38	
Endrin aldehyde	B076677-BLK1	ND	ug/L	10	0.44	
Fluoranthene	B076677-BLK1	ND	ug/L	2.0	0.28	
Fluorene	B076677-BLK1	ND	ug/L	2.0	0.20	
Heptachlor	B076677-BLK1	ND	ug/L	2.0	0.20	
Heptachlor epoxide	B076677-BLK1	ND	ug/L	2.0	0.26	
Hexachlorobenzene	B076677-BLK1	ND	ug/L	2.0	0.25	
Hexachlorobutadiene	B076677-BLK1	ND	ug/L	2.0	0.20	
Hexachlorocyclopentadiene	B076677-BLK1	ND	ug/L	2.0	0.31	
Hexachloroethane	B076677-BLK1	ND	ug/L	2.0	0.20	
Indeno[1,2,3-cd]pyrene	B076677-BLK1	ND	ug/L	2.0	0.29	
Isophorone	B076677-BLK1	ND	ug/L	2.0	0.20	
2-Methylnaphthalene	B076677-BLK1	ND	ug/L	2.0	0.20	
Naphthalene	B076677-BLK1	ND	ug/L	2.0	0.20	
2-Naphthylamine	B076677-BLK1	ND	ug/L	20	1.3	
2-Nitroaniline	B076677-BLK1	ND	ug/L	2.0	0.20	
3-Nitroaniline	B076677-BLK1	ND	ug/L	2.0	0.22	
4-Nitroaniline	B076677-BLK1	ND	ug/L	5.0	0.38	
Nitrobenzene	B076677-BLK1	ND	ug/L	2.0	0.20	
N-Nitrosodimethylamine	B076677-BLK1	ND	ug/L	2.0	1.2	
N-Nitrosodi-N-propylamine	B076677-BLK1	ND	ug/L	2.0	0.21	

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Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076677						
N-Nitrosodiphenylamine	B076677-BLK1	ND	ug/L	2.0	0.20	
Phenanthrene	B076677-BLK1	ND	ug/L	2.0	0.20	
Pyrene	B076677-BLK1	ND	ug/L	2.0	0.22	
1,2,4-Trichlorobenzene	B076677-BLK1	ND	ug/L	2.0	0.20	
4-Chloro-3-methylphenol	B076677-BLK1	ND	ug/L	5.0	0.20	
2-Chlorophenol	B076677-BLK1	ND	ug/L	2.0	0.20	
2,4-Dichlorophenol	B076677-BLK1	ND	ug/L	2.0	0.23	
2,4-Dimethylphenol	B076677-BLK1	ND	ug/L	2.0	0.20	
4,6-Dinitro-2-methylphenol	B076677-BLK1	ND	ug/L	10	0.24	
2,4-Dinitrophenol	B076677-BLK1	ND	ug/L	10	0.20	
2-Methylphenol	B076677-BLK1	ND	ug/L	2.0	0.20	
3- & 4-Methylphenol	B076677-BLK1	ND	ug/L	2.0	0.40	
2-Nitrophenol	B076677-BLK1	ND	ug/L	2.0	0.20	
4-Nitrophenol	B076677-BLK1	ND	ug/L	2.0	0.30	
Pentachlorophenol	B076677-BLK1	ND	ug/L	10	0.40	
Phenol	B076677-BLK1	ND	ug/L	2.0	0.21	
2,4,5-Trichlorophenol	B076677-BLK1	ND	ug/L	5.0	0.20	
2,4,6-Trichlorophenol	B076677-BLK1	ND	ug/L	5.0	0.20	
2-Fluorophenol (Surrogate)	**B076677-BLK1**	**23.6**	%	**30 - 120 (LCL - UCL)**		**S09**
Phenol-d5 (Surrogate)	**B076677-BLK1**	**24.9**	%	**12 - 110 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**B076677-BLK1**	**82.6**	%	**50 - 130 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**B076677-BLK1**	**61.6**	%	**55 - 125 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**B076677-BLK1**	**55.4**	%	**40 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**B076677-BLK1**	**55.4**	%	**40 - 150 (LCL - UCL)**		
QC Batch ID: B076721						
Acenaphthene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Acenaphthylene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Aldrin	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Aniline	B076721-BLK1	ND	mg/kg	0.20	0.011	
Anthracene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Benzidine	B076721-BLK1	ND	mg/kg	3.0	0.0093	
Benzo[a]anthracene	B076721-BLK1	ND	mg/kg	0.10	0.0077	
Benzo[b]fluoranthene	B076721-BLK1	ND	mg/kg	0.10	0.0067	

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Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076721						
Benzo[k]fluoranthene	B076721-BLK1	ND	mg/kg	0.10	0.0082	
Benzo[a]pyrene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Benzo[g,h,i]perylene	B076721-BLK1	ND	mg/kg	0.10	0.013	
Benzoic acid	B076721-BLK1	ND	mg/kg	0.50	0.014	
Benzyl alcohol	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Benzyl butyl phthalate	B076721-BLK1	ND	mg/kg	0.10	0.0067	
alpha-BHC	B076721-BLK1	ND	mg/kg	0.10	0.0067	
beta-BHC	B076721-BLK1	ND	mg/kg	0.10	0.0075	
delta-BHC	B076721-BLK1	ND	mg/kg	0.10	0.0067	
gamma-BHC (Lindane)	B076721-BLK1	ND	mg/kg	0.10	0.0067	
bis(2-Chloroethoxy)methane	B076721-BLK1	ND	mg/kg	0.10	0.0067	
bis(2-Chloroethyl) ether	B076721-BLK1	ND	mg/kg	0.10	0.0097	
bis(2-Chloroisopropyl)ether	B076721-BLK1	ND	mg/kg	0.10	0.0067	
bis(2-Ethylhexyl)phthalate	B076721-BLK1	ND	mg/kg	0.20	0.0067	
4-Bromophenyl phenyl ether	B076721-BLK1	ND	mg/kg	0.10	0.0067	
4-Chloroaniline	B076721-BLK1	ND	mg/kg	0.10	0.015	
2-Chloronaphthalene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
4-Chlorophenyl phenyl ether	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Chrysene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
4,4'-DDD	B076721-BLK1	ND	mg/kg	0.10	0.0067	
4,4'-DDE	B076721-BLK1	ND	mg/kg	0.10	0.0068	
4,4'-DDT	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Dibenzo[a,h]anthracene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Dibenzofuran	B076721-BLK1	ND	mg/kg	0.10	0.0067	
1,2-Dichlorobenzene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
1,3-Dichlorobenzene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
1,4-Dichlorobenzene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
3,3-Dichlorobenzidine	B076721-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	B076721-BLK1	ND	mg/kg	0.10	0.0077	
Diethyl phthalate	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Dimethyl phthalate	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Di-n-butyl phthalate	B076721-BLK1	ND	mg/kg	0.10	0.0067	
2,4-Dinitrotoluene	B076721-BLK1	ND	mg/kg	0.10	0.0085	
2,6-Dinitrotoluene	B076721-BLK1	ND	mg/kg	0.10	0.0067	

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Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076721						
Di-n-octyl phthalate	B076721-BLK1	ND	mg/kg	0.10	0.0067	
1,2-Diphenylhydrazine	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Endosulfan I	B076721-BLK1	ND	mg/kg	0.20	0.0088	
Endosulfan II	B076721-BLK1	ND	mg/kg	0.20	0.0088	
Endosulfan sulfate	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Endrin	B076721-BLK1	ND	mg/kg	0.20	0.0086	
Endrin aldehyde	B076721-BLK1	ND	mg/kg	0.50	0.0070	
Fluoranthene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Fluorene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Heptachlor	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Heptachlor epoxide	B076721-BLK1	ND	mg/kg	0.10	0.013	
Hexachlorobenzene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Hexachlorobutadiene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Hexachlorocyclopentadiene	B076721-BLK1	ND	mg/kg	0.10	0.015	
Hexachloroethane	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Indeno[1,2,3-cd]pyrene	B076721-BLK1	ND	mg/kg	0.10	0.0069	
Isophorone	B076721-BLK1	ND	mg/kg	0.10	0.0067	
2-Methylnaphthalene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Naphthalene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
2-Naphthylamine	B076721-BLK1	ND	mg/kg	3.0	0.036	
2-Nitroaniline	B076721-BLK1	ND	mg/kg	0.10	0.0067	
3-Nitroaniline	B076721-BLK1	ND	mg/kg	0.20	0.0067	
4-Nitroaniline	B076721-BLK1	ND	mg/kg	0.20	0.011	
Nitrobenzene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
N-Nitrosodimethylamine	B076721-BLK1	ND	mg/kg	0.10	0.040	
N-Nitrosodi-N-propylamine	B076721-BLK1	ND	mg/kg	0.10	0.0067	
N-Nitrosodiphenylamine	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Phenanthrene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
Pyrene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
1,2,4-Trichlorobenzene	B076721-BLK1	ND	mg/kg	0.10	0.0067	
4-Chloro-3-methylphenol	B076721-BLK1	ND	mg/kg	0.20	0.0067	
2-Chlorophenol	B076721-BLK1	ND	mg/kg	0.10	0.0067	
2,4-Dichlorophenol	B076721-BLK1	ND	mg/kg	0.10	0.0067	
2,4-Dimethylphenol	B076721-BLK1	ND	mg/kg	0.10	0.0067	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076721						
4,6-Dinitro-2-methylphenol	B076721-BLK1	ND	mg/kg	0.50	0.0067	
2,4-Dinitrophenol	B076721-BLK1	ND	mg/kg	0.50	0.0067	
2-Methylphenol	B076721-BLK1	ND	mg/kg	0.10	0.0067	
3- & 4-Methylphenol	B076721-BLK1	ND	mg/kg	0.20	0.014	
2-Nitrophenol	B076721-BLK1	ND	mg/kg	0.10	0.0067	
4-Nitrophenol	B076721-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	B076721-BLK1	ND	mg/kg	0.20	0.017	
Phenol	B076721-BLK1	ND	mg/kg	0.10	0.0067	
2,4,5-Trichlorophenol	B076721-BLK1	ND	mg/kg	0.20	0.011	
2,4,6-Trichlorophenol	B076721-BLK1	ND	mg/kg	0.20	0.0067	
2-Fluorophenol (Surrogate)	**B076721-BLK1**	**58.5**	%	**20 - 130 (LCL - UCL)**		
Phenol-d5 (Surrogate)	**B076721-BLK1**	**60.5**	%	**30 - 130 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**B076721-BLK1**	**66.2**	%	**30 - 130 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**B076721-BLK1**	**75.8**	%	**30 - 140 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**B076721-BLK1**	**67.3**	%	**20 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**B076721-BLK1**	**71.0**	%	**30 - 150 (LCL - UCL)**		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B076677										
Acenaphthene	B076677-BS1	LCS	39.821	50.000	ug/L	79.6		50 - 120		
1,4-Dichlorobenzene	B076677-BS1	LCS	39.763	50.000	ug/L	79.5		50 - 120		
2,4-Dinitrotoluene	B076677-BS1	LCS	45.571	50.000	ug/L	91.1		50 - 120		
Hexachlorobenzene	B076677-BS1	LCS	47.837	50.000	ug/L	95.7		60 - 120		
Hexachlorobutadiene	B076677-BS1	LCS	26.294	50.000	ug/L	52.6		40 - 110		
Hexachloroethane	B076677-BS1	LCS	35.347	50.000	ug/L	70.7		40 - 120		
Nitrobenzene	B076677-BS1	LCS	63.917	50.000	ug/L	128		50 - 120		L01
N-Nitrosodi-N-propylamine	B076677-BS1	LCS	51.571	50.000	ug/L	103		50 - 120		
Pyrene	B076677-BS1	LCS	37.382	50.000	ug/L	74.8		40 - 140		
1,2,4-Trichlorobenzene	B076677-BS1	LCS	35.155	50.000	ug/L	70.3		45 - 120		
4-Chloro-3-methylphenol	B076677-BS1	LCS	34.320	50.000	ug/L	68.6		50 - 120		
2-Chlorophenol	B076677-BS1	LCS	29.952	50.000	ug/L	59.9		50 - 120		
2-Methylphenol	B076677-BS1	LCS	32.496	50.000	ug/L	65.0		40 - 110		
3- & 4-Methylphenol	B076677-BS1	LCS	61.814	100.00	ug/L	61.8		40 - 110		
4-Nitrophenol	B076677-BS1	LCS	11.395	50.000	ug/L	22.8		10 - 110		
Pentachlorophenol	B076677-BS1	LCS	32.064	50.000	ug/L	64.1		30 - 130		
Phenol	B076677-BS1	LCS	16.368	50.000	ug/L	32.7		20 - 110		
2,4,6-Trichlorophenol	B076677-BS1	LCS	37.834	50.000	ug/L	75.7		54 - 120		
2-Fluorophenol (Surrogate)	B076677-BS1	LCS	10.454	40.000	ug/L	26.1		30 - 120		S09
Phenol-d5 (Surrogate)	B076677-BS1	LCS	13.056	40.000	ug/L	32.6		12 - 110		
Nitrobenzene-d5 (Surrogate)	B076677-BS1	LCS	38.784	40.000	ug/L	97.0		50 - 130		
2-Fluorobiphenyl (Surrogate)	B076677-BS1	LCS	29.616	40.000	ug/L	74.0		55 - 125		
2,4,6-Tribromophenol (Surrogate)	B076677-BS1	LCS	27.322	40.000	ug/L	68.3		40 - 150		
p-Terphenyl-d14 (Surrogate)	B076677-BS1	LCS	14.093	20.000	ug/L	70.5		40 - 150		
QC Batch ID: B076721										
Acenaphthene	B076721-BS1	LCS	1.2241	1.6892	mg/kg	72.5		50 - 130		
1,4-Dichlorobenzene	B076721-BS1	LCS	1.2931	1.6892	mg/kg	76.6		50 - 130		
2,4-Dinitrotoluene	B076721-BS1	LCS	1.5614	1.6892	mg/kg	92.4		50 - 130		
Hexachlorobenzene	B076721-BS1	LCS	1.7825	1.6892	mg/kg	106		40 - 130		
Hexachlorobutadiene	B076721-BS1	LCS	1.3900	1.6892	mg/kg	82.3		50 - 130		
Hexachloroethane	B076721-BS1	LCS	1.3631	1.6892	mg/kg	80.7		50 - 130		
Nitrobenzene	B076721-BS1	LCS	1.3233	1.6892	mg/kg	78.3		50 - 130		
N-Nitrosodi-N-propylamine	B076721-BS1	LCS	1.0251	1.6892	mg/kg	60.7		40 - 120		

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B076721										
Pyrene	B076721-BS1	LCS	1.1609	1.6892	mg/kg	68.7		40 - 150		
1,2,4-Trichlorobenzene	B076721-BS1	LCS	1.4356	1.6892	mg/kg	85.0		50 - 120		
4-Chloro-3-methylphenol	B076721-BS1	LCS	1.1284	1.6892	mg/kg	66.8		50 - 130		
2-Chlorophenol	B076721-BS1	LCS	0.92400	1.6892	mg/kg	54.7		50 - 130		
2-Methylphenol	B076721-BS1	LCS	1.0880	1.6892	mg/kg	64.4		50 - 130		
3- & 4-Methylphenol	B076721-BS1	LCS	2.0171	3.3784	mg/kg	59.7		50 - 130		
4-Nitrophenol	B076721-BS1	LCS	0.89993	1.6892	mg/kg	53.3		30 - 130		
Pentachlorophenol	B076721-BS1	LCS	0.82900	1.6892	mg/kg	49.1		20 - 130		
Phenol	B076721-BS1	LCS	0.98145	1.6892	mg/kg	58.1		40 - 120		
2,4,6-Trichlorophenol	B076721-BS1	LCS	1.2190	1.6892	mg/kg	72.2		50 - 130		
2-Fluorophenol (Surrogate)	B076721-BS1	LCS	0.77926	1.3514	mg/kg	57.7		20 - 130		
Phenol-d5 (Surrogate)	B076721-BS1	LCS	0.80172	1.3514	mg/kg	59.3		30 - 130		
Nitrobenzene-d5 (Surrogate)	B076721-BS1	LCS	0.88068	1.3514	mg/kg	65.2		30 - 130		
2-Fluorobiphenyl (Surrogate)	B076721-BS1	LCS	1.0164	1.3514	mg/kg	75.2		30 - 140		
2,4,6-Tribromophenol (Surrogate)	B076721-BS1	LCS	0.95931	1.3514	mg/kg	71.0		20 - 150		
p-Terphenyl-d14 (Surrogate)	B076721-BS1	LCS	0.45446	0.67568	mg/kg	67.3		30 - 150		

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Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076677	Used client sample: N										
Acenaphthene	MS	2009671-51	ND	34.827	50.000	ug/L		69.7		50 - 120	
	MSD	2009671-51	ND	39.014	50.000	ug/L	11.3	78.0	30	50 - 120	
1,4-Dichlorobenzene	MS	2009671-51	ND	33.070	50.000	ug/L		66.1		47 - 120	
	MSD	2009671-51	ND	40.258	50.000	ug/L	19.6	80.5	30	47 - 120	
2,4-Dinitrotoluene	MS	2009671-51	ND	38.560	50.000	ug/L		77.1		50 - 130	
	MSD	2009671-51	ND	46.570	50.000	ug/L	18.8	93.1	30	50 - 130	
Hexachlorobenzene	MS	2009671-51	ND	42.664	50.000	ug/L		85.3		50 - 120	
	MSD	2009671-51	ND	46.344	50.000	ug/L	8.3	92.7	30	50 - 120	
Hexachlorobutadiene	MS	2009671-51	ND	20.624	50.000	ug/L		41.2		40 - 110	
	MSD	2009671-51	ND	26.901	50.000	ug/L	26.4	53.8	30	40 - 110	
Hexachloroethane	MS	2009671-51	ND	27.958	50.000	ug/L		55.9		40 - 120	
	MSD	2009671-51	ND	36.603	50.000	ug/L	26.8	73.2	30	40 - 120	
Nitrobenzene	MS	**2009671-51**	**ND**	**54.464**	**50.000**	**ug/L**		**109**		**50 - 120**	
	MSD	**2009671-51**	**ND**	**62.730**	**50.000**	**ug/L**	**14.1**	**125**	**30**	**50 - 120**	**Q03**
N-Nitrosodi-N-propylamine	MS	2009671-51	ND	45.116	50.000	ug/L		90.2		50 - 120	
	MSD	2009671-51	ND	51.479	50.000	ug/L	13.2	103	30	50 - 120	
Pyrene	MS	2009671-51	ND	31.635	50.000	ug/L		63.3		40 - 140	
	MSD	2009671-51	ND	35.672	50.000	ug/L	12.0	71.3	30	40 - 140	
1,2,4-Trichlorobenzene	MS	2009671-51	ND	28.966	50.000	ug/L		57.9		43 - 120	
	MSD	2009671-51	ND	35.799	50.000	ug/L	21.1	71.6	30	43 - 120	
4-Chloro-3-methylphenol	MS	2009671-51	ND	31.018	50.000	ug/L		62.0		50 - 120	
	MSD	2009671-51	ND	35.231	50.000	ug/L	12.7	70.5	30	50 - 120	
2-Chlorophenol	MS	2009671-51	ND	27.180	50.000	ug/L		54.4		50 - 120	
	MSD	2009671-51	ND	31.468	50.000	ug/L	14.6	62.9	30	50 - 120	
2-Methylphenol	MS	2009671-51	ND	28.975	50.000	ug/L		58.0		40 - 110	
	MSD	2009671-51	ND	33.741	50.000	ug/L	15.2	67.5	30	40 - 110	
3- & 4-Methylphenol	MS	2009671-51	ND	55.461	100.00	ug/L		55.5		40 - 110	
	MSD	2009671-51	ND	65.297	100.00	ug/L	16.3	65.3	30	40 - 110	
4-Nitrophenol	MS	2009671-51	ND	12.445	50.000	ug/L		24.9		10 - 110	
	MSD	2009671-51	ND	14.984	50.000	ug/L	18.5	30.0	30	10 - 110	
Pentachlorophenol	MS	2009671-51	ND	28.082	50.000	ug/L		56.2		30 - 120	
	MSD	2009671-51	ND	33.565	50.000	ug/L	17.8	67.1	30	30 - 120	
Phenol	MS	2009671-51	ND	13.851	50.000	ug/L		27.7		20 - 110	
	MSD	2009671-51	ND	16.256	50.000	ug/L	16.0	32.5	30	20 - 110	
2,4,6-Trichlorophenol	MS	2009671-51	ND	34.371	50.000	ug/L		68.7		50 - 150	
	MSD	2009671-51	ND	38.641	50.000	ug/L	11.7	77.3	30	50 - 150	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076677	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	**2009671-51**	**ND**	**9.3955**	**40.000**	**ug/L**		**23.5**		**30 - 120**	**S09**
	MSD	**2009671-51**	**ND**	**11.466**	**40.000**	**ug/L**	**19.8**	**28.7**		**30 - 120**	**S09**
Phenol-d5 (Surrogate)	MS	2009671-51	ND	10.887	40.000	ug/L		27.2		12 - 110	
	MSD	2009671-51	ND	13.328	40.000	ug/L	20.2	33.3		12 - 110	
Nitrobenzene-d5 (Surrogate)	MS	2009671-51	ND	33.640	40.000	ug/L		84.1		50 - 130	
	MSD	2009671-51	ND	40.023	40.000	ug/L	17.3	100		50 - 130	
2-Fluorobiphenyl (Surrogate)	MS	2009671-51	ND	25.488	40.000	ug/L		63.7		55 - 125	
	MSD	2009671-51	ND	30.664	40.000	ug/L	18.4	76.7		55 - 125	
2,4,6-Tribromophenol (Surrogate)	MS	2009671-51	ND	25.032	40.000	ug/L		62.6		40 - 150	
	MSD	2009671-51	ND	29.557	40.000	ug/L	16.6	73.9		40 - 150	
p-Terphenyl-d14 (Surrogate)	MS	2009671-51	ND	11.124	20.000	ug/L		55.6		40 - 150	
	MSD	2009671-51	ND	13.847	20.000	ug/L	21.8	69.2		40 - 150	
QC Batch ID: B076721	Used client sample: N										
Acenaphthene	MS	2009671-46	ND	1.2286	1.6393	mg/kg		74.9		30 - 140	
	MSD	2009671-46	ND	1.2671	1.6447	mg/kg	3.1	77.0	30	30 - 140	
1,4-Dichlorobenzene	MS	2009671-46	ND	1.3179	1.6393	mg/kg		80.4		50 - 130	
	MSD	2009671-46	ND	1.3798	1.6447	mg/kg	4.6	83.9	30	50 - 130	
2,4-Dinitrotoluene	MS	2009671-46	ND	1.6226	1.6393	mg/kg		99.0		50 - 130	
	MSD	2009671-46	ND	1.6231	1.6447	mg/kg	0.0	98.7	30	50 - 130	
Hexachlorobenzene	MS	2009671-46	ND	1.9047	1.6393	mg/kg		116		50 - 130	
	MSD	2009671-46	ND	1.9513	1.6447	mg/kg	2.4	119	30	50 - 130	
Hexachlorobutadiene	MS	2009671-46	ND	1.3825	1.6393	mg/kg		84.3		50 - 130	
	MSD	2009671-46	ND	1.4905	1.6447	mg/kg	7.5	90.6	30	50 - 130	
Hexachloroethane	MS	2009671-46	ND	1.4137	1.6393	mg/kg		86.2		50 - 130	
	MSD	2009671-46	ND	1.4700	1.6447	mg/kg	3.9	89.4	30	50 - 130	
Nitrobenzene	MS	2009671-46	ND	1.3609	1.6393	mg/kg		83.0		30 - 120	
	MSD	2009671-46	ND	1.3827	1.6447	mg/kg	1.6	84.1	30	30 - 120	
N-Nitrosodi-N-propylamine	MS	2009671-46	ND	1.1147	1.6393	mg/kg		68.0		20 - 130	
	MSD	2009671-46	ND	1.1131	1.6447	mg/kg	0.1	67.7	30	20 - 130	
Pyrene	MS	2009671-46	ND	1.1754	1.6393	mg/kg		71.7		40 - 140	
	MSD	2009671-46	ND	1.2368	1.6447	mg/kg	5.1	75.2	30	40 - 140	
1,2,4-Trichlorobenzene	MS	2009671-46	ND	1.4528	1.6393	mg/kg		88.6		50 - 130	
	MSD	2009671-46	ND	1.5527	1.6447	mg/kg	6.7	94.4	30	50 - 130	
4-Chloro-3-methylphenol	MS	2009671-46	ND	1.2187	1.6393	mg/kg		74.3		50 - 130	
	MSD	2009671-46	ND	1.2421	1.6447	mg/kg	1.9	75.5	30	50 - 130	
2-Chlorophenol	MS	2009671-46	ND	0.96078	1.6393	mg/kg		58.6		50 - 130	
	MSD	2009671-46	ND	0.98642	1.6447	mg/kg	2.6	60.0	30	50 - 130	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076721	Used client sample: N										
2-Methylphenol	MS	2009671-46	ND	1.1592	1.6393	mg/kg		70.7		50 - 130	
	MSD	2009671-46	ND	1.1444	1.6447	mg/kg	1.3	69.6	30	50 - 130	
3- & 4-Methylphenol	MS	2009671-46	ND	2.2288	3.2787	mg/kg		68.0		50 - 130	
	MSD	2009671-46	ND	2.2041	3.2895	mg/kg	1.1	67.0	30	50 - 130	
4-Nitrophenol	MS	2009671-46	ND	0.89304	1.6393	mg/kg		54.5		30 - 140	
	MSD	2009671-46	ND	0.86104	1.6447	mg/kg	3.6	52.4	30	30 - 140	
Pentachlorophenol	MS	2009671-46	ND	0.80399	1.6393	mg/kg		49.0		30 - 130	
	MSD	2009671-46	ND	0.90305	1.6447	mg/kg	11.6	54.9	30	30 - 130	
Phenol	MS	2009671-46	ND	1.0327	1.6393	mg/kg		63.0		40 - 150	
	MSD	2009671-46	ND	1.0431	1.6447	mg/kg	1.0	63.4	30	40 - 150	
2,4,6-Trichlorophenol	MS	2009671-46	ND	1.2139	1.6393	mg/kg		74.0		50 - 130	
	MSD	2009671-46	ND	1.2499	1.6447	mg/kg	2.9	76.0	30	50 - 130	
2-Fluorophenol (Surrogate)	MS	2009671-46	ND	0.75628	1.3115	mg/kg		57.7		20 - 130	
	MSD	2009671-46	ND	0.80242	1.3158	mg/kg	5.9	61.0		20 - 130	
Phenol-d5 (Surrogate)	MS	2009671-46	ND	0.82180	1.3115	mg/kg		62.7		30 - 130	
	MSD	2009671-46	ND	0.82847	1.3158	mg/kg	0.8	63.0		30 - 130	
Nitrobenzene-d5 (Surrogate)	MS	2009671-46	ND	0.88318	1.3115	mg/kg		67.3		30 - 130	
	MSD	2009671-46	ND	0.91314	1.3158	mg/kg	3.3	69.4		30 - 130	
2-Fluorobiphenyl (Surrogate)	MS	2009671-46	ND	0.98209	1.3115	mg/kg		74.9		30 - 140	
	MSD	2009671-46	ND	1.0213	1.3158	mg/kg	3.9	77.6		30 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	2009671-46	ND	0.98972	1.3115	mg/kg		75.5		20 - 150	
	MSD	2009671-46	ND	1.0408	1.3158	mg/kg	5.0	79.1		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	2009671-46	ND	0.47800	0.65574	mg/kg		72.9		30 - 150	
	MSD	2009671-46	ND	0.49305	0.65789	mg/kg	3.1	74.9		30 - 150	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076715						
TPH - Light Naptha	B076715-BLK1	ND	mg/kg	50	20	
TPH - Aviation Gas	B076715-BLK1	ND	mg/kg	50	20	
TPH - Stoddard Solvent	B076715-BLK1	ND	mg/kg	20	5.0	
TPH - Heavy Naptha	B076715-BLK1	ND	mg/kg	10	5.0	
TPH - Gasoline	B076715-BLK1	ND	mg/kg	20	5.0	
TPH - Jet Fuel (JP4)	B076715-BLK1	ND	mg/kg	10	5.0	
TPH - Jet Fuel (JP5)	B076715-BLK1	ND	mg/kg	10	4.6	
TPH - Jet Fuel (JP8)	B076715-BLK1	ND	mg/kg	10	5.0	
TPH - Kerosene	B076715-BLK1	ND	mg/kg	10	1.4	
TPH - Diesel (FFP)	B076715-BLK1	ND	mg/kg	10	1.3	
TPH - Fuel Oil #6	B076715-BLK1	ND	mg/kg	10	5.0	
TPH - Crude Oil	B076715-BLK1	ND	mg/kg	20	2.8	
TPH - Hydraulic Oil / Motor Oil	B076715-BLK1	ND	mg/kg	20	6.5	
TPH - WD-40	B076715-BLK1	ND	mg/kg	10	5.0	
Tetracosane (Surrogate)	**B076715-BLK1**	**120**	%	**30 - 130 (LCL - UCL)**		
QC Batch ID: B076817						
TPH - Light Naptha	B076817-BLK1	ND	ug/L	500	200	
TPH - Aviation Gas	B076817-BLK1	ND	ug/L	500	200	
TPH - Stoddard Solvent	B076817-BLK1	ND	ug/L	200	100	
TPH - Heavy Naptha	B076817-BLK1	ND	ug/L	200	100	
TPH - Gasoline	B076817-BLK1	ND	ug/L	500	200	
TPH - Jet Fuel (JP4)	B076817-BLK1	ND	ug/L	200	100	
TPH - Jet Fuel (JP5)	B076817-BLK1	ND	ug/L	200	130	
TPH - Jet Fuel (JP8)	B076817-BLK1	ND	ug/L	200	100	
TPH - Kerosene	B076817-BLK1	ND	ug/L	200	57	
TPH - Diesel (FFP)	B076817-BLK1	ND	ug/L	200	38	
TPH - Fuel Oil #6	B076817-BLK1	ND	ug/L	50	25	
TPH - Crude Oil	B076817-BLK1	ND	ug/L	500	140	
TPH - Hydraulic Oil / Motor Oil	B076817-BLK1	ND	ug/L	500	66	
TPH - WD-40	B076817-BLK1	ND	ug/L	200	100	
Tetracosane (Surrogate)	**B076817-BLK1**	**62.8**	%	**40 - 140 (LCL - UCL)**		

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B076715										
TPH - Diesel (FFP)	B076715-BS1	LCS	87.806	83.893	mg/kg	105		64 - 124		
Tetracosane (Surrogate)	B076715-BS1	LCS	4.1324	3.3557	mg/kg	123		30 - 130		
QC Batch ID: B076817										
TPH - Diesel (FFP)	B076817-BS1	LCS	1607.8	2500.0	ug/L	64.3		52 - 128		
Tetracosane (Surrogate)	B076817-BS1	LCS	62.980	100.00	ug/L	63.0		40 - 140		

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076715	Used client sample: N										
TPH - Diesel (FFP)	MS	2011821-03	ND	66.796	82.781	mg/kg		80.7		52 - 131	
	MSD	2011821-03	ND	69.433	84.459	mg/kg	3.9	82.2	30	52 - 131	
Tetracosane (Surrogate)	MS	2011821-03	ND	3.8540	3.3113	mg/kg		116		30 - 130	
	MSD	2011821-03	ND	4.0177	3.3784	mg/kg	4.2	119		30 - 130	
QC Batch ID: B076817	Used client sample: N										
TPH - Diesel (FFP)	MS	2009671-84	ND	1710.4	2500.0	ug/L		68.4		50 - 127	
	MSD	2009671-84	ND	1555.2	2500.0	ug/L	9.5	62.2	24	50 - 127	
Tetracosane (Surrogate)	MS	2009671-84	ND	61.875	100.00	ug/L		61.9		40 - 140	
	MSD	2009671-84	ND	56.340	100.00	ug/L	9.4	56.3		40 - 140	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

WET Test (STLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B077489						
Lead	B077489-BLK1	ND	mg/L	0.50	0.16	

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WET Test (STLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B077489										
Lead	B077489-BS1	LCS	18.380	20.000	mg/L	91.9		85 - 115		

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Reported: 05/11/2020 16:52
Project: Western Approach
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WET Test (STLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B077489	Used client sample: Y - Description: KB-DRUMS, 04/22/2020 11:05										
Lead	DUP	2012082-30	1.9412	2.0551		mg/L	5.7		20		
	MS	2012082-30	1.9412	20.422	20.408	mg/L		90.6		75 - 125	
	MSD	2012082-30	1.9412	21.132	20.408	mg/L	3.4	94.0	20	75 - 125	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076310						
Lead	B076310-BLK1	ND	mg/kg	0.25	0.12	
QC Batch ID: B076311						
Antimony	B076311-BLK1	ND	mg/kg	0.50	0.080	
Arsenic	B076311-BLK1	ND	mg/kg	0.50	0.17	
Barium	B076311-BLK1	ND	mg/kg	0.25	0.054	
Beryllium	B076311-BLK1	ND	mg/kg	0.25	0.041	
Cadmium	B076311-BLK1	ND	mg/kg	0.25	0.048	
Chromium	B076311-BLK1	ND	mg/kg	0.75	0.25	
Cobalt	B076311-BLK1	ND	mg/kg	0.25	0.049	
Copper	B076311-BLK1	ND	mg/kg	0.50	0.099	
Lead	B076311-BLK1	ND	mg/kg	0.25	0.12	
Molybdenum	B076311-BLK1	ND	mg/kg	0.25	0.045	
Nickel	B076311-BLK1	ND	mg/kg	0.50	0.11	
Selenium	B076311-BLK2	ND	mg/kg	0.50	0.11	
Silver	B076311-BLK1	ND	mg/kg	0.25	0.051	
Thallium	B076311-BLK1	ND	mg/kg	0.25	0.049	
Vanadium	B076311-BLK1	ND	mg/kg	0.75	0.27	
Zinc	B076311-BLK1	ND	mg/kg	2.5	0.50	
QC Batch ID: B076767						
Mercury	B076767-BLK1	ND	mg/kg	0.16	0.016	

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Project Manager: Kiri Ando

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B076310										
Lead	B076310-BS1	LCS	28.004	25.000	mg/kg	112		75 - 125		
QC Batch ID: B076311										
Antimony	B076311-BS1	LCS	10.684	10.000	mg/kg	107		75 - 125		
Arsenic	B076311-BS1	LCS	25.751	25.000	mg/kg	103		75 - 125		
Barium	B076311-BS1	LCS	10.471	10.000	mg/kg	105		75 - 125		
Beryllium	B076311-BS1	LCS	10.322	10.000	mg/kg	103		75 - 125		
Cadmium	B076311-BS1	LCS	10.686	10.000	mg/kg	107		75 - 125		
Chromium	B076311-BS1	LCS	10.660	10.000	mg/kg	107		75 - 125		
Cobalt	B076311-BS1	LCS	10.707	10.000	mg/kg	107		75 - 125		
Copper	B076311-BS1	LCS	26.692	25.000	mg/kg	107		75 - 125		
Lead	B076311-BS1	LCS	26.972	25.000	mg/kg	108		75 - 125		
Molybdenum	B076311-BS1	LCS	10.176	10.000	mg/kg	102		75 - 125		
Nickel	B076311-BS1	LCS	27.336	25.000	mg/kg	109		75 - 125		
Selenium	B076311-BS2	LCS	25.666	25.000	mg/kg	103		75 - 125		
Silver	B076311-BS1	LCS	10.576	10.000	mg/kg	106		75 - 125		
Thallium	B076311-BS1	LCS	10.630	10.000	mg/kg	106		75 - 125		
Vanadium	B076311-BS1	LCS	10.310	10.000	mg/kg	103		75 - 125		
Zinc	B076311-BS1	LCS	26.077	25.000	mg/kg	104		75 - 125		
QC Batch ID: B076767										
Mercury	B076767-BS1	LCS	0.80320	0.80000	mg/kg	100		80 - 120		

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Sacramento, CA 95826

Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076310	Used client sample: Y - Description: KB-07-2.5, 04/21/2020 15:55										
Lead	DUP	2012082-09	5.8390	5.9910		mg/kg	2.6		20		
	MS	2012082-09	5.8390	33.598	25.000	mg/kg		111		75 - 125	
	MSD	2012082-09	5.8390	33.854	25.000	mg/kg	0.8	112	20	75 - 125	
QC Batch ID: B076311	Used client sample: Y - Description: KB-20-2.5, 04/21/2020 14:17										
Antimony	DUP	2012082-24	0.15900	0.18450		mg/kg	14.8		20		J
	MS	2012082-24	0.15900	8.6020	10.000	mg/kg		84.4		16 - 119	
	MSD	2012082-24	0.15900	9.5125	10.000	mg/kg	10.1	93.5	20	16 - 119	
Arsenic	DUP	**2012082-24**	**2.9152**	**4.8428**		**mg/kg**	**49.7**		**20**		**Q01**
	MS	**2012082-24**	**2.9152**	**26.071**	**25.000**	**mg/kg**		**92.6**		**75 - 125**	
	MSD	**2012082-24**	**2.9152**	**27.086**	**25.000**	**mg/kg**	**3.8**	**96.7**	**20**	**75 - 125**	
Barium	DUP	**2012082-24**	**100.69**	**93.546**		**mg/kg**	**7.4**		**20**		
	MS	**2012082-24**	**100.69**	**115.21**	**10.000**	**mg/kg**		**145**		**75 - 125**	**A03**
	MSD	**2012082-24**	**100.69**	**115.02**	**10.000**	**mg/kg**	**0.2**	**143**	**20**	**75 - 125**	**A03**
Beryllium	DUP	**2012082-24**	**0.21775**	**0.15750**		**mg/kg**	**32.1**		**20**		**J,A02**
	MS	**2012082-24**	**0.21775**	**9.3902**	**10.000**	**mg/kg**		**91.7**		**75 - 125**	
	MSD	**2012082-24**	**0.21775**	**9.7988**	**10.000**	**mg/kg**	**4.3**	**95.8**	**20**	**75 - 125**	
Cadmium	DUP	2012082-24	ND	ND		mg/kg			20		
	MS	2012082-24	ND	9.8248	10.000	mg/kg		98.2		75 - 125	
	MSD	2012082-24	ND	10.193	10.000	mg/kg	3.7	102	20	75 - 125	
Chromium	DUP	**2012082-24**	**22.940**	**21.842**		**mg/kg**	**4.9**		**20**		
	MS	**2012082-24**	**22.940**	**33.933**	**10.000**	**mg/kg**		**110**		**75 - 125**	
	MSD	**2012082-24**	**22.940**	**36.118**	**10.000**	**mg/kg**	**6.2**	**132**	**20**	**75 - 125**	**Q03**
Cobalt	DUP	2012082-24	5.9548	5.5685		mg/kg	6.7		20		
	MS	2012082-24	5.9548	15.276	10.000	mg/kg		93.2		75 - 125	
	MSD	2012082-24	5.9548	16.053	10.000	mg/kg	5.0	101	20	75 - 125	
Copper	DUP	2012082-24	16.148	14.739		mg/kg	9.1		20		
	MS	2012082-24	16.148	40.196	25.000	mg/kg		96.2		75 - 125	
	MSD	2012082-24	16.148	42.754	25.000	mg/kg	6.2	106	20	75 - 125	
Lead	DUP	**2012082-24**	**58.540**	**61.272**		**mg/kg**	**4.6**		**20**		
	MS	**2012082-24**	**58.540**	**87.009**	**25.000**	**mg/kg**		**114**		**75 - 125**	
	MSD	**2012082-24**	**58.540**	**113.19**	**25.000**	**mg/kg**	**26.2**	**219**	**20**	**75 - 125**	**Q02,Q03**
Molybdenum	DUP	2012082-24	0.73900	0.62750		mg/kg	16.3		20		
	MS	2012082-24	0.73900	10.976	10.000	mg/kg		102		75 - 125	
	MSD	2012082-24	0.73900	11.582	10.000	mg/kg	5.4	108	20	75 - 125	
Nickel	DUP	2012082-24	14.185	12.730		mg/kg	10.8		20		
	MS	2012082-24	14.185	37.408	25.000	mg/kg		92.9		75 - 125	
	MSD	2012082-24	14.185	38.639	25.000	mg/kg	3.2	97.8	20	75 - 125	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076311	Used client sample: Y - Description: KB-20-2.5, 04/21/2020 14:17										
Selenium	DUP	2012082-24	ND	ND		mg/kg			20		
	MS	2012082-24	ND	24.066	25.000	mg/kg		96.3		75 - 125	
	MSD	2012082-24	ND	24.409	25.000	mg/kg	1.4	97.6	20	75 - 125	
Silver	DUP	**2012082-24**	**0.081250**	**0.053250**		**mg/kg**	**41.6**		**20**		**J,A02**
	MS	**2012082-24**	**0.081250**	**10.601**	**10.000**	**mg/kg**		**105**		**75 - 125**	
	MSD	**2012082-24**	**0.081250**	**10.573**	**10.000**	**mg/kg**	**0.3**	**105**	**20**	**75 - 125**	
Thallium	DUP	**2012082-24**	**0.13025**	**0.099250**		**mg/kg**	**27.0**		**20**		**J,A02**
	MS	**2012082-24**	**0.13025**	**9.8720**	**10.000**	**mg/kg**		**97.4**		**75 - 125**	
	MSD	**2012082-24**	**0.13025**	**10.404**	**10.000**	**mg/kg**	**5.2**	**103**	**20**	**75 - 125**	
Vanadium	DUP	**2012082-24**	**62.347**	**55.947**		**mg/kg**	**10.8**		**20**		
	MS	**2012082-24**	**62.347**	**74.612**	**10.000**	**mg/kg**		**123**		**75 - 125**	
	MSD	**2012082-24**	**62.347**	**78.065**	**10.000**	**mg/kg**	**4.5**	**157**	**20**	**75 - 125**	**A03**
Zinc	DUP	2012082-24	54.182	52.154		mg/kg	3.8		20		
	MS	2012082-24	54.182	80.759	25.000	mg/kg		106		75 - 125	
	MSD	2012082-24	54.182	82.038	25.000	mg/kg	1.6	111	20	75 - 125	
QC Batch ID: B076767	Used client sample: N										
Mercury	DUP	2011902-02	0.099677	0.092419		mg/kg	7.6		20		J
	MS	2011902-02	0.099677	0.92097	0.80645	mg/kg		102		80 - 120	
	MSD	2011902-02	0.099677	0.94677	0.80645	mg/kg	2.8	105	20	80 - 120	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Metals Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B076496						
Dissolved Mercury	B076496-BLK1	ND	ug/L	0.20	0.022	
QC Batch ID: B076543						
Dissolved Antimony	B076543-BLK1	ND	ug/L	2.0	0.23	
Dissolved Arsenic	**B076543-BLK1**	**0.92200**	**ug/L**	**2.0**	**0.38**	**J**
Dissolved Barium	B076543-BLK1	ND	ug/L	1.0	0.066	
Dissolved Beryllium	**B076543-BLK1**	**0.084000**	**ug/L**	**1.0**	**0.050**	**J**
Dissolved Cadmium	B076543-BLK1	ND	ug/L	1.0	0.034	
Dissolved Chromium	B076543-BLK1	ND	ug/L	3.0	0.15	
Dissolved Cobalt	B076543-BLK1	ND	ug/L	1.0	0.011	
Dissolved Copper	B076543-BLK1	ND	ug/L	2.0	0.32	
Dissolved Lead	B076543-BLK1	ND	ug/L	1.0	0.021	
Dissolved Molybdenum	B076543-BLK1	ND	ug/L	1.0	0.033	
Dissolved Nickel	B076543-BLK1	ND	ug/L	2.0	0.15	
Dissolved Selenium	B076543-BLK1	ND	ug/L	2.0	0.25	
Dissolved Silver	B076543-BLK1	ND	ug/L	1.0	0.015	
Dissolved Thallium	B076543-BLK1	ND	ug/L	1.0	0.025	
Dissolved Vanadium	**B076543-BLK1**	**1.0120**	**ug/L**	**3.0**	**0.39**	**J**
Dissolved Zinc	B076543-BLK1	ND	ug/L	5.0	2.2	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Metals Analysis

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B076496										
Dissolved Mercury	B076496-BS1	LCS	0.91750	1.0000	ug/L	91.8		85 - 115		
QC Batch ID: B076543										
Dissolved Antimony	B076543-BS1	LCS	39.219	40.000	ug/L	98.0		75 - 125		
Dissolved Arsenic	B076543-BS1	LCS	98.146	100.00	ug/L	98.1		75 - 125		
Dissolved Barium	B076543-BS1	LCS	41.567	40.000	ug/L	104		75 - 125		
Dissolved Beryllium	B076543-BS1	LCS	41.089	40.000	ug/L	103		75 - 125		
Dissolved Cadmium	B076543-BS1	LCS	40.537	40.000	ug/L	101		75 - 125		
Dissolved Chromium	B076543-BS1	LCS	41.090	40.000	ug/L	103		75 - 125		
Dissolved Cobalt	B076543-BS1	LCS	41.119	40.000	ug/L	103		75 - 125		
Dissolved Copper	B076543-BS1	LCS	106.94	100.00	ug/L	107		75 - 125		
Dissolved Lead	B076543-BS1	LCS	104.03	100.00	ug/L	104		75 - 125		
Dissolved Molybdenum	B076543-BS1	LCS	38.265	40.000	ug/L	95.7		75 - 125		
Dissolved Nickel	B076543-BS1	LCS	101.96	100.00	ug/L	102		75 - 125		
Dissolved Selenium	B076543-BS1	LCS	100.81	100.00	ug/L	101		75 - 125		
Dissolved Silver	B076543-BS1	LCS	40.676	40.000	ug/L	102		75 - 125		
Dissolved Thallium	B076543-BS1	LCS	41.266	40.000	ug/L	103		75 - 125		
Dissolved Vanadium	B076543-BS1	LCS	39.919	40.000	ug/L	99.8		75 - 125		
Dissolved Zinc	B076543-BS1	LCS	101.83	100.00	ug/L	102		75 - 125		

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076496	Used client sample: Y - Description: KB-DRUMW, 04/22/2020 11:15										
Dissolved Mercury	DUP	2012082-31	ND	ND		ug/L			20		
	MS	2012082-31	ND	1.0000	1.0000	ug/L		100		70 - 130	
	MSD	2012082-31	ND	0.99500	1.0000	ug/L	0.5	99.5	20	70 - 130	
QC Batch ID: B076543	Used client sample: N										
Dissolved Antimony	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	40.526	40.816	ug/L		99.3		75 - 125	
	MSD	2012176-05	ND	41.251	40.816	ug/L	1.8	101	20	75 - 125	
Dissolved Arsenic	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	110.26	102.04	ug/L		108		75 - 125	
	MSD	2012176-05	ND	108.37	102.04	ug/L	1.7	106	20	75 - 125	
Dissolved Barium	DUP	2012176-05	0.15700	ND		ug/L			20		
	MS	2012176-05	0.15700	41.919	40.816	ug/L		102		75 - 125	
	MSD	2012176-05	0.15700	40.397	40.816	ug/L	3.7	98.6	20	75 - 125	
Dissolved Beryllium	DUP	**2012176-05**	**0.068000**	**0.13800**		**ug/L**	**68.0**		**20**		**J,A02**
	MS	**2012176-05**	**0.068000**	**43.527**	**40.816**	**ug/L**		**106**		**75 - 125**	
	MSD	**2012176-05**	**0.068000**	**45.555**	**40.816**	**ug/L**	**4.6**	**111**	**20**	**75 - 125**	
Dissolved Cadmium	DUP	**2012176-05**	**0.076000**	**0.095000**		**ug/L**	**22.2**		**20**		**J,A02**
	MS	**2012176-05**	**0.076000**	**44.113**	**40.816**	**ug/L**		**108**		**75 - 125**	
	MSD	**2012176-05**	**0.076000**	**43.923**	**40.816**	**ug/L**	**0.4**	**107**	**20**	**75 - 125**	
Dissolved Chromium	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	41.312	40.816	ug/L		101		75 - 125	
	MSD	2012176-05	ND	41.683	40.816	ug/L	0.9	102	20	75 - 125	
Dissolved Cobalt	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	41.529	40.816	ug/L		102		75 - 125	
	MSD	2012176-05	ND	41.934	40.816	ug/L	1.0	103	20	75 - 125	
Dissolved Copper	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	107.33	102.04	ug/L		105		75 - 125	
	MSD	2012176-05	ND	108.29	102.04	ug/L	0.9	106	20	75 - 125	
Dissolved Lead	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	104.26	102.04	ug/L		102		75 - 125	
	MSD	2012176-05	ND	104.29	102.04	ug/L	0.0	102	20	75 - 125	
Dissolved Molybdenum	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	37.169	40.816	ug/L		91.1		75 - 125	
	MSD	2012176-05	ND	38.208	40.816	ug/L	2.8	93.6	20	75 - 125	
Dissolved Nickel	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	106.74	102.04	ug/L		105		75 - 125	
	MSD	2012176-05	ND	107.29	102.04	ug/L	0.5	105	20	75 - 125	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B076543	Used client sample: N										
Dissolved Selenium	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	124.86	102.04	ug/L		122		75 - 125	
	MSD	2012176-05	ND	125.81	102.04	ug/L	0.8	123	20	75 - 125	
Dissolved Silver	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	40.587	40.816	ug/L		99.4		75 - 125	
	MSD	2012176-05	ND	40.721	40.816	ug/L	0.3	99.8	20	75 - 125	
Dissolved Thallium	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	41.007	40.816	ug/L		100		75 - 125	
	MSD	2012176-05	ND	40.954	40.816	ug/L	0.1	100	20	75 - 125	
Dissolved Vanadium	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	39.164	40.816	ug/L		96.0		75 - 125	
	MSD	2012176-05	ND	39.393	40.816	ug/L	0.6	96.5	20	75 - 125	
Dissolved Zinc	DUP	2012176-05	ND	ND		ug/L			20		
	MS	2012176-05	ND	123.78	102.04	ug/L		121		75 - 125	
	MSD	2012176-05	ND	122.89	102.04	ug/L	0.7	120	20	75 - 125	

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Reported: 05/11/2020 16:52
Project: Western Approach
Project Number: 1101.02.25
Project Manager: Kiri Ando

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.
A02	The difference between duplicate readings is less than the quantitation limit.
A03	The sample concentration was more than 4 times the spike level.
A07	Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
A10	Detection and quantitation limits were raised due to matrix interference.
A20	Surrogate is low due to matrix interference. Interference verified through second extraction/analysis.
A52	Chromatogram not typical of diesel.
A57	Chromatogram not typical of motor oil.
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
Q01	Sample precision is not within the control limits.
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) was(were) not within the control limits.
S09	The surrogate recovery for this compound was not within the control limits.
Z1	SAMPLE FOAMER

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APPENDIX G
GEOPHYSICS SURVEY REPORT

ADVANCED GEOLOGICAL SERVICES

1605 School Street, #4
Moraga CA 94556
925 (808-8965)

December 29, 2019

Ms. Kiri Ando, Environmental Scientist
NCE
8795 Folsom Blvd., Suite 250
Sacramento, CA 95826

Subject: **Geophysical Investigation Results**
Caltrans Western Approach Project
North Lake Blvd and Brassie Ave.
Kings Beach, California

Ms. Ando-

1.0 INTRODUCTION

This letter presents the findings of Advanced Geological Services, Inc. (AGS) geophysical investigation to look for underground storage tanks (USTs) foundation remnants, buried utilities and buried refuse in support of the Kings Beach Western Approach Project in Kings Beach, California (Figure 1).

Figure 1 – Site Location in Kings Beach, California

The field work was performed on December 3, 2019 by AGS geophysicist Roark Smith, who used a Geonics EM61 electromagnetic (EM) metal-detector with digital recording capabilities, a Fisher TW-6 M-Scope hand-held metal detector and ground penetrating radar (GPR). In addition, AGS used a RadioDetection RD-8000 pipe-and-cable locating system to scan for underground utilities.

Briefly, the EM61 was used to look for areas of buried metal representing possible UST locations, the M-Scope was used to look for shallowly-buried small metal debris, and GPR was used to obtain graphical profiles of the subsurface to help identify buried metal objects detected by the EM61 survey. In general, EM61 surveying can be an important part of a UST/substructure investigation because it usually provides a deeper investigation depth than GPR, which can be as shallow as two feet at some sites. Depending on their size, the EM61 can detect objects as deep as 10 feet; however, the EM61 can detect only metallic objects.

2.0 RESULTS SUMMARY

- AGS detected numerous buried utilities but little else during this investigation. The most significant finding is the unidentified buried utility running in the north-south direction about 50 feet east of Brassie Avenue.

- A number of buried utilities, including natural gas, street light electrical, telephone and water were detected running along North Lake Boulevard and beneath the roadway shoulder along on the west side of Brassie Avenue.

- Several buried utilities running along the western side of North Shore Boulevard, at the eastern edge of the site were also detected. They include a natural gas pipeline and electrical and telecom cables associated with the cabinets, pedestals, electrical transformer and utility vaults observed in this area.

- The EM61 data show a linear metal-indicating response alignment associated with the unidentified buried utility the open area east of Brassie Avenue. In addition, several broader metal-indicating responses were observed that can be readily attributed to a metal lawn roller and a pair of reinforced concrete shuffleboard courts. AGS suspects that the other broad EM61 anomalies are associated with utility vaults that were hidden beneath the snow at the time of the investigation.

3.0 SITE DESCRIPTION

The investigation was performed within an approximately 170- by 180-foot (0.7-acre) area along (north of) North Lake Boulevard, between North Shore Boulevard (SR-267) and Brassie Avenue (Figure 2). AGS also investigated a small, 25- by 100-foot area along North Lake Boulevard, west of Brassie Avenue. At the time of the investigation, the survey site was covered by about a foot of snow. It is worth noting that much of the eastern portion of the site could not be surveyed due to the thick grove of trees, which blocked access with the EM61 and GPR instruments. In addition, two bodies of standing water were present within the tree-covered area. In a similar fashion, trees also blocked survey access in the small area west of Brassie Avenue.

4.0 GEOPHYSICAL METHODS AND EQUIPMENT

The investigation was performed using the following geophysical methods:

- Time-domain Electromagnetics (EM), using a Geonics EM61 recording metal detector.

- Ground Penetrating Radar (GPR) using a GSSI SIR-3000 connected to a 400-MHz antenna.

- Utility Locating using a RadioDetection RD-8000 Pipe-and-Cable locating system.

- Shallowly-buried metal detecting using a Fisher TW-6 M-Scope

In addition, AGS used a Trimble Pro-XR Global Positioning System (GPS) to map the site and also to obtain positioning data for the EM61 survey.

Time-Domain Electromagnetics (EM) using a Geonics EM61

The Geonics EM61 is a commonly used instrument designed to detect both ferrous and non-ferrous metallic objects. It is capable of detecting a single 55-gallon drum buried at depths of up to eight feet. The EM61 transmits a pulsed magnetic field, which causes (induces) small electrical currents (eddy currents) to flow through metallic objects near (below) the instrument. The strength of these eddy currents is measured by the EM61 receiver coil a relatively long time after the magnetic field pulse subsides. This delayed measurement technique produces a reading (in millivolts) that responds strongly to metal but very weakly to the electrical properties of the surrounding soil, thus making the EM61 a high-sensitivity metal detector that is capable of detecting smaller metal objects. The EM61 employs a one-meter-wide square coil, and its sensitivity can be enhanced by the deployment of a second receiver coil above the first; the second coil response can be used to estimate the burial depth of detected objects and to reduce interference caused by nearby power lines and cultural objects, such as vehicles and metal fences.

Ground Penetrating Radar (GPR) using a GSSI SIR-3000

GPR uses radar technology to produce a graphical profile of the subsurface that shows soil layering and images of buried objects. GPR systems typically use a single transceiving antenna (both transmits and receives) that is dragged along the ground surface. The antenna emits a radar pulse into the ground; some of the radar energy reflects off of interfaces between materials with different electrical properties (e.g., soil and metal) and returns to the surface where it is detected by the antenna and sent via a cable to a separate control unit where it is amplified and displayed on a computer screen as a "wiggle trace," which is a vertical plot of changes in reflection amplitudes over time (although the vertical scale of a GPR profile is usually considered as depth, it actually measures the travel-time of the radar pulse from the surface to a reflecting interface and back to the surface). A subsurface profile is built as the antenna is pulled along the survey line and successive wiggle traces are recorded. GPR data are usually displayed as an array of closely-spaced traces, a technique that produces an image of the subsurface as the reflections (wiggles) on adjacent traces merge into coherent patterns.

Soil layer boundaries appear as laterally continuous horizontal bands across a GPR profile. Depending on their composition, buried objects appear as localized, high-amplitude (darker) reflection patterns, with the reflection amplitude ("darkness") being a function of burial depth and the degree of contrast between the object and the surrounding soil. Metallic objects usually produce strong reflections, while concrete can produce weak reflections because its electrical properties are so similar to those of sandy soil. Buried pipes and USTs often exhibit a characteristic "upside down U" hyperbolic pattern, which allows them to be readily identified on a GPR record. Buried refuse often appears as zones of chaotic reflection patters that disrupt the horizontal layering on a GPR profile. However, GPR is subject to investigation depth limitations; in electrically conductive soil (e.g., moist, fine-grained soil), the GPR signal may only penetrate 2 feet. Additionally, sites with heterogeneous fill material often produce "cluttered" GPR records that can mask utility images. And finally, a subsurface target requires a certain minimum diameter to be imaged by GPR; a good rule-of-thumb is that a target requires a least 1 inch of diameter for each foot of burial to be imaged with GPR. In other words, a 2-inch pipe buried 4 feet deep probably will not be imaged.

Utility Locating using the RD-8000 Pipe and Cable Locating System
The RD-8000 system comprises separate transmitter and receiver units. Used alone in "passive mode", the receiver can locate energized electrical power cables by detecting the magnetic field associated with flowing electrical current. Used in conjunction with the transmitter, the RD-8000 receiver can be used to locate metal pipes and unenergized cables by detecting the magnetic field associated with a tracing signal (a weak electrical current) that is applied with the transmitter to the target pipe or cable. The tracing signals can be applied in a variety of ways. By far, the most effective way to apply a tracing signal is to directly connect the transmitter (via a jumper wire) to an exposed portion of a metallic utility or the associated tracer wire of a non-metallic pipe, if one was installed (a metal ground stake is used to complete the circuit). For insulated cables and cables inside conduit, a tracing signal can be applied using an inductive clamp, which wraps around the target utility. In addition, the RD-8000 transmitter can simply be placed on the ground surface and set to broadcast a tracing signal over a wide area; this approach enables a tracing signal to indirectly couple to nearby utilities via electromagnetic induction. Finally, the RD-8000 receiver can be used alone in "passive mode" to locate metallic utilities by detecting the magnetic field associated electrical current flowing within them, and any ambient radio signals that are captured naturally by the utility, which acts as a buried radio antenna.

Electromagnetic Metal Detecting Using the Fisher TW-6 M-Scope
Although it is advertised as a utility locating instrument, AGS uses the M-Scope to rapidly scan for reinforced concrete substructures, localized metal masses (e.g., a buried manhole cover), and small metal debris items. The M-Scope comprises a pair of wire coils (transmitter and receiver coils) housed in small boxes and connected with a 4-foot long staff, which enables the coils to be held "side-by-side" in a horizontal position. Before scanning commences, the receiver coil is first "tuned" to a null position with respect to the magnetic field emanating from the transmitter coil. When M-Scope is held near a metal object, the magnetic field becomes distorted and the system is thrown "out-of-tune," causing the instrument to emit an audible tone (a "squeal"), which signals the presence of a nearby metal object.

5.0 FIELD PROCEDURES

After first verifying the investigation area using the *"Proposed ADL Sample Locations"* map provided by NCE, AGS performed RD-8000 and M-Scope scanning by hand-carrying the instruments along a grid of north-south and east-west survey transects spaced approximately 10 feet apart and marking the ground surface with pink-colored spray paint where buried objects were detected. Although much of the site was blocked by trees, it is worth noting that AGS was able to squeeze between trees in places to perform RD-8000 and M-Scope scanning in portions of tree-covered areas of the site, both east and west of Brassie Avenue.

AGS then performed a GPR survey by wheeling the cart-mounted GPR system back-and-forth across the accessible portions of the site along a grid of lines spaced from 5 to 10 feet apart in both the north-south and east-west directions. Approximately 2,200 line-feet of GPR data were obtained for this investigation; however, because the GPR survey cart width prevented it from passing between the trees, AGS could not perform GPR surveying in the tree-covered area in the eastern half of the site; for the same reason, AGS could not perform any GPR surveying in the small area west of Brassie Avenue.

In a similar fashion, AGS performed the EM61 survey by wheeling the cart-mounted instrument back-and-forth across the across the accessible portions of the site along a grid of lines spaced approximately 10 feet apart in mostly an east-west direction. As with the GPR survey, the width of its sensor coils prevented the EM61survey cart from passing between the trees so AGS could not perform EM61 surveying in the tree-covered area in the eastern half of the site, nor in the small area west of Brassie Avenue. The EM61 was programmed to automatically obtain 4 readings per second, which approximately corresponds to one reading every foot along each survey line. Approximately 2,300 line-feet of EM61 data were obtained. Horizontal positioning data were obtained using a Trimble Pro-XR Global Positioning System (GPS) with the GPS antenna mounted over the center of the EM61 sensor coils using non-metallic straps and struts to minimize EM noise.

After the geophysical survey work was completed, AGS used the GPS to map detected buried objects and underground utilities, along with fences, curblines, tree areas and other prominent site features that could be used to help register aerial imagery and other site maps to the geophysical investigation findings.

6.0 DATA PROCESSING AND ANALYSIS

EM61 Data

The EM61 response was monitored in the field for buried metal areas, which would produce a "squeal" sound on the instrument's loudspeaker. EM61 data processing was done using the GEOSOFT Oasis montaj earth science software system. A GEOSOFT kriging algorithm was used to prepare a color-filled contour map showing EM61 response variations (in millivolts) across the site (Figure 3). As part of the analysis, AGS looked for high-amplitude responses not readily attributable to known metallic site features, such as vehicles and metal debris. Such responses are considered "anomalies" and are attributed to subsurface source bodies, which may include USTs, buried utilities, reinforced concrete foundations, and miscellaneous metallic debris. On the color contour maps, anomalies appear as "hot" (orange, red, and pink) colors representing areas with elevated EM61 measurements indicative of metallic objects.

Because the EM61 was designed to produce a positive signal peak at the center of the metallic source body, it tends to produce anomalies with a shape and extent that approximates the footprint of the metal source object. Accordingly, to look for USTs AGS inspected the contour map for large rectangular anomalies with a footprint corresponding to typical UST dimensions. Anomaly amplitudes associated with USTs and similarly-sized metallic substructures depend on burial depth, but they are typically on the order of 200 millivolts (mV) or greater.

AGS incorporated its site map into the EM61 contour map so that responses associated with surface metal objects (e.g., sign posts, water valves) and underground utilities could be identified and disregarded from consideration as a possible UST indication. As a further aid to the analysis, data profiles for each survey transect were prepared and inspected. The profiles are especially useful for assessing anomaly amplitudes and for identifying bad data caused by, say, a loose connection within the EM system or other type of equipment malfunction.

RD-8000, M-Scope and GPR

RD-8000 responses were interpreted in the field by the AGS geophysicist as the investigation progressed. The RD-8000 receiver was adjusted to emit a "buzz" sound when it was carried over a buried utility. In addition, the RD-8000 display includes directional arrows and "peak signal" indicators that help pinpoint the utility location. Similarly, the M-Scope emits a "squeal" when held near metal objects. Using the instrument's viewing monitor, GPR profiles were examined on a line by line basis as the survey progressed for reflection patterns indicative of USTs and other substructures. In particular, AGS looked for the broad, high-amplitude ("dark") "upside-down U" image that is usually associated with a UST. The locations of any such images were marked on the ground surface with white spray paint. Upon returning to the office, the GPR data were re-examined for images that might have gone unnoticed in the bright outdoor sunlight. GPR data were saved in digital format (as .dzt files) to the GPR system's computer memory and were later archived to AGS' external hard drive backup system. Because the RD-8000 and M-Scope have no digital output, no data were recorded for those instruments.

7.0 RESULTS

Investigation results are shown on Figures 2 through 4. Figure 2 is a site map that shows the investigation results. Figure 3 is a color-filled contour map of the EM61 data whereon metal-containing areas are indicated by "hot" (red-orange-pink) colors. For completeness, EM and GPR survey lines are shown on Figure 4.

Overall, AGS detected numerous buried utilities but little else during this investigation. The most significant finding is the unidentified buried utility running in the north-south direction through the open area of the site, about 50 feet east of Brassie Avenue. In addition, a number of buried utilities, including natural gas, street light electrical, telephone and water were detected running beneath the sidewalk along North Lake Boulevard and beneath the roadway shoulder along on the west side of Brassie Avenue. A water pipe was detected crossing Brassie Avenue at an angle and another suspected utility alignment was detected running down the center of Brassie Avenue. Several buried utilities running along the western side of North Shore Boulevard, at the eastern edge of the site were also detected. They include a natural gas pipeline and electrical and telecom cables associated with the cabinets, pedestals, electrical transformer and utility vaults observed in this area.

The EM61 data show a linear metal-indicating response alignment associated with the unidentified buried utility the open area east of Brassie Avenue that was previously detected with the RD-8000 and M-Scope. In addition, several broader metal-indicating response were observed, including those along the northern edge of the site that can be readily attributed to a metal lawn roller and a pair of reinforced concrete shuffleboard courts. AGS suspects that the other broad EM61 anomalies evident on Figure 3 are associated with utility vaults that were hidden beneath the snow at the time of the investigation.

8.0 LIMITATIONS OF GEOPHYSICAL LOCATING METHODS

In general, a geophysical method's limitations for detecting a particular target are related to the target's size, burial depth, the amount of contrast in material properties between the target and surrounding material, and finally, the amount of interference from surrounding site features. For a target to be

detected it must have sufficient size to reflect or otherwise disturb some the incoming energy used for detection. It also must have enough contrast with the surrounding material to reflect or otherwise disturb enough of the incoming energy so as to be detected. And, finally, it can't be buried so deeply that the reflected/disturbed energy is so dissipated that it is too weak to be detected when it returns to the surface. Weak energy returns during geophysical investigations are further exacerbated by ambient noise like that produced by natural and cultural features, such as utilities, fences, parked vehicles, vegetative cover, and debris. In general, the Buchanan Airport Business Park site was free of vehicles and other large surface metal objects that could interfere with the EM61 survey's ability to detect a metal UST. Accordingly, conditions at the Buchanan Airport Business Park site were favorable for UST detection; however, the limited GPR signal penetration depth prevented the larger metal objects detected with the EM61 from being definitively identified.

9.0 CLOSING

All geophysical data and field notes collected for this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the targets identified or the presence or absence of additional objects or targets.

We appreciated working for you on this project and hope to work with you again. If you have any questions, I can be reached at (925) 808-8965 or Rsmith@Advancedgeo.com.

Respectfully,

Roark W. Smith, GP 987
Senior Geophysicist
Advanced Geological Services

Figures:

Figure 1	Site Location Map (imbedded in Report text, above)
Figure 2	Geophysical Investigation Results
Figure 3	EM61 Contour Map
Figure 4	Geophysical Survey Coverage- EM61 and GPR Line Locations

EXPLANATION

NOTE: SITE COVERED BY SNOW AT TIME OF INVESTIGATION (12/ 3/19)

EM61 ANOMALY-
METAL-CONTAINING AREA

AREA COULD NOT BE ACCESSED DUE THICK VEGETATION AND STANDING WATER

BURIED UTILITIES DETECTED:

- ELECTRICAL
- NATURAL GAS
- TELEPHONE
- WATER
- UNIDENTIFIED

0 30 60

ADVANCED GEOLOGICAL SERVICES

1605 School Street
Suite 4
Moraga, CA 94556
(925) 631-1989

Geophysical Investigation Results
Buried Objects/Substructure Investigation
Kings Beach Western Approach Project

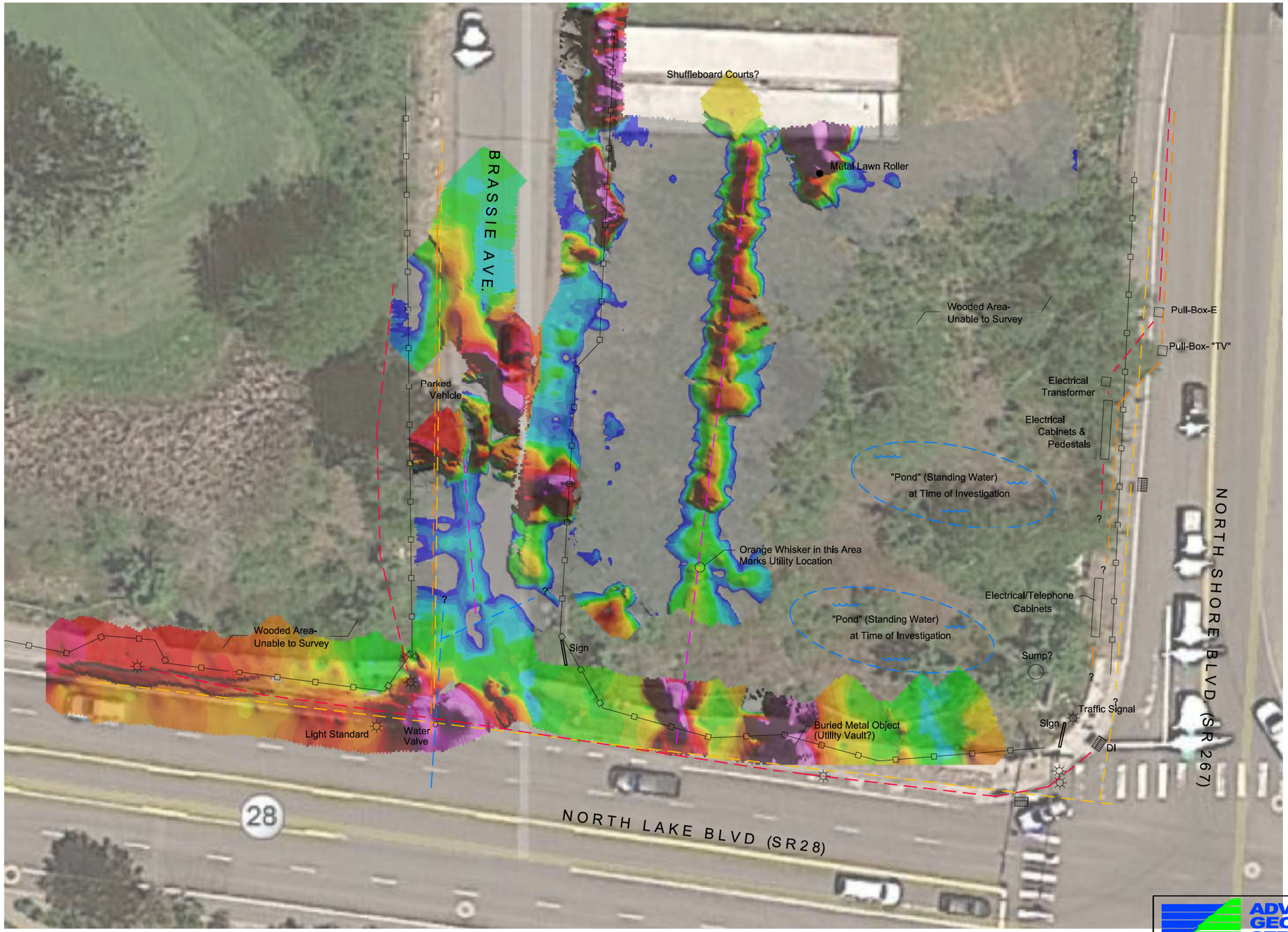
LOCATION: Kings Beach, California

CLIENT: Nichols Consulting Engineers, Chtd.

PROJECT #: 19-134-1CA

DATE: Dec 29, 2019 DRAWN BY: R. SMITH

FIGURE 2



Metal-Containing Area

1.9 3.5 4.1 4.8 5.4 6.2 7.8 11.0 16.1 21.0 25.9 37.0 49.9 67.1 89.6 115.8 192.3 366.8

EM61 Top Coil Response (mV)

0 30 60

ADVANCED GEOLOGICAL SERVICES

1605 School Street
Suite 4
Moraga, CA 94556
(925) 631-1989

EM61 Survey Results
Buried Objects/Substructure Investigation
Kings Beach Western Approach Project

LOCATION: Kings Beach, California

CLIENT: Nichols Consulting Engineers, Chtd.

PROJECT #: 19-134-1CA

DATE: Dec 29, 2019

DRAWN BY: R. SMITH

FIGURE 3

Shuffleboard Courts?

Metal Lawn Roller

BRASSIE AVE.

Wooded Area-
Unable to Survey

Pull-Box-E

Pull-Box- "TV"

Parked
Vehicle

Electrical
Transformer

Electrical
Cabinets &
Pedestals

"Pond" (Standing Water)
at Time of Investigation

NORTH SHORE BLVD. (SR 267)

Orange Whisker in this Area
Marks Utility Location

Electrical/Telephone
Cabinets

"Pond" (Standing Water)
at Time of Investigation

Sump?

Sign

Wooded Area-
Unable to Survey

Buried Metal Object
(Utility Vault?)

Sign

Traffic Signal

Light Standard

Water
Valve

DI

NORTH LAKE BLVD (SR28)

28

EXPLANATION

NOTE: SITE COVERED BY SNOW
AT TIME OF INVESTIGATION (12/ 3/19)

EM61 SURVEY LINE

GPR SURVEY LINE

NOTE: SITE WAS ALSO SCANNED WITH
AN RD-8000 PIPE-AND-CABLE
LOCATING SYSTEM AND A FISHER TW-6
M-SCOPE METAL DETECTOR

0 30 60

ADVANCED GEOLOGICAL SERVICES

1605 School Street
Suite 4
Moraga, CA 94556
(925) 631-1989

Geophysical Survey Lines
Buried Objects/Substructure Investigation
Kings Beach Western Approach Project

LOCATION: Kings Beach, California

CLIENT: Nichols Consulting Engineers, Chtd.

PROJECT #: 19-134-1CA

DATE: Dec 29, 2019 DRAWN BY: R. SMITH

FIGURE 4

Revised Draft Phase I Environmental Site Assessment

Kings Beach Western Approach Project

October 16, 2019

NCE

Sacramento, CA
8795 Folsom Blvd., Suite 250
Sacramento, CA 95826

Prepared for:

GHD

943 Reserve Drive, Suite 100
Roseville, CA 95814

Collaboration. Commitment. Confidence.℠

1011.02.25

Revised Draft Phase I Environmental Site Assessment (ESA)
Kings Beach Western Approach Project
Kings Beach, California

Prepared on Behalf Of
GHD
943 Reserve Drive, Suite 100
Roseville, CA 95678

Prepared by:

Catrina Toy
Staff Scientist

Kiri Ando
Project Scientist

NCE
8795 Folsom Blvd., Suite 250
Sacramento, CA 95826

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Plates 2a-2c – Site, Parcels and Nearby Facilities
Plate 3 – Project Site with Previous Investigation Data

Photo Logs

Photo Logs 1-4

Appendices

A. EDR Radius Map Report
B. Historical Aerial Photographs
C. Historical Topographic Maps
D. Sanborn Fire Insurance Map Search Results
E. Property Tax Map Report
F. Building Permit Report
G. Environmental Lien and AUL Search
H. City Directories
I. Existing Reports

EXECUTIVE SUMMARY

NCE conducted a Phase I Environmental Site Assessment (ESA) in support of the Kings Beach Western Approach Project located in Kings Beach, Placer County, California (Plates 1 and 2a-2c). The proposed project includes construction of a four-leg hybrid roundabout that will eliminate the existing signalized intersection at State Route (SR) 28 and SR 267 or result in a modified signalized intersection at SR 28/267. The project includes excavating, grading, and the construction of new road pavement, pedestrian lighting, sidewalks, shared-use paths, curb and gutter, and landscaping, as well as restriping, utility relocation, and underground and above-ground storm drain installations. There is also a potential Placer County right-of-way (ROW) take near the proposed roundabout on Brassie Avenue and Caltrans ROW take along SR 28. (Plates 2a-2c).

The project boundary (Site) totals approximately 10.47 acres and consists of Caltrans and Placer County roadways and ROW, and privately-owned parcels. Ground disturbance and restriping activities will take place around the intersection of SR 28 and SR 267, where the Site extends approximately 2,640 feet west on SR 28, 422 feet east on SR 28, and 1,320 feet north on SR 267. The Site also includes 2 possible ROW takes northwest of the SR 28/267 intersection, and 8 staging areas of approximately 25,000 square feet or smaller along Speckled Street, Dolly Varden Avenue, Rainbow Avenue, and SR 28 (Plates 2a-2c).

The purpose of this Phase I ESA is to identify, to the extent feasible, Recognized Environmental Conditions (RECs) resulting from the improper use, manufacture, storage, and/or disposal of hazardous or toxic substances at or in the vicinity of the Site that may be encountered during construction and/or need to be considered as part of the acquisition of ROW. The objective is to identify RECs in areas of potential ROW acquisitions and/or ground disturbing or dewatering construction activities. It is also intended to satisfy the level of effort often referred to as "All Appropriate Inquiry" (AAI) in the Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA), 42 United State Code § 9601, with the objective of allowing a potential real estate transaction involving the Site to qualify for the landowner liability protections afforded by CERCLA.

The qualifications of the Environmental Professional completing this ESA and responsible for preparation of this report meet the standards included in the AAI Final Rule.

Findings

Near the project site groundwater occurs as shallow as 3 to 5 feet below the ground surface and flows towards the south (PARIKH Consultants, Inc. 2012). Impacts to soil and groundwater from total petroleum hydrocarbons (TPHs) in the vicinity of two facilities near or within portions of the eastern Site boundary were identified in a Phase II ESA performed by Geocon as part of the Kings Beach Commercial Core Improvement Project (Geocon Consultants, Inc. 2013). Database records reviewed in the Radius Report (Appendix A), along with documents available on GeoTracker provided additional details about the two facilities detailed below:

1. Beacon Station #3601 is located at 8070 North Lake Blvd. (SR 28), just southeast of proposed excavation/construction work on SR 28 (Plates 1-3). The EDR Radius Report indicates that the facility is inactive and contained a 4,000-gallon diesel underground storage tank (UST), a 10,000-gallon regular fuel tank, and a 10,000-gallon unleaded fuel tank. A leaking underground storage tank (LUST) case was

opened in June 1983; the potential contaminant is listed as gasoline and the potential medium is an aquifer used for drinking water supply. While residual impacts to soil and groundwater still exist, the LUST case was closed in May 2010 after a "No Further Action letter" was issued (Appendix A). A review of existing site records indicates that initial impacts to groundwater and soil extended into the southeastern border of the Site (Horizon Environmental Inc. 2009 and Geocon Consultants, Inc. 2013) (Plate 3). According to information available on GeoTracker, the monitoring well nearest the Site had reported diesel (TPH-d) concentrations of 240 parts per billion (ppb) in 1998 but TPH-d was not detected above laboratory reporting limits (50 ppb) in the last two monitoring events (2005). Gasoline (TPH-g), methyl tert-butyl ether (MTBE) and benzene, toluene, ethene and xylenes (BTEX) were reported as non-detect in the most recent three monitoring events (2008) (Horizon Environmental Inc. 2009).

2. Ken's Tire Center is located at 8001 North Lake Blvd., just northeast of the SR 28/267 intersection (Plates 1-3). The EDR Radius Report indicates that a LUST case was opened in August 1986; the potential contaminant is listed as gasoline and the potential medium is an aquifer used for drinking water supply. The leak was reportedly stopped in 1988 and the LUST case was closed in October 1997. This facility received multiple hazardous materials storage and hazardous waste treatment violations. While no data is available for this facility on GeoTracker, the Geocon report indicates that impacts to groundwater and soil extend into the eastern side of the SR 28/SR 267 intersection and to the east and south of the Site (Geocon Consultants, Inc. 2013) (Plate 3).

NCE performed soil screening during the geotechnical investigation conducted as part of the Kings Beach Western Approach Project. The geotechnical investigation included the drilling of seven borings (B-2, B-3, B-5, B-7, B-8, B-9 and B-10) (Plate 3). During the investigation soils were screened for visual and olfactory indications of contamination, as well as screened using a photoionization detector (PID). Select soil samples were submitted for analytical testing for TPHs. There were no obvious indications of contamination noted during the visual and olfactory screening. However, analytical testing identified three locations (B-5, B-8 and B-9) with reported concentrations of TPHs in soil (Appendix I; Plate 3) (NCE, 2019b). B-5 is in the vicinity of the North Tahoe Fire Station. According to the Radius Report, the fire station currently has two above ground storage tanks (ASTs) and formerly had three USTs (Appendix A). Borings B-8 and B-9 are located just west of the intersection of the SR28/267 intersection and in relative proximity to each other. There are no known identified sources for these hydrocarbons.

Conclusions

Based on the findings discussed above, it is possible that excavation work performed within the Site will encounter fuel-impacted soil and/or groundwater, particularly in the areas around Ken's Tire Center, Beacon Station #3601, the North Tahoe Fire Station (boring B-5) and in the vicinity of borings B-8 and B-9. In addition, the potential ROW acquisition areas are location just north of borings B-8 and B-9. Assuming a southward groundwater flow direction, the source of the hydrocarbons in B-8 and B-9 could be from an upgradient location including the planned ROW acquisition. Phase II efforts, particularly within the potential ROW acquisition areas, would be needed to better evaluate the nature of these concerns, and to understand the nature and extent (if any) of associated impacts to soil and groundwater.

Data Gaps

No interviews with local, state or federal agencies, or property owners were conducted as part of this Phase I ESA. It is unlikely that information provided by these individuals would have had an impact on the conclusions made by this Phase I ESA.

LIST OF ABBREVIATIONS

AAI	All Appropriate Inquiry
ACM	Asbestos-containing materials
AMSD	Approximate Minimum Search Distance
APN	Assessor's Parcel Number
AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitations
BTEX	Benzene, toluene, ethylene and xylenes
CalEPA	California Environmental Protection Agency
CERS	California Environmental Reporting System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CREC	Controlled Recognized Environmental Condition
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FINDS	Facility Index System
HREC	Historical Recognized Environmental Condition
HSWA	Hazardous and Solid Waste Amendments
kg	kilogram
LQG	Large quantity generator
LUST	Leaking underground storage tank
mg	milligram
MTBE	Methyl tertiary-butyl ether
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NTPUD	North Tahoe Public Utility District
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated biphenyl
pCi/L	picocuries per liter
ppb	parts per billion
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RWQCB	Regional Water Quality Control Board
Site	Area covered by this Phase I ESA
SQG	Small quantity generator
SR	State Route
SWEEPS	Statewide Environmental Evaluation and Planning System
TPH	Total petroleum hydrocarbons
TPH-d	Total petroleum hydrocarbons (diesel range)
TPH-g	Total petroleum hydrocarbons (gasoline range)
TSCA	Toxic Substances Control Act

USC	United States Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	Underground storage tank
WDR	Waste Discharge Requirements

1.0 INTRODUCTION

1.1 General

NCE conducted a Phase I Environmental Site Assessment (ESA) in support of the Kings Beach Western Approach Project located in Kings Beach, Placer County, California (Plates 1 and 2a-2c). The proposed project includes construction of a four-leg hybrid roundabout that will eliminate the existing signalized intersection at State Route (SR) 28 and SR 267 or result in a modified signalized alternative. The project also includes excavating, grading, and the construction of new road pavement, pedestrian lighting, sidewalks, shared-use paths, curb and gutter, and landscaping, as well as restriping, utility relocation, and underground and aboveground storm drain installations. There is also a potential Placer County right-of-way (ROW) take near the proposed roundabout on Brassie Avenue and Caltrans ROW take along N Shore Blvd. (Plates 2a-2c). The signalized alternative footprint fits wholly within the roundabout footprint.

The project boundary (Site) totals approximately 10.47 acres and consists of Caltrans and Placer County roadways and ROW, and privately-owned parcels. Ground disturbance and restriping activities will take place around the intersection of SR 28 and SR 267, where the Site extends approximately 2,640 feet west on SR 28, 422 feet east on SR 28, and 1,320 feet north on SR 267. The Site also includes 2 possible right-of-way takes northwest of the SR 28/267 intersection, and 8 staging areas of approximately 25,000 square feet or smaller along Speckled Street, Dolly Varden Avenue, Rainbow Avenue, and SR 28 (Plates 2a-2c).

This report focuses on identifying Recognized Environmental Conditions (RECs) in the vicinity of potential ROW acquisitions and ground disturbing construction activities.

1.2 Purpose and Scope

1.2.1 Purpose

The primary purpose of this Phase I ESA is to identify, to the extent feasible, RECs resulting from the improper use, manufacture, storage, and/or disposal of hazardous or toxic substances at the Site. The objective is to identify RECs in areas of potential ROW acquisitions and/or ground disturbing or dewatering construction activities. It is also intended to satisfy the level of effort often referred to as "All Appropriate Inquiry" (AAI) in the Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA), 42 United State Code (USC) § 9601, with the objective of allowing a potential real estate transaction involving the Site to qualify for the landowner liability protections afforded by CERCLA. The qualifications of the Environmental Professional completing this ESA and responsible for preparation of this report meet the standards included in the AAI Final Rule.

The American Society for Testing and Materials (ASTM) Standard E1527-13 uses the term "RECs" to assess environmental risks associated with a property. The term is defined as "the presence or likely presence of any hazardous substances or petroleum products at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include *de minimis* conditions, a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Identification of RECs falls into three categories: existing REC (as defined above), Historical REC (HREC), or Controlled REC (CREC).

- HREC - A HREC is defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations (AULs), institutional controls, or engineering controls)."

- CREC - A CREC is defined as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, AULs, institutional controls, or engineering controls)."

1.2.2 Scope

The specific scope of the Phase I ESA for the Site included the following:

- Review readily available environmental databases maintained by federal, state, and local agencies within the ASTM E1527-13 approximate minimum search distances, as described in Section 5.0 of this report. A copy of the Environmental Radius Report, provided by Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut, and the Environmental Lien Report, are attached as Appendices A and G, respectively.

- Review readily available historical documents such as aerial photographs, topographic maps, Certified Sanborn Maps, Property Tax Map Report, and Building Permit Report to look at previous facilities and activities at the Site and in the vicinity of the SR 28/SR 267 intersection. Copies of the historical aerial photographs, historical topographic maps, Sanborn Fire Insurance Maps, Property Tax Map Report and Building Permit Report are included in Appendices B through F, respectively.

- Perform reconnaissance of the Site to visually observe on-site conditions for evidence of environmental impacts such as soil staining, stressed vegetation, ponded liquids, mounded soils, excavations, discarded drums, monitoring wells, etc.; and potential environmental concerns such as underground storage tanks (USTs), aboveground storage tanks (ASTs), polychlorinated biphenyl (PCB)-containing materials, or other hazardous materials or wastes present at the Site with respect to surrounding property uses and natural surface features.

- Interview persons familiar with the Site to obtain information on present and previous on-site activities potentially resulting in the environmental degradation of the Site or adjoining properties.

- Prepare this report to summarize the findings of the investigation.

The following table presents a summary of the individuals contacted or to whom requests for documentation were made as part of this assessment:

Name	Affiliation	Telephone No.	Relationship to the Site
Ms. Lindsey Van Parys	Project Manager - GHD Associate	(916) 782-8688	Project Manager

1.3 Data Gaps

A data gap is a lack of or inability to obtain information required by the ASTM Standard despite good faith efforts to gather such information (ASTM E1527-13 § 3.3.21). Data gaps may result from incompleteness in any of the activities required by the ASTM Standard. The following data gaps summarized in the table on the next page were identified during the Phase I ESA:

Data Gap	Explanation	Significance of Gap
Interviews were not conducted with state and/or local government officials.	It was not deemed critical to contact state and/or local government officials to understand RECs and/or potential RECs at the Site.	The Site visit, client interviews, and aerial photo investigations provided adequate information to understand the Site history. It is unlikely that interviews with state and/or local government officials would alter the outcome of the analysis.
Pre-Survey Questionnaire was not returned	The pre-survey questionnaire was not returned to NCE.	It is unlikely that additional information provided by owners of Old Brockway Golf Course would alter the outcome of the analysis.

2.0 SITE SALIENT ASSIGNMENT INFORMATION

NCE Project No.:	1011.02.55
Project Name:	Kings Beach Western Approach Project
Assessor's Parcel Numbers (APNs):	See Plates 2a-2c
City, County, and State:	Kings Beach, Placer County, California
Primary Use:	Vehicular and pedestrian transportation
Site Area:	Approximately 10.47 acres
Reported Number of Tenants:	None
Number of Buildings:	None

3.0 SITE DESCRIPTION

3.1 SITE LOCATION

The Site is irregular in shape and is located northwest, west, northeast, and east of the intersection of SR 267 and SR 28 (Plates 1 and 2a-2c) in Kings Beach, California. The approximate center of the SR 28 and SR 267 intersection within the Site is located at latitude 39.237969 and longitude -120.031544. The Site includes an approximate 0.52 miles along SR 28 and 0.26 miles along SR 267, and consists of Caltrans and Placer County roadway and ROW, a portion of the Old Brockway Golf Course, eight staging areas, and two potential ROW takes. Lake Tahoe is located approximately 325 feet south of the Site.

The climate in Kings Beach is characterized as warm in the summer with wet, snowy winters, with an average of 28 inches of rainfall and 143 inches of snow per year (U.S. Climate Data 2016).

3.2 Utilities

Utility information related to the Site is summarized in the following table.

Utility	Provider
Water	North Tahoe Public Utility District (NTPUD)
Sanitary Sewer / Storm Drain	NTPUD and Caltrans
Electric	Liberty Utilities
Gas/Oil	Southwest Gas Corporation

3.4 Surrounding Land Use

According to the online Placer County Zoning Map, the Site is zoned for commercial and residential use (County of Placer 2019a).The Site is predominantly publicly owned Caltrans ROW and used as a transport corridor. As mentioned, Lake Tahoe lies approximately 325 feet south of the southern Site limits.

Residences and recreational lodging, as well as associated recreational areas, sit between the lake and SR 28. The North Tahoe Marina is just west of the Site boundaries along SR 28. Commercial establishments, including a restaurant, grocery story, hardware store, and recreational equipment providers sit immediately north of SR 28 to the west and east of SR 267. The Old Brockway Golf Course, residences, and vegetated areas sit to the west the of the Site boundaries along SR 267. The area also has underground utilities associated with these facilities as well as storm drain infrastructure along the SRs and a stormwater basin in the southeast corner of the golf course, just northwest of the SR 28/267 intersection. Land use immediately east of SR 267 is primarily residential, including Griff Creek (see Section 3.5.3 below).

3.5 Physical Site Setting

3.5.1 Shapes and Sizes of the Parcels

The shapes and sizes of the parcels are as follows (Plate 2):

Parcel Number	Shape	Approximate Size
Site is composed of portions of 44 APNs (Plate 2)	Irregular to rectangular	Total is approximately 10.47 acres
*Acreage totals were calculated using computer-aided design software measurement tools and may not reflect exact acreage totals for the Site.		

3.5.2 Topography

According to the U.S. Geological Survey (USGS) Kings Beach 2012 7.5-minute quadrangle map (Kings Beach, CA), Site topography is relatively flat with a slight slope to the east and an elevation of approximately 6,230 feet above mean sea level (USGS 2012) (Appendix C).

3.5.3 Surface Waters and Wetlands

Surface Waters

The primary source of surface water to the Site comes from direct precipitation, stormwater runoff from SR 267, nuisance water from the golf course, and runoff from development north of the Site. A concrete culvert conveys nuisance water and stormwater runoff; the culvert discharges from the west side of SR 267 into the man-made stormwater basin located at the southeast corner of the Old Brockway Golf Course. Griff Creek is a perennial drainage that originates to the north and drains into Lake Tahoe (NCE 2019a).

Wetlands

No wetlands were identified within the area surveyed in association with the Site as part of the wetland delineation (NCE, 2019a). Review of the U.S. Fish and Wildlife Service (USFWS) Wetland Online Mapper indicates the presence of a freshwater forested/shrub wetland area east of the Site.

3.5.4 Soils, Geology, Groundwater and Seismicity

Geology

The Site lies within the northern part of the Lake Tahoe Basin, an intermountain basin within the Sierra Nevada. Plutonic rocks from the Mesozoic age constitute the Sierra Nevada batholith, which lies in the northern half of the Sierra Nevada. On the west side of the batholith is the western metamorphic belt, a terrain made of weakly metamorphosed volcanic and sedimentary rocks that have been strongly deformed from the Paleozoic and Mesozoic ages (PARIKH Consultants, Inc. 2012).

Review of a geological map showed that Kings Beach is composed of lake deposits and beach deposits. Lake deposits consist of thin-bedded sandy silt and clay. Beach deposits are composed of sorted, fine to very fine coarse to gravelly arkosic sand that comes from the decomposition of granite in the area (Saucedo 2005).

Hydrogeology

The Site is located within the North Lahontan Hydrologic Region as defined by the Lahontan Regional Water Quality Control Board (RWQCB) and the California Department of Water Resources (RWQCB 2017). A 2012 Geotechnical Design Report prepared for the Kings Beach Commercial Core Improvement Project (and whose project boundary includes some portions

of the Site) states that, "groundwater level is anticipated to vary with the passage of time due to seasonal groundwater fluctuation surface and subsurface flows, ground surface run-off". Review of this report indicates that the first encountered water-bearing zone occurs between approximately 3 and 7 feet below ground surface (PARIKH Consultants, Inc. 2012).

The California State Water Resources Control Board GeoTracker site was reviewed to obtain nearby groundwater flow direction. Reports reviewed suggest that the overall groundwater flow is towards the south (Horizon Environmental, Inc. 2010).

Seismicity

The North Tahoe fault is a latest quaternary fault that lies approximately 1 mile east of the Site. This fault is oriented north-south with the most recent deformation displayed less than 15,000 years ago (USGS 2000).

The Agate Bay Fault is an undifferentiated quaternary fault that lies approximately 2 miles to the west of the Site. This fault is orientated north-south with the most recent deformation displayed less than 130,000 years ago (USGS 2000).

3.6 Current Site Use

Current Site use is indicated below:

SR 28 and SR 267
These roadways are currently active asphalt/concrete paved thoroughfares supporting vehicle and pedestrian transportation.

Old Brockway Golf Course
The portion of the golf course that is located within the Site is an active asphalt paved street that supports vehicle and pedestrian transportation, a stormwater basin, and vegetation.

Privately Owned Parcels
The staging areas are currently empty lots used for parking or storage.

3.7 Environmental Permits

NCE did not receive information pertaining to any environmental permits or liens associated with the Site.

4.0 HISTORICAL USE

4.1 Historical Records Reviewed

The historical records review included researching and examining the following records:

- Existing reports
- Historical topographic maps
- Historical fire insurance maps (Sanborn Maps)
- Historical aerial photographs;
- Property Tax Map Report
- Environmental Lien and AUL Search
- City Directories

Provided below is a summary of NCE's review of this information.

4.1.1 Existing Reports

Existing Site records include:

- A 2012 Geotechnical Design Report by PARIKH Consultants, Inc.
- A 2013 Phase II ESA Report performed by Geocon Consultants, Inc. as part of a different project called the Kings Beach Commercial Core Improvement Project. The Kings Beach Commercial Core Improvement Project Phase II ESA included some portions of the eastern part of the Kings Beach Western Approach Project Site
- A 2019 Soil Screening Findings Report conducted by NCE to look for the presence of obvious signs of impacted soil and/or groundwater

The 2012 Geotechnical Design Report did not identify any potential environmental concerns associated with the Site (PARIKH Consultants, Inc. 2012).

The 2013 Phase II ESA included the advancement of 23 four-foot soil borings and 5 groundwater samples collected within the Kings Beach Commercial Core Improvement Project area and also included review of previous reports of investigations in the area (Placer County's Electronic Document Center, Lahontan Regional Water Quality Board files, GeoTracker).

Analytical testing of soil samples as part of the Geocon investigation showed the presence of petroleum hydrocarbon-impacted soil and or groundwater at seven facilities along SR 28. Two of these (Beacon Station and Ken's Tire Center) are within the Site boundary and are potential environmental concerns (Plate 3). The Phase II ESA concluded that at the seven identified locations, "hydrocarbon-impacted soil and/or groundwater should be anticipated during earthwork activities, depending on the depth of the excavation" (Geocon Consultants, Inc. 2013).

The NCE 2019 Soil Screening Findings Report included the screening of soil samples collected from seven soil borings within the Site's boundary and vicinity (Appendix I) (Plate 3). Soil samples were visually screened as well as screened with a photoionization detector (PID) in the field for indications of impacts. Select soil samples were sent to a California certified laboratory and analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylene (BTEX), and methyl tertiary-butyl ether (MTBE). Petroleum hydrocarbons were detected at three of the seven locations: one in the North Tahoe Fire Department main driveway located outside of the Site boundary and two located on SR 28 in front of the Old Brockway Golf Course (Appendix I) (Plate 3; Photo Log 2). The Soil Screening Findings Report concluded that there is a potential to encounter impacted soils during construction (NCE 2019b).

4.1.2 Historical Topographic Maps

NCE reviewed historical topographic maps for the Site vicinity for the years 1891, 1893, 1895, 1932, 1940, 1955, 1969, 1994, and 2012. These maps are presented in Appendix C. The following table summarizes this review.

Year	Site Area	Surrounding Properties
1891	The Site appears to have four unidentified structures at the intersection of SR 28 and SR 267. An unnamed river flows north-south through the Site into Lake Tahoe.	An unnamed river to the west flows northwest south through the Site into Lake Tahoe. The State Line, Agate Bay, and a Hot Spring are labeled.
1893	Same	Same
1895	Same	Same
1932	Same	The Site is surrounded by structures to the north, east, south, and west. A Tahoe Vista point is labeled southwest of the Site. There are roads to the north from SR 28 depicted on the east side of the Site.
1940	Same	Same
1955	Alignment of Brassie Ave. leading from SR 28 into Old Brockway Golf Course, is shown.	Kings Beach is labeled on the map. Brockway Golf Course is depicted on the map.
1969	A structure is visible in the northwest corner of Old Brockway Golf Course.	Same
1994	Same	Kings Beach State Recreation Area is labeled. Structures surrounding the Site have increased.
2012	The structure in the northwest corner of Old Brockway Golf Course is no longer visible.	Moon Dune Beach is labeled southwest of the Site.

Review of the historical topographical maps did not reveal potential RECs as a result of historical uses of the Site.

4.1.3 Historical Fire Insurance Maps (Sanborn Maps)

Sanborn Maps constitute a source of prior site uses for many cities and towns in the United States. The maps were originally created to assist insurance underwriters in understanding the potential fire risk of structures requiring insurance; however, they are also useful in determining the previous uses of a site. Sanborn Maps often contain information relating to uses of individual structures, location of certain petroleum and chemical storage tanks, and the storage of other potentially toxic substances. Sanborn Maps begin their coverage in 1867 and continue through the 1990s.

NCE requested EDR to conduct a search for available Sanborn Maps. Searching an information source such as Sanborn Maps constitutes part of the due-diligence necessary for an ESA. Sanborn Maps covering the Site were not available.

4.1.4 Historical Aerial Photographs

Aerial photographs frequently provide visual documentation of Site conditions at the time of the photographs. Activities such as dumping or industrial use can often be discerned through the review of aerial photographs. NCE reviewed historical aerial photographs and Google Earth photos for the years 1939, 1948, 1952, 1956, 1962, 1969, 1973, 1976, 1984, 1992, 1998, 2004, 2005, 2006, 2009, 2010, 2011, 2012, 2013, 2014, 2017, and 2018 for the Site and surrounding areas. The historical aerial photographs were provided by EDR and are presented in Appendix B. A summary of the aerial photographs reviewed for the Site and surrounding property is presented in the following table.

Site Location			
Year	**Site Area**	**Adjoining Properties**	**Source(s)**
1939	The Old Brockway Golf Course and the road leading into the golf course are visible. Roads are present at the current SR 28/267 intersection. .	A few roads and buildings are visible in the vicinity, primarily east of SR 267 and south of SR 28.	EDR
1948	Same	There is some increase in development south of SR 28 and east of SR 267; a building at the Ken's Tire location is visible.	EDR
1952	Same	There are several buildings visible south of SR 28. There are multiple residences visible east of SR 267. Multiple buildings are visible east of the Site along SR 28. Areas along SR 28 appears to be commercial.	EDR
1956	Same	Same	EDR

Site Location			
Year	**Site Area**	**Adjoining Properties**	**Source(s)**
1962	Several structures are visible at the Old Brockway Golf Course including some within the Site near or within the potential ROW take.	There is a large building visible east of SR 267. There are now several buildings visible south of the western portion of the Site along SR 28. Southeast of the Site on SR 28 a gas station is visible. Buildings are also visible on the northeast corner of the SR 28/267 intersection at the Ken's Tire Center location. There is increased development along the eastern side of SR 267.	EDR
1969	There is a structure visible in the southeast corner of the Old Brockway Golf Course within the Site near or within the potential ROW take.	A large commercial building, at the current Safeway location can be seen northwest of the Site on SR 28. The surrounding area appears to be becoming more commercialized, particularly along SR 28.	EDR & Google Earth
1973	Same	Same	EDR
1976	Same	Possible additional structures at the Ken's Tire Center location.	EDR
1984	Same	Residential homes are visible adjacent to SR 267 as well as between the golf course greens. Areas along SR 28 have become increasingly developed and the area appears to have become more commercialized. There are additional structures visible east of the Ken's Tire Center location as well as to the southeast along SR 28.	EDR
1992	Same	There appears to be some ground disturbance along SR 28 in the southeast corner of the Old Brockway Golf Course. The structures adjacent to the Ken's Tire Center are no longer visible and appear to have been replaced with vegetation and a pond.	Google Earth

Site Location			
Year	**Site Area**	**Adjoining Properties**	**Source(s)**
1998	Several structures northwest of the SR 28/267 intersection are visible within the Site in the vicinity of the potential ROW take. There appears to have been additional grading in the southeast corner of the Old Brockway Golf Course around Brassie Ave.	The Safeway has been built behind the large commercial building on SR 28.	EDR& Google Earth
2004	The southeast corner of the Old Brockway Golf Course now has a driveway, building and parking lot, with vegetation to the southwest and southeast, just north of SR 28 and west of the SR 28/267 intersection. The previous structures at the very southeast corner of the golf course are no longer visible.	The large commercial building in front of the current Safeway location is no longer visible and has been converted to a parking lot.	Google Earth
2005	Same	Same	Google Earth
2006	Same	Same	EDR
2007	Same	Same	Google Earth
2009	Same	Same	Google Earth
2010	Same	Same	EDR & Google Earth
2011	Same	Same	Google Earth
2012	Same	Same	Google Earth
2013	Bocce ball courts southeast of the Old Brockway Golf Course building and parking area are visible. This is in the vicinity of a potential ROW take area.	Same	Google Earth
2014	Ponded water is visible in the southeast corner of the Old Brockway Golf Course in the vicinity of the current stormwater basin. This is in the vicinity of a potential ROW take area.	Same	EDR & Google Earth
2015	Same	Construction site is visible just north of the Site on SR 28 east of the Ken's Tire Center location.	Google Earth

Site Location			
Year	**Site Area**	**Adjoining Properties**	**Source(s)**
2016	Same	Lot east of the Ken's Tire Center location on SR 28 now has what appears to be a large retention basin/holding pond.	Google Earth
2017	Same	Same	EDR & Google Earth
2018	Same	Same	Google Earth

4.1.5 Environmental Lien and AUL Search

NCE requested an Environmental Lien and AUL search performed on North Lake Blvd (Appendix G). The search did not find any environmental liens or AULs.

4.1.6 Regulatory Actions & Previous Reports

No regulatory actions or previous reports are known to be associated with this property.

4.1.7 City Directories

The EDR City directories listings for the Site from 1977 to 2014 reveal a history of tenants and businesses in the vicinity of the Site. There are no listings for properties within the Site. City Directories may be found in Appendix H.

4.1.8 Chain-of-Ownership

Information obtained from deed information in the EDR Environmental Lien and AUL Search Report is presented in Appendix G, however considering the focus of this report is on proposed ground disturbing activities and ROW acquisition, the property ownership of concern is the Old Brockway Golf Course. Based on historical aerial photographs, the golf course appears to have been constructed in approximately 1939 during early stages of development of the region. According to the Old Brockway Golf Course website, it has been family owned and operated for the last 30+ years (Historic Old Brockway Golf Course 2019).

5.0 REGULATORY REVIEW

As part of this Phase I ESA, NCE conducted a records search using electronic database services provided by EDR. The Radius Report is a listing of facilities identified on select federal and state standard source environmental databases within the approximate minimum search distance (AMSD) specified by ASTM E1527-13 and AAI.

NCE reviewed each environmental database in the Radius Report. Shown in the table below is a list of the databases searched by EDR.

Databases Reviewed	Approx. Minimum Search Distance (AMSD; miles)	Number of Facilities Within AMSD
Federal Databases		
NPL	1.000	0
Proposed NPL	1.000	0
NPL LIENS	0.125	0
Delisted NPL	1.000	0
FEDERAL FACILTITY	0.500	0
SEMS	0.500	0
SEMS-ARCHIVE	0.500	0
CORRACTS	1.000	0
RCRA-TSDF	0.500	0
RCRA – LQG	0.250	1
RCRA – SQG	0.250	2
RCRA – CESQG	0.250	0
LUCIS	0.500	0
US ENG CONTROLS	0.500	0
US INST CONTROL	0.500	0
ERNS	0.125	0
State and Tribal Databases		
RESPONSE	1.000	0
ENVIROSTOR	1.000	1
SWF/LF	0.500	0
LUST	0.500	17
INDIAN LUST	0.500	0
CPS-SLIC	0.500	2
FEMA UST	0.250	0
UST	0.250	4
AST	0.250	5
INDIAN UST	0.250	0
VCP	0.500	0
INDIAN VCP	0.500	0
BROWNFIELDS	0.500	0
US BROWNFIELDS	0.500	0
WMUDS/SWAT	0.500	1
SWRCY	0.500	0

Databases Reviewed	Approx. Minimum Search Distance (AMSD; miles)	Number of Facilities Within AMSD
HAULERS	0.125	0
INDIAN ODI	0.500	0
DEBRIS REGION 9	0.500	0
ODI	0.500	0
IHS OPEN DUMPS	0.500	0
US HIST CDL	0.125	0
HIST CAL-SITES	1.000	0
SCH	0.250	1
CDL	0.125	0
TOXIC PITS	1.000	0
US CDL	0.125	0
CERS HAZ WASTE	0.250	8
Local Registered Storage Tanks		
SWEEPS UST	0.250	10
HIST UST	0.250	10
CA FID UST	0.250	0
CERS TANKS	0.250	3
Local Land Records		
LIENS	0.125	0
LIENS 2	0.125	0
DEED	0.500	0
Records of Emergency Release Reports		
HMIRS	0.125	0
CHMIRS	0.125	0
LDS	0.125	0
MCS	0.125	0
SPILLS 90	0.125	0
Other Ascertainable Records		
RCRA NONGEN/ NLR	0.250	0
FUDS	1.000	0
DOD	1.000	0
SCRD DRYCLEANERS	0.500	0
US FIN ASSUR	0.125	0
EPA WATCH LIST	0.125	0
2020 COR ACTION	0.250	0
TSCA	0.125	0
TRIS	0.125	0
SSTS	0.125	0
ROD	1.000	0
RMP	0.125	0
RAATS	0.125	0
PRP	0.125	0
PADS	0.125	0
ICIS	0.125	0

Databases Reviewed	Approx. Minimum Search Distance (AMSD; miles)	Number of Facilities Within AMSD
FTTS	0.125	0
MLTS	0.125	0
COAL ASH DOE	0.125	0
COAL ASH EPA	0.500	0
PCB TRANSFORMER	0.125	0
RADINFO	0.125	0
HIST FTTS	0.125	0
DOT OPS	0.125	0
CONSENT	1.000	0
INDIAN RESERV	0.125	0
FUSRAP	1.000	0
UMTRA	0.500	0
LEAD SMELTERS	0.125	0
US AIRS	0.125	0
US MINES	0.250	0
ABANDONED MINES	0.125	0
FINDS	0.125	8
DOCKET HWC	0.125	0
UXO	1.000	0
CA BOND EXP. PLAN	1.000	0
CORTESE	0.500	0
CUPA LISTINGS	0.250	0
DRYCLEANERS	0.250	0
EMI	0.125	4
ENF	0.125	2
FINANCIAL ASSURANCE	0.125	0
HAZNET	0.125	3
ICE	0.125	0
HIST CORTESE	0.500	8
HWP	1.000	0
HWT	0.250	0
MINES	0.125	0
CA PLACER CO MS	0.250	19
MWMP	0.250	0
NPDES	0.125	1
PEST LIC	0.125	0
PROC	0.500	0
NOTIFY 65	1.000	2
UIC	0.125	0
WASTEWATER PITS	0.500	0
WDS	0.125	1
WIP	0.250	0
WELL STIM PROJ	0.125	0
CIWQS	0.125	4

Databases Reviewed	Approx. Minimum Search Distance (AMSD; miles)	Number of Facilities Within AMSD
CERS	0.125	5
ECHO	0.125	1
UIC GEO	0.125	0
SAMPLING POINT	0.125	0
PROJECT	0.125	0
PROD WATER PONDS	0.125	0
OTHER OIL GAS	0.125	0
NON-CASE INFO	0.125	0
WDR	0.125	0
MILITARY PRIV SITES	0.125	0
EDR Exclusive Records		
EDR MGP	1.000	0
EDR HIST AUTO	0.125	3
EDR HIST CLEANER	0.125	0
Exclusive Recovered Govt. Archives		
RGA LF	0.125	0
RGA LUST	0.125	2
Notes: Sites may be listed in more than one database.		

5.1 Databases

Review of the databases provided by EDR (Appendix A) shows that there are approximately 129 records on facilities within up to a 1-mile radius of the Site (depending on search radius). It is noted here that facilities may be listed in multiple databases, resulting in multiple records for the same facility. The following sections detail the records on facilities located within 0.25 miles of the target property (Site). Details of the facilities located outside of the 0.25-mile radius can be found in the Radius Report (Appendix A).

5.1.1 Federal RCRA generators list (RCRA-LQG)

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

Analysis/Comment:

A review of the RCRA-LQG list, as provided by EDR and dated 03/01/2018, indicates that there is one RCRA-LQG site within approximately 0.25 miles of the target property.

1. The Safeway Store No. 1592 is located at 7815 North Lake Boulevard, adjacent to the northern boundary of the Site along SR 28. This facility is a grocery store and classified as a LQG. Hazardous wastes known to be stored at this facility are alkaline solutions

without metals, unspecified solvent mixture, pesticides, pharmaceutical waste, detergent and soap, ignitable hazardous waste, and corrosive hazardous waste. This facility is currently active, and this database shows that no violations have been found prior to this ESA.

Based on the types of wastes stored at this facility and the distance of the facility relative to soil disturbance activities within the Site, the potential for environmental concerns from this facility to have impacted the Site appears low.

5.1.2 RCRA-SQG

RCRA-SQG: The database includes RCRA small quantity generators (SQGs). SQGs generate between 100 and 1,000 kg of hazardous waste per month.

Analysis/Comment:

A review of the RCRA-SQG list, as provided by EDR and dated 03/01/2018, indicates that there are two RCRA-SQG sites within approximately 0.25 miles of the target property:

1. Rite Aid No. 6106 is located at 8245 North Lake Boulevard, approximately 0.114 miles east of the Site. Some hazardous wastes known to be stored at this facility are alkaline solution without metals; off-specification, aged, or surplus inorganics; inorganic solid waste; unspecified solvent mixture; waste and mixed oil; latex waste; pharmaceutical waste; unspecified organic liquid mixture; photochemicals; and ignitable hazardous waste. This facility is currently active, and this database shows that no violations have been found prior to this ESA.

   Based on the types of wastes stored at this facility and the distance of the facility relative to soil disturbing activities within the Site, the potential for environmental concerns from this facility to have impacted the Site appears low.

2. The Shell Service Station (now Kings Beach Chevron Station) located at Hwy 28 and Bear, is approximately 0.23 southeast of the Site. Hazardous wastes known to be stored at this facility are ignitable hazardous waste. This facility is discussed in Section 5.1.4 (LUSTs) number 3.

5.1.3 ENVIROSTOR

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

Analysis/Comment:

A review of the ENVIROSTOR list, as provided by EDR and dated 01/28/2019, indicates that there is one (1) ENVIROSTOR site within approximately 0.25 mile of the target property.

1. The Kings Beach Student Activity Center is located at 8081 Steelhead Avenue, approximately 0.14 miles northeast of the Site. This facility does not appear to be currently active under this name. In 2001, DTSC approved the Phase I letter with a No Further Action determination.

   Based on distance and the cross-gradient location of the facility, the potential for environmental concerns from this facility to have impacted the Site appears low.

5.1.4 Leaking Underground Storage Tanks (LUST)

The LUST Incident Reports contain an inventory of reported LUSTs. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System. GeoTracker is the Water Board's data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Analysis/Comment:

A review of the LUST list, as provided by EDR, indicates that there are nine LUST sites within approximately 0.250 miles of the target property:

1. Ann's Cottages is located at 8199 North Lake Boulevard, approximately 0.080 miles east of the Site (Plates 1 and 2a). The LUST case was opened in August 2005 with the potential contaminant listed as diesel and the potential medium as soil. The tank and the contaminated soil were removed, and the LUST case was closed in April 2006 with a "Closure/No Further Action" letter. Information available on GeoTracker suggests that the most recent sampling event in 2006 had non-detect or very low reported levels of TPHs in soil and groundwater (RWQCB 2006).

   Based on this facility's distance from ground disturbing activities within the Site, its cross-gradient location relative to groundwater flow, and the low levels of TPH reported in soil and groundwater samples in the most recent sampling event, the potential for environmental impacts from this facility to have impacted the Site appears low.

2. The Serpa Property is located at 710 Wolf Street, approximately 0.19 miles northeast of the Site (Plate 1). The LUST case was opened in November 1999 with the potential contaminant listed as gasoline and the potential medium as soil. The LUST case was closed in August 2000 with a "Closure/No Further Action" letter. Information available on GeoTracker suggests that the sources (two 1,000-gallon USTs and impacted soils) were removed in 2000 and confirmation sampling of soils resulted in non-detectable levels of TPHs to depths of 15-17 feet (no groundwater was encountered) (RWQCB 2000).

   Based on distance of this facility from proposed ground disturbance and the analytical data available on GeoTracker, the potential for environmental impacts from this facility to have impacted the Site appears low.

3. The Kings Beach Chevron Gas Station (formally Kings Beach Shell) is located at 8369 Kings Beach Blvd., approximately 0.24 miles east of the Site (Plate 1). The LUST case was opened in July 2004 with the potential contaminant listed as gasoline and the potential medium as an aquifer used for drinking water supply. The LUST case was closed in November 2014 with a "Closure/No Further Action" letter. Information available on GeoTracker suggests that the sources (three modern USTs and three orphaned undocumented USTs) were removed from the property and remediation in the form of impacted soils removal and oxygen sparging to enhance biodegradation was performed. Groundwater analytical results from the last 10 consecutive groundwater monitoring events (June 2011 through September 2013) reported all constituents of concern below detectable levels with the exception of MTBE which was reported at very low levels (RWQCB 2014).

   Based on this facility's distance from proposed ground disturbing activities, its cross-gradient location from groundwater flow, and analytical data discussed above, the potential for environmental impacts from this facility to have impacted the Site appears low.

4. The NTPUD is located at 141 Secline Street, approximately 0.030 miles southeast of the Site (Plates 1, 2a and 3). The LUST case was opened in June 1995 with the potential contaminant listed as diesel and the potential medium as an aquifer used for drinking water supply. The LUST case was closed in April 2002 with a "Closure/No Further Action" letter. No information for this facility was available on GeoTracker.

   Based on this facility's down-gradient location from the Site, the potential for environmental impacts from this facility to have impacted the Site appears low, however since it is adjacent to the Beacon Station, there may be TPH impacts to portions of the Site in proximity to this facility.

5. Kings Beach Shell comes up twice in this database and is located at 8369 North Lake Boulevard. This facility is now known as the Kings Beach Chevron Gas Station described above. Though assigned as separate cases in GeoTracker, the investigation, remediation and monitoring programs at the Chevron/Shell were combined into a single effort (RWQCB 2014).

6. Beacon Station #3601 comes up twice in this database and is located at 8070 N Lake Boulevard, just south of the Site and in the vicinity of proposed restriping and ground disturbance work (Plates 1, 2a and 3). This facility is inactive and listed in the database with a 4,000-gallon diesel tank, a 10,000-gallon regular fuel tank, and a 10,000-gallon unleaded fuel tank. The LUST case opened in June 1983 with the potential contaminant listed as gasoline and the potential medium as an aquifer used for drinking water supply. The LUST case was closed in May 2010 after a "No Further Action" letter was approved. There are no violations present in the database. According to information available on GeoTracker, the monitoring well nearest the Site had reported diesel (TPH-d) concentrations of 240 parts per billion (ppb) in 1998 but TPH-d was not detected above laboratory reporting limits (50 ppb) in the last two monitoring events (2005). Gasoline (TPH-g), MTBE and BTEX were reported as non-detect in the most recent three monitoring events (2008) (Horizon Environmental Inc. 2009).

   Based on proximity to proposed ground disturbance within the Site, the potential for environmental concerns from this facility to have impacted the Site appears moderate.

7. Ken's Tire Center is located at 8001 N Lake Boulevard and lies just outside the Site (Plates 1, 2a and 3; Photo Log 1). The facility is active under a new name, Sierra County Tire & Auto. The LUST case was opened in August 1986 with the potential contaminant listed as gasoline and the potential medium as an aquifer used for drinking water supply. In 1986, the leak was discovered and stopped by 1988. The LUST case was closed in October 1997. This facility received multiple violations, such as failure to send hazardous waste offsite for treatment, storage or disposal within 180 days; and failure to properly store and label hazardous materials. There is no analytical data available for this facility on GeoTracker.

   Based on the information provided by the database and the facility's proximity and up-gradient location relative to proposed ground disturbing activities within the Site, the potential for environmental concerns from this facility to have impacted the Site appears moderate.

5.1.5 UST: Underground Storage Tank

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the RCRA. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

Analysis/Comment:

A review of the UST list, as provided by EDR, indicates that there are four UST sites within approximately 0.25 miles of the target property.

1. The North Tahoe Marina is located at 7360 North Lake Boulevard, approximately 0.22 miles from the Site (Plate 1). This facility is an active recreational marina. This database does not report any adverse regulatory issues.

   Based on distance from the Site and its relative downgradient location, the potential for environmental concerns from this facility to have impacted the Site appears low.

2. Kings Beach Chevron; this property is discussed as item number 3 in Section 5.1.4 (LUST).

3. The Old Brockway Golf Course is located at 7900 North Lake Boulevard. Part of the golf course is within the Site. This database provides little information regarding USTs located at this facility and does not report any adverse regulatory issues. This facility comes up multiple times in different databases within the EDR Radius Map. The facility has no waste treatment system and poses a threat to water quality in the form of stormwater runoff, erosion waste, and solid waste. The facility has received enforcement fines in the past; however, the databases do not list that the facility has received a violation. Information available on GeoTracker only suggests that the facility has an active waste discharge requirement.

   Based on the proximity and up-gradient location of this facility relative to the Site, in addition to the analytical data provided by the Soil Screening Findings Report (Appendix I; Plate 3), the potential for this facility to have impacted the Site appears low to moderate.

4. The North Tahoe Station (known as Beacon #3601); this property is discussed as item number 6 under Section 5.1.4 (LUST).

5.1.6 AST: Aboveground Storage Tank

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

Analysis/Comment:

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

1. The North Tahoe Marina is located at 7360 North Lake Boulevard, approximately 0.22 miles from the Site (Plate 1). This facility is an active recreational marina with a total AST capacity of 6,000 gallons. This facility has received multiple violations over the years such as failing to label hazardous waste, failing to photograph and submit samples for stormwater control, and exceeding the total nitrogen event discharge limit of 5.0 milligrams/Liter.

   Based on the down-gradient location and distance from the Site, the potential for environmental concerns from this facility to have impacted the Site appears low.

2. Yankton Excavating, Inc. is located at 8229 Speckled Avenue, approximately 0.20 miles north of the Site (Plate 1). The total capacity at this facility in an AST is 2,000 gallons. This database does not report any adverse regulatory issues.

   Based on distance from proposed ground disturbance areas within the Site, the potential for environmental concerns from this facility to have impacted the Site appears low.

3. The California Pacific Electric Company LLC is located at Deer and Speckled Avenue, just west of one of the northern staging areas. The operator of the AST is Liberty Utilities. This database provides little information regarding ASTs located at this facility.

   Based on this facility's distance from an area of the Site with expected ground disturbance activities, the potential for environmental concerns from this facility to have impacted the Site appears low.

4. The NTPUD is located at 8070 N. Lake Tahoe Blvd., approximately 0.030 miles southeast of the Site (Plates 1 and 2a). The total capacity at this facility for ASTs is 10,152 gallons. This database provides little information regarding ASTs located at this facility and there are no records for this facility on GeoTracker.

   Based on its down-gradient location, the potential for environmental concerns from this facility to have impacted the Site appears low, however since it is adjacent to the Beacon Station, there may be TPH impacts to portions of the Site in proximity to this facility.

The North Tahoe Fire Station #52 is located at 288 Northshore Boulevard, approximately 30 feet northeast of the Site (Plates 1, 2a and 3a; Photo Log 2). The facility is still active. This

database provides little information regarding ASTs located at this facility however ASTs are typically double walled. In addition, ASTs were observed during the Site visit and no spills or leaks were identified.

Based on the information provided in the database and Section 5.1.8 (SWEEPS UST), the potential for environmental concerns from this facility to have impacted the Site appears moderate.

5.1.6 Local Lists of Hazardous Waste / Contaminated Sites (SCH)

SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category, depending on the level of threat to public health and safety or the environment that they pose.

Analysis/Comment

A review of the SCH list, as provided by EDR and dated 01/28/2019, indicates that there is one (1) SCH site within approximately 0.25 miles of the target property.

1. The Kings Beach Student Activity Center; this property is discussed as item number 1 in Section 5.1.3 (ENVIROSTOR).

5.1.7 California Environmental Reporting System CERS HAZ WASTE

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

Analysis/Comment

A review of the CERS HAZ WASTE list, as provided by EDR, indicates that there are eight CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

1. Old Brockway Golf Course; this property is discussed as item number 3 in Section 5.1.5 (UST).
2. Rite Aid No. 6106; this property is discussed as item number 2 in Section 5.1.2 (RCRA-SQG).
3. The North Tahoe Marina; this property is discussed as item number 1 in Section 5.1.6 (AST).
4. Kings Beach Shell; this property is discussed as item number 5 in Section 5.1.4 (LUST).
5. The Safeway No. 1592; this property is discussed as item number 1 in Section 5.1.1 (RCRA-LQG).
6. The North Shore Hardware store located at 200 Secline Street is approximately 0.125 miles from the Site. This facility is currently active. This facility has received two previous violations for failing to properly label hazardous waste accumulation containers and failure to annually review and electronically certify a business plan. Each of the

citations were returned into compliance by Placer County Environmental Health. There are currently no outstanding violations for this facility reported in this database.

Based on this facility's down-gradient location, the potential for environmental concerns to have impacted the Site appears low.

7. The North Tahoe Station (known as Beacon #3601); this property is discussed as item number 6 in Section 5.1.4 (LUST).

8. Ken's Tire Center; this property is discussed as item number 7 in Section 5.1.4 (LUST).

5.1.8 Statewide Environmental Evaluation and Planning System (SWEEPS UST)

The SWEEPS UST listing was updated and maintained by a company contracted by the State Water Resources Control Board in the early 1990s. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Analysis/Comment:

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

1. The Mobile Service Station, located at 8299 N Lake Boulevard, is approximately 0.114 miles east-southeast of the Site (Plate 1). This facility is closed and was reported to have had four 6,000-gallon USTs for motor vehicle fuel and waste oil. There are no records available for this facility on GeoTracker.

   Based on the distance and down-gradient location of this facility, the potential for environmental impacts from this facility to have impacted the Site appears low.

2. The NTPUD Kings Beach is located at 8318 N Lake Boulevard, approximately 0.215 miles southeast of the Site (Plate 1). This facility had a 1,000-gallon diesel tank on-site. There are no records available for this facility on GeoTracker.

   Based on the distance and down-gradient location of the facility from the Site, the potential for environmental impacts from this facility to have impacted the Site appears low.

3. North Tahoe Marina; this property is discussed as item number 1 in Section 5.1.6 (AST) and number 1 in Section 5.1.5 (UST).

4. The Old Brockway Golf Course, located at 7900 N Lake Boulevard, lies on the border of the Site on the north side. The facility is listed as active in the database with a 550-gallon fuel tank with regular unleaded gas and is discussed as item number 3 in Section 5.1.5 (UST).

5. The North Tahoe Fire Protection is discussed as item number 5 in Section 5.1.6 (AST). This facility appears twice in the SWEEPS UST database and is listed as active a 500-gallon diesel tank, three 550-gallon leaded gasoline tanks, and a 1,000-gallon diesel tank.

A boring in the vicinity of the Fire Station was drilled as part of the Soil Screening investigation and had reported low levels of TPH-D in soil at depths of 2.5 to 5 feet (Plate 3). The current status of the USTs reported in this database is not known.

Based on the information provided in the database and the Soil Screening Findings Report, the potential for environmental concerns from this facility to have impacted the Site appears moderate.

6. North Tahoe Station; this property is discussed as item number 7 in Section 5.1.7 (CERS HAZ WASTE).

7. The NTPUD; this property is discussed as item number 4 in Section 5.1.4 (LUST).

8. The Secline Street Sewer Pump House is located at 8072 Secline Street is located approximately 500 feet east of the Site (Plate 1). The facility is listed as active in the database with a 515-gallon diesel tank. There are no regulatory reports currently in the database.

   Based on distance from proposed ground disturbing activities within the Site, and its cross-gradient location, the potential for environmental concerns from this facility to have impacted the Site appears low.

9. Ken's Tire Center; this property is discussed as item number 7 in Section 5.1.4 (LUST).

5.1.9 HIST UST

Historical UST Registered Database.

Analysis/Comment:

A review of the HIST UST list, as provided by EDR, indicates that there are 10 HIST UST sites within approximately 0.25 miles of the target property.

1. Mobile Service Station; this property is discussed as item number 1 in Section 5.1.8 (SWEEPS UST).

2. NTPUD Kings Beach comes up twice in this database; see item number 2 under Section 5.1.8 (SWEEPS UST).

3. Kings Beach Shell; this property is discussed as item number 5 in Section 5.1.4 (LUST).

4. The Woodvista Golf Course, located at 7900 N. Lake Boulevard, is adjacent and south of the Site (Plates 1 and 2a). The facility is listed in the database with a 500-gallon fuel tank. There are no violations present in the database.

   Based on the facility's down-gradient location, the potential for environmental concerns from this facility to have impacted the Site appears low.

5. North Tahoe Fire Protection; this property is discussed as item number 5 in Section 5.1.8 (SWEEPS UST).

6. The Transam North Tahoe Mobile, located at 8070 N Lake Boulevard, is approximately 26.4 feet away from the Site (Plates 1 and 2a). The facility is listed in the database with a 4,000-gallon diesel UST and a 10,000-gallon fuel UST. A LUST case was listed on GeoTracker for this location. The LUST case opened in June 1983 with the potential contaminant listed as gasoline and the potential medium as an aquifer used for drinking water supply. The LUST case was closed in May 2010 after a "No Further Action" letter was issued. There are no violations present in the database.

   Based on the facility's down-gradient location the potential for environmental concerns from this facility to have impacted the Site appears low, however since it is adjacent to the Beacon Station, there may be TPH impacts to portions of the Site in proximity to this facility.

7. Beacon Station #3601; this property is discussed as item number 6 in Section 5.1.4 (LUST).

8. Secline Street Sewer Pump House; this property is discussed as item number 8 in Section 5.1.8 (SWEEPS UST).

9. Ken's Tire Center; this property is discussed as item number 7 in Section 5.1.4 (LUST).

5.1.11 CERS TANKS

CERS TANKS; List of sites in the CalEPA Regulated Site Portal, which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Analysis/Comment:

A review of the CERS TANKS list, as provided by EDR, indicates that there are three CA Facility Inventory Database UST sites within approximately 0.25 miles of the target property.

1. North Tahoe Marina; this property is discussed as item number 1 in Section 5.1.6 (AST) and item number 1 in Section 5.1.5 (UST).

2. Kings Beach Shell; this property is discussed as item number 5 in Section 5.1.4 (LUST).

3. North Tahoe Station; this property is discussed as item number 7 in Section 5.1.7 (CERS HAZ WASTE).

5.1.12 The Facility Index System (FINDS)

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and Toxic Substances Control Act (TSCA) Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control; Federal Reporting Data System; Surface Impoundments; TSCA Chemicals in Commerce Information System; PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/National Technical Information Service.

Analysis/Comment:

A review of the FINDS list, as provided by EDR and dated 11/15/2018, indicates that there are eight FINDS sites within approximately 0.125 miles of the target property.

1. Old Brockway Golf Course; this property is discussed as item number 3 in Section 5.1.5 (UST) and number 4 in Section 5.1.8 (SWEEPS UST).

2. The North Tahoe FPD Station 52 comes up twice in this database and is located at 288 SR 267, adjacent to the Site. The environmental interest in the facility is classified as air emissions unknown. This facility is also discussed as item number 5 in Section 5.1.6 (ASTs).

3. The Safeway Store comes up twice in the database; see item number 1 in Section 5.1.1 (RCRA-LQG).

4. The North Lake Pier is located at 7770 N Lake Boulevard, adjacent to the Site.

5. Ken's Tire Center; this property is discussed as item number 7 in Section 5.1.4 (LUST).

6. Sierra County Tire & Auto (known as Ken's Tire Center); this property is discussed as item number 7 in Section 5.1.4 (LUST).

5.1.13 ECHO

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Analysis/Comment:

A review of the ECHO list, as provided by EDR and dated 09/02/2018, indicates that there is one ECHO site within approximately 0.125 miles of the target property.

1. Safeway Store; this property is discussed as item number 1 in Section 5.1.1 (RCRA-LQG).

5.1.14 EMI

EMI: Toxics and criteria pollutant emissions data collected by the California Air Resource Board and local air pollution agencies.

Analysis/Comment:

A review of the EMI list, as provided by EDR and dated 12/31/2017, indicates that there are four EMI sites within approximately 0.125 miles of the target property.

1. North Tahoe FPD Station comes up twice in this database; see item number 2 in Section 5.1.12 (FINDS).

2. Old Brockway Golf Course; this property is discussed as item number 3 in Section 5.1.5 (UST) and item number 4 in Section 5.1.8 (SWEEPS UST).

3. Safeway Store; this property is discussed as item number 1 in Section 5.1.1 (RCRA-LQG).

5.1.15 ENF

ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Analysis/Comment:

A review of the ENF list, as provided by EDR and dated 11/01/2018, indicates that there are two ENF sites within approximately 0.125 miles of the target property.

1. Old Brockway Golf Course; this property is discussed as item number 3 in section 5.1.5 (UST) and number 4 in Section 5.1.8 (SWEEPS UST).

2. North Lake Pier; this property is discussed as item number 4 in Section 5.1.12 (FINDS).

5.1.16 HAZNET

HAZNET: The data are extracted from the copies of hazardous waste manifests received each year by the DTSC. The volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests and continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Analysis/Comment:

A review of the HAZNET list, as provided by EDR and dated 12/31/2017, indicates that there are three HAZNET sites within approximately 0.125 miles of the target property.

1. Safeway Store comes up twice in this database; see item number 1 in Section 5.1.1 (RCRA-LQG).

2. Old Brockway Golf Course; this property is discussed as item number 3 in in Section 5.1.5 (UST) and item number 4 in Section 5.1.8 (SWEEPS UST).

5.1.15 Historical Cortese

Sites for the Historical Cortese are designated by the State Water Resource Control Board LUST. The Integrated Waste Boards SWF/LS, and the DTSC. This listing is no longer updated by the state agency.

Analysis/Comment:

A review of the HIST CORTESE list, as provided by EDR and dated 04/01/2001, indicates that there are four unique HIST CORTESE sites within approximately 0.25 miles of the target property.

1. Serpa Property; this property is discussed as item number 2 in Section 5.1.4 (LUST).
2. Beacon 3601; this property is discussed as item number 6 in Section 5.1.4 (LUST).
3. NTPUD; this property is discussed as item number 2 in Section 5.1.8 (SWEEPS UST).
4. Ken's Tire Center; this property is discussed as item number 7 in Section 5.1.4 (LUST)

5.1.18 Placer County Master List

CA PLACER CO. MS: Placer County Master List of Facilities includes AST, UST, site clean-ups.

Analysis/Comment:

A review of the CA PLACER CO. MS list, as provided by EDR and dated 11/29/2018, indicates that there are 19 CA PLACER CO. MS sites within approximately 0.25 miles of the target property.

1. Old Brockway Golf Course; this property is discussed as item number 3 in Section 5.1.5 (UST) and number 4 in Section 5.1.8 (SWEEPS UST).
2. Ann's Cottages; this property is discussed as item number 1 in Section 5.1.4 (LUST).
3. Rite Aid 6106; this property is discussed as item number 1 in Section 5.1.2 (RCRA-SQG).
4. Mobile Service Station; this property is discussed as item number 1 in Section 5.1.8 (SWEEPS UST).
5. Kings Beach Elementary School is located at 8125 Steelhead, approximately 0.135 miles from the Site. The facility is listed as closed.
6. North American Fire Exting. Co. is located at 8325 North Lake Boulevard, approximately 0.156 miles west of the Site. The facility is listed as closed and there is little information on this facility in the database.

   Based on the distance of this facility, the potential for environmental concerns is low.
7. New Cingular Wireless PCS, LLC DBA AT&T Mobility is located at 8197 Speckled Avenue, approximately 0.174 miles from the Site. The facility is listed as closed and it was a part of the HAZMAT Business Plan. There is little information on this facility in the database.

   Based on distance of this facility from proposed ground disturbance areas within the Site, the potential for environmental concerns is low.

8. Serpa Property; this property is discussed as item number 2 in Section 5.1.4 (LUST).

9. Yankton Excavating Inc.; this property is discussed as item number 2 in Section 5.1.6 (AST).

10. North Tahoe Marina; this property is discussed as item number 1 in Section 5.1.6 (AST) and item number 1 in Section 5.1.5 (UST).

11. Liberty Utilities - CALPECO Brockway Substation is located at 8303 Cutthroat Avenue, approximately 0.22 miles from the Site. The facility is listed as active in the database and was part of the HAZMAT Business Plan. The facility had one incident in which 200 gallons of unknown PBC Mineral Oil was released from a regulator due to inclement weather. The release was contained and was cleaned by a contractor. No waterways were impacted due to the incident. There are no violations listed in the database.

    Based on distance of this facility from proposed ground disturbance areas within the Site, the potential for environmental concerns is low.

12. Kings Beach Shell; this property is discussed as item number 5 in Section 5.1.4 (LUST).

13. Safeway #1592; this property is discussed as item number 1 in Section 5.1.1 (RCRA-LQG).

14. North Shore Hardware; this property is discussed as item number 6 in Section 5.1.7 (CERS HAZ WASTE).

15. North Tahoe Station; this property is discussed as item number 7 in Section 5.1.7 (CERS HAZ WASTE).

16. North Tahoe Fire Station 52; this property is discussed as item number 5 in Section 5.1.6 (AST).

17. NTPUD, located at 7860 N Lake Boulevard, is approximately 0.021 miles from the Site. The facility is listed as closed and it was a part of the HAZMAT Business Plan. There are no violations listed in the database.

    Based on the down-gradient location of this facility, the potential for environmental concerns to have impacted the Site is low.

18. NTPUD; this property is discussed as item number 4 in Section 5.1.4 (LUST) and item number 4 in Section 5.1.6 (AST).

19. Ken's Tire Center; this property is discussed as item number 7 in Section 5.1.4 (LUST).

5.1.19 Notify 65

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Analysis/Comment:

A review of the Notify 65 list, as provided by EDR and dated 09/19/2018, indicates that there is one unique Notify 65 site within approximately 1 mile of the target property.

1. Beacon 3601; this property is discussed as item number 6 in Section 5.1.4 (LUST).

5.1.20 Waste Discharge System

WDS: California Water Resources Control Board - Waste Discharge System.

Analysis/Comment:

A review of the WDS list, as provided by EDR and dated 06/19/2007, indicates that there is one WDS site within approximately 0.125 miles of the target property.

1. Old Brockway Golf Course; this property is discussed as item number 3 in Section 5.1.5 (UST) and item number 4 in Section 5.1.8 (SWEEPS UST).

5.1.21 Waste Discharge Requirements

WDR: In general, the Waste Discharge Requirements (WDR) Program (sometimes also referred to as the "Non-Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDR Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Analysis/Comment:

A review of the WDR list, as provided by EDR and dated 12/10/2018, indicates that there are two WDR sites within approximately 0.125 miles of the target property.

1. Old Brockway Golf Course; this property is discussed as item number 3 in Section 5.1.5 (UST) and number 4 in Section 5.1.8 (SWEEPS UST).

2. Safeway #1592; this property is discussed as item number 1 in Section 5.1.1 (RCRA-LQG).

5.1.22 The California Integrated Water Quality System

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Analysis/Comment:

A review of the CIWQS list, as provided by EDR and dated 12/03/2018, indicates that there are four CIWQS sites within approximately 0.125 miles of the target property.

1. Old Brockway Golf Course; this property is discussed as item number 3 in Section 5.1.5 (UST) and number 4 in Section 5.1.8 (SWEEPS UST).

2. Safeway #1592; this property is discussed as item number 1 in Section 5.1.1 (RCRA-LQG).

3. North Lake Pier; this property is discussed as item number 4 in Section 5.1.12 (FINDS).

4. Kings Beach Gateway, located at 8001 North Lake Boulevard, is on the border of the target property. This facility had a Region 6 S. Lake Tahoe Permit which was terminated in December 2016. The facility is no longer active and has no listed violations, however currently Ken's Tire Center operates from this address and is discussed as item number 7 in Section 5.1.5 (UST).

5.1.23 The CalEPA Regulated Site Portal database

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials.

Analysis/Comment:

A review of the CERS list, as provided by EDR and dated 10/22/2018, indicates that there are five CERS sites within approximately 0.125 miles of the target property.

1. Old Brockway Golf Course; see item number 3 in Section 5.1.5 (UST) and number 4 in Section 5.1.8 (SWEEPS UST).

2. Safeway #1592; this property is discussed as item number 1 in Section 5.1.1 (RCRA-LQG).

3. North Shore Hardware; this property is discussed as item number 6 in Section 5.1.7 (CERS HAZ WASTE).

4. Ken's Tire Center; comes up twice in this database; see item number 7 in Section 5.1.4 (LUST).

5.1.24 NPDES: National Pollutant Discharge Elimination System Permits Listing

A listing of NPDES permits, including stormwater.

Analysis/Comment:
A review of the NPDES list, as provided by EDR, indicates that there is one NPDES site within approximately 0.125 miles of the target property.

1. Kings Beach Gateway; this property is discussed as item number 4 in Section 5.1.22 (CIWQS).

5.1.24 EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns but may not show up in current government records searches.

Analysis/Comment:

A review of the EDR Hist Auto list, as provided by EDR, indicates that there are three EDR Hist Auto sites within approximately 0.125 miles of the target property.

1. The Raschs Freedie Mobile Service, located at 8299 North Lake Boulevard, is approximately 0.114 miles southeast of the Site. According to the database, Raschs Freedie Mobile Service was a Gasoline Service Station from 1969 to 1977. Currently this location is a Mobile Service Station and is discussed as item number 1 in Section 5.1.8 (SWEEPS UST).

2. The Angelos Philips 66 Service (known as Beacon #3601,); this property is discussed as item number 6 in Section 5.1.4 (LUST).

3. Ken's Tire Center; this property is discussed as item number 7 in Section 5.1.4 (LUST).

5.1.25 RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive LUST database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from records formerly available from the State Water Resources Control Board in California.

Analysis/Comment:

A review of the RGA LUST list, as provided by EDR, indicates that there are two RGA LUST sites within approximately 0.125 miles of the target property.

1. Ken's Tire Center; comes up twice in this database; see item number 7 in Section 5.1.4 (LUST).

6.0 SITE RECONNAISSANCE

As noted in Section 1.2.2 Scope, a reconnaissance of the Site and surrounding vicinity was conducted by NCE on July 26, 2019.

The weather conditions at the time of the Site visit were clear skies, with no weather-induced limitations to NCE's visit. Photographs taken as part of the site visit are provided in the attached Photo Logs 1-4.

6.1 Chemical Storage and Usage

No chemical storage tanks were observed on the Site or in the vicinity of the Site.

6.2 Bulk Storage Tanks

Two ASTs used for fuel were observed adjacent to the Site boundary at the North Tahoe Fire Station #52 (Photo Log 2; Plates 1 and 2a). One aboveground storage propane tank was located at the NTPUD Moondunes Satellite Station adjacent to the western boundary of the Site (Photo Log 2; Plate 1). Each tank was located on a concrete pad and no ground staining or odors were observed; no regulatory reports have been filed based on a review of the EDR Radius Map and GeoTracker.

6.3 Site Waste and Wastewater

Solid Waste

NCE did not observe evidence of improper solid waste disposal at the Site.

Sanitary Sewage

NCE did not observe evidence of sanitary sewer systems associated with the Site.

Hazardous Waste

No indications of hazardous waste were observed at the Site.

6.4 Stained Soil, Stained Pavement, or Stressed Vegetation

No stained soils or stressed vegetation were observed.

6.5 Liquid Discharges

No indications of liquid discharges were observed at the Site.

6.6 Pools of Liquid

NCE did not observe any standing surface water or pools containing liquids likely to be hazardous substances or petroleum products during the Site visit.

6.7 Pits, Ponds, or Lagoons

NCE did not observe any natural depressions in the ground surface that were likely to hold liquid or sludge containing hazardous substances or petroleum products during the site visit.

A man-made stormwater basin was observed in the northwest corner of the intersection of SR 28 and SR 267 on Old Brockway Golf Course (Plate 2). The stormwater basin is used to catch stormwater runoff and nuisance water from the surrounding area.

6.8 Wells

No features indicative of the presence of groundwater wells were observed at the Site.

6.9 On-Site Fill

NCE did not identify any unexpected on-site fill.

6.10 Drums and Containers for Storing Waste

No drums or containers for storing waste were observed at the Site.

6.11 Floor Drains and Sumps

There are no building currently on the Site. NCE did not identify any floor drains or sumps within the boundaries of the Site.

6.12 Odors

NCE did not identify noxious or foul odors suspected to represent an environmental concern in connection with the Site.

6.13 Air Emissions

NCE did not observe processes or equipment emitting noticeable vapors or fumes from the Site.

6.14 Polychlorinated Biphenyls (PCBs)

PCBs can be present in coolants or lubricating oils used in older electrical transformers, hydraulic systems, and other similar equipment. TSCA extended regulatory control over the use of PCBs to the EPA. In November 1979, the EPA generally prohibited the domestic manufacture of PCBs in electromagnets, transformers, and heat-transfer and hydraulic equipment. If present, features such as transformers, are inspected for obvious leaks and physical evidence such as stains or cracks indicating possible current or past leaks. There was one pole transformer and seven pad-mounted transformers observed within the Site (Photo Logs 3-4). No fluids associated with the transformers (i.e., leaking) were observed at the Site.

6.15 Asbestos-Containing Material (ACM)

Many building materials such as structural steel fireproofing, acoustic finishes, ceiling texture, ceiling tile, suspended ceiling panels, textured and elastomeric paints, window

putty, flexible duct connectors, rubbery pipe insulation tape, building wiring insulation, pipe, boiler, and vessel insulation, interior plaster, and duct insulation commonly contained asbestos until the late 1970s. Other types of ACM were commonly used until the middle to late 1980s, such as drywall joint compound, exterior stucco, sheet vinyl flooring, vinyl flooring products, flooring and other mastics (adhesives), roof tiles and coatings, asbestos-cement products and flues.

Under the TSCA, EPA banned the use of asbestos in many products in 1993. However, several categories of building products were not subject to the ban. Thus, existing and even new buildings may lawfully contain ACM. In addition, materials that contain greater than one percent asbestos fibers are considered regulated ACM and must be handled according to EPA and Occupational Safety and Health Administration (OSHA) regulations.

ACM were not identified by NCE during the site visit; moreover, ACM were not included in the Phase I ESA scope of work.

6.16 Lead-in-Drinking Water

The major source of lead in drinking water is leaching of lead from household plumbing materials or water service lines used to bring water from the main to the home or building. Lead can leach into drinking water through contact with the plumbing, solder, fixtures and faucets (brass) and fittings.

6.17 Radon

Radon is a naturally occurring radioactive gas. It is released during the natural decay of uranium, radium and thorium in soil, rock and groundwater beneath homes and buildings. As uranium naturally breaks down, it releases radon gas, which is a colorless, odorless, radioactive gas. Radon enters homes through direct floors, cracks in concrete walls and floors, floor drains, and sumps. When radon becomes trapped in buildings and concentrations accumulate and increase indoors, exposure to radon can become a concern. Its occurrence in the state of California is influenced primarily by geology.

Based on statistical information maintained within the EPA dated 1993, radon concentrations in Placer County have a medium rating with an indoor radon average of 2-4 picocuries per liter (pCi/L). These concentrations are less than the 4.0 pCi/L action level established by EPA (EPA 1993). Based on this information, it is unlikely that radon represents an environmental concern to the Site.

6.18 Lead-Based Paint (LBP)

There were no painted structures observed within the Site.

7.0 INTERVIEWS

Interviews were not conducted with the current owners of the Old Brockway Golf Course or with other current or past owners of properties in the vicinity of the Site.

8.0 FINDINGS AND CONCLUSIONS

8.1 Phase I ESA Findings

Near the project site groundwater occurs as shallow as 3 to 5 feet below the ground surface and flows towards the south (PARIKH Consultants, Inc. 2012). Impacts to soil and groundwater from TPHs in the vicinity of two facilities near or within portions of the eastern Site boundary were identified in a Phase II ESA performed by Geocon as part of the Kings Beach Commercial Core Improvement Project (Geocon Consultants, Inc. 2013). Database records reviewed in the Radius Report (Appendix A), along with documents available on GeoTracker provided additional details about the two facilities detailed below:

1. Beacon Station #3601 is located at 8070 North Lake Blvd., just southeast of proposed excavation/construction work on SR 28 (Plates 1-3). The EDR Radius Report indicates that the facility is inactive and contained a 4,000-gallon diesel UST, a 10,000-gallon regular fuel tank, and a 10,000-gallon unleaded fuel tank. A LUST case was opened in June 1983; the potential contaminant is listed as gasoline and the potential medium is an aquifer used for drinking water supply. While residual impacts to soil and groundwater still exist, the LUST case was closed in May 2010 after a "No Further Action letter" was issued (Appendix A). A review of existing site records indicates that initial impacts to groundwater and soil extended into the southeastern border of the Site (Horizon Environmental Inc. 2009 and Geocon Consultants, Inc. 2013) (Plate 3). According to information available on GeoTracker, the monitoring well nearest the Site had reported TPH-d concentrations of 240 ppb in 1998 but TPH-d was not detected above laboratory reporting limits (50 ppb) in the last two monitoring events (2005). TPH-g, MTBE and BTEX were reported as non-detect in the most recent three monitoring events (2008) (Horizon Environmental Inc. 2009).

2. Ken's Tire Center is located at 8001 North Lake Blvd., just northeast of the SR 28/267 intersection (Plates 1-3). The EDR Radius Report indicates that a LUST case was opened in August 1986; the potential contaminant is listed as gasoline and the potential medium is an aquifer used for drinking water supply. The leak was reportedly stopped in 1988 and the LUST case was closed in October 1997. This facility received multiple hazardous materials storage and hazardous waste treatment violations. While no data is available for this facility on GeoTracker, the Geocon report indicates that impacts to groundwater and soil extend into the eastern side of the SR 28/SR 267 intersection and to the east and south of the Site (Geocon Consultants, Inc. 2013) (Plate 3).

NCE performed soil screening during the geotechnical investigation conducted as part of the Kings Beach Western Approach Project. The geotechnical investigation included the drilling of seven borings (B-2, B-3, B-5, B-7, B-8, B-9 and B-10) (Plate 3). During the investigation soils were screened for visual and olfactory indications of contamination, as well as screened using a PID. Select soil samples were submitted for analytical testing for TPHs. There were no obvious indications of contamination noted during the visual and olfactory screening. However, analytical testing identified three locations (B-5, B-8 and B-9) with reported concentrations of TPHs in soil (Appendix I; Plate 3) (NCE, 2019b). B-5 is in the vicinity of the North Tahoe Fire Station. According to the Radius Report, the fire station currently has two ASTs and formerly had three USTs (Appendix A). Borings B-8 and B-9 are located just west of the intersection of the SR28/267 intersection and in relative proximity to each other. There are no known identified sources for these hydrocarbons.

8.2 Conclusions

Based on the findings discussed above, it is possible that excavation work performed within the Site will encounter fuel-impacted soil and/or groundwater, particularly in the areas around Ken's Tire Center, Beacon Station #3601, the North Tahoe Fire Station (boring B-5) and in the vicinity of borings B-8 and B-9. In addition, the potential ROW acquisition areas are location just north of borings B-8 and B-9. Assuming a southward groundwater flow direction, the source of the hydrocarbons in B-8 and B-9 could be from an upgradient location including the planned ROW acquisition. Phase II efforts, particularly within the potential ROW acquisition areas, would be needed to better evaluate the nature of these concerns, and to understand the nature and extent (if any) of associated impacts to soil and groundwater.

8.3 Data Gaps

No interviews with local, state or federal agencies, or property owners were conducted as part of this Phase I ESA. It is unlikely that information provided by these individuals would have had an impact on the conclusions made by this Phase I ESA.

9.0 LIMITATIONS

Information presented in this report does not confirm the presence or absence of subsurface contamination at the Site but indicates whether the possibility of such contamination exists. The professional opinions expressed herein are based on limited data; no other warranty is given or implied by this report. A more extensive assessment, which would include a surface and/or subsurface investigation and chemical analyses of soil and/or groundwater samples, would provide more definitive information concerning site-specific conditions. This report is complete and accurate to the extent that cited reports and agency information are complete and accurate.

This report has been prepared in compliance with the ASTM standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" E1527-13 as well as the EPA's AAI rule.

The observations described in this report were made under the conditions stated herein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services within the constraints imposed by the client. The work described in this report was carried out in accordance with the Terms and Conditions of the contract.

In preparing this report, NCE has relied on certain information provided by federal, state, and local officials and other parties referenced therein, and on information contained in the files of governmental agencies, that were readily available to NCE at the time of this assessment. Although there may have been some degree of overlap in the information provided by these various sources, NCE did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment. Observations were made of the Site and of the structures on the Site as indicated in this report. Where access to portions of the Site or to structures on the Site was unavailable or limited, NCE renders no opinion as to the presence of direct or indirect evidence relating to petroleum substances, hazardous substances, or both, in that portion of the Site and structure. In addition, NCE renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the ground surface, interior walls, floors, ceiling or a structure is obstructed by objects or materials, including snow, covering on or over these surfaces.

NCE does not represent that the Site referred to herein contains no petroleum or hazardous or toxic substances or other conditions beyond those observed by NCE during the Site walkthrough.

NCE has produced this document under an agreement between NCE and GHD. All terms and conditions of that agreement are included within this document by reference. Any reliance upon this document, or upon NCE's performance of services in preparing this document, is conditioned upon the relying party's acceptance and acknowledgement of the limitations, qualifications, terms, conditions, and indemnities set forth in that agreement, and property ownership/management disclosure limitations, if any. It is not to be relied upon by any party other than GHD nor used for any purpose other than that specifically stated in our Agreement or within this report's Introduction Section without NCE's advance and express written consent.

Environmental Professional Declaration:

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in § 312.10 of the Standards and Practices for All Appropriate Inquiries (AAI) Final Rule (EPA 2005).

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the project property. We have developed and performed the all appropriate inquiries in conformance with the standard and practices set forth in 40 Code of Federal Regulations Part 312.

10.0 REFERENCES

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Kings Beach Western Approach Project
Kings Beach, CA

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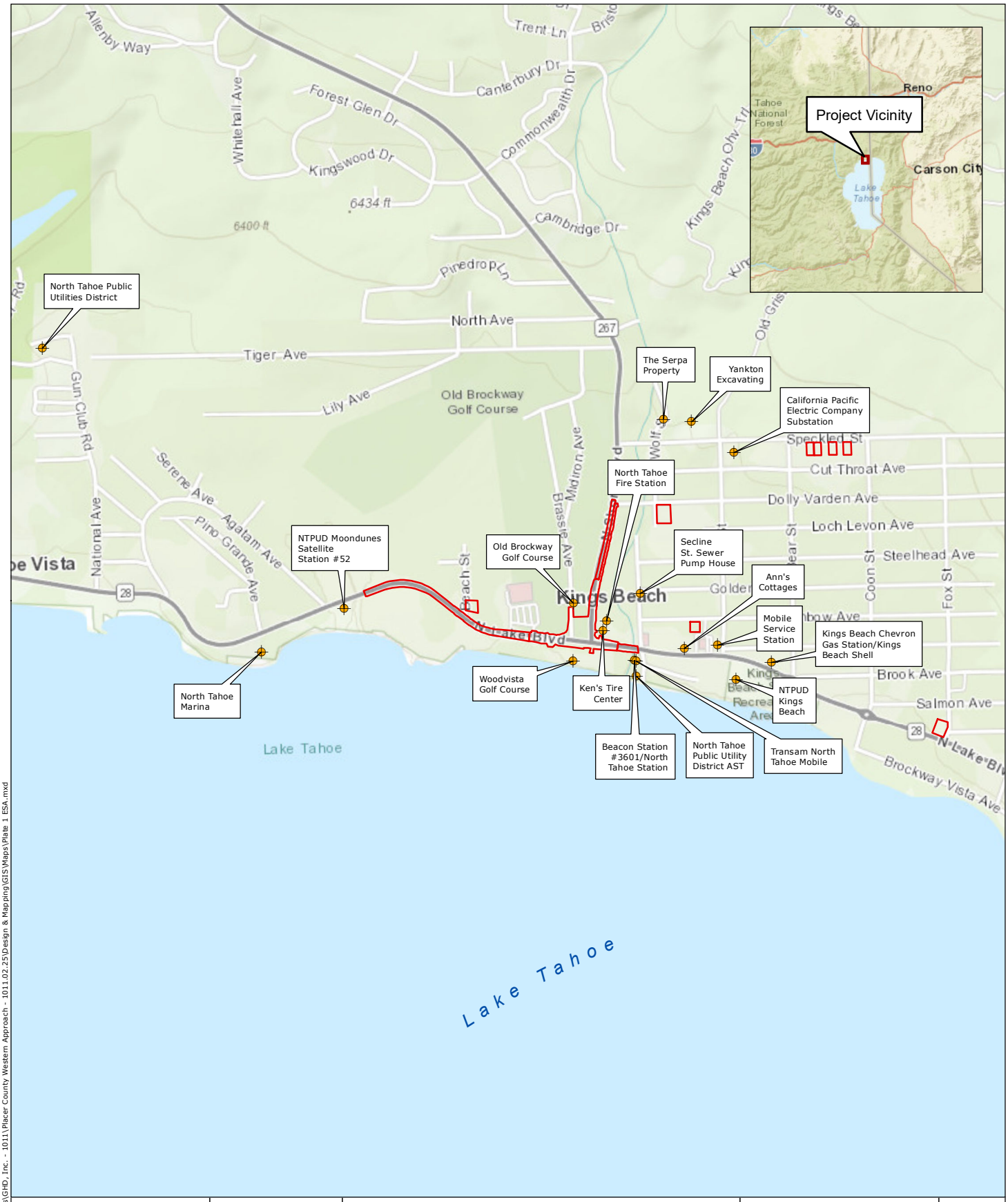
Quality Control Reviewer

Michael Leacox, P.G., C.E.G.
Principal

PLATES



Facility (EDR Radius Report)

Site

Site Vicinity and Facilities

Kings Beach Western Approach Project
Phase I Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 0.25 mile

0 0.125 0.25 mile

PLATE 1

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
ESRI World Topographic Map	1011.02.55	kando	8/30/2019		

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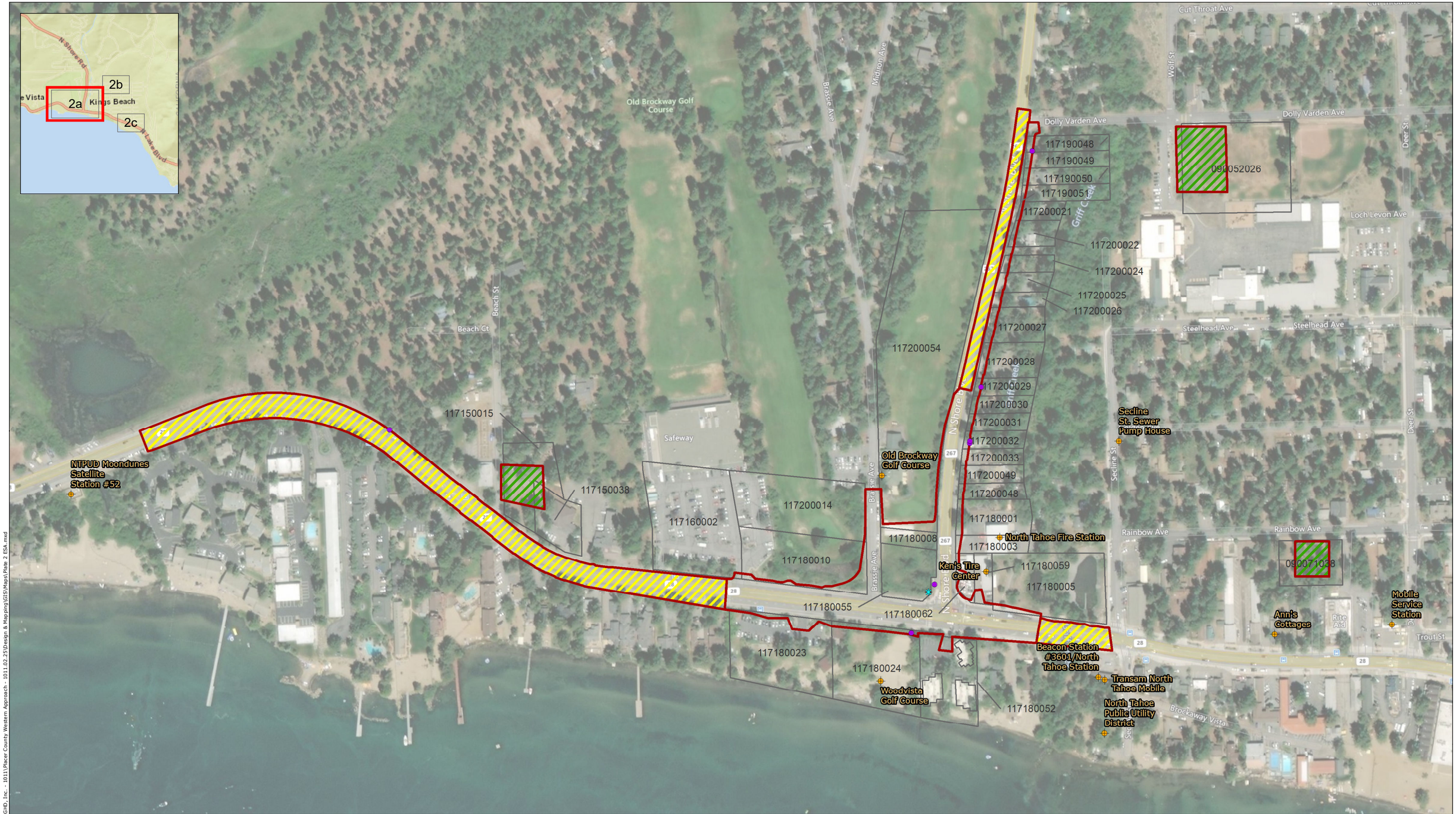

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- Transformer
- Stormwater Basin
- Facility (EDR Radius Report)
- Site
- Restriping Only Area
- Staging Area
- Parcel

Site, Parcels and Nearby Facilities

Kings Beach Western Approach Project
Phase I Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 250 ft.

0 125 250 ft.

PLATE 2a

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap	1011.02.55	kando	8/30/2019	9/10/2019	

Facility (EDR Radius Report)
Staging Area
Parcel

Site, Parcels and Nearby Facilities

Kings Beach Western Approach Project
Phase I Environmental Site Assessment
Kings Beach, Placer County, CA

N
1 in. = 150 ft.
0 75 150 ft.

PLATE 2b

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap	1011.02.55	kando	8/30/2019	9/10/2019	

Document Path: P:\Active Projects\GHD, Inc. - 1011\Placer County Western Approach - 1011.02.25\Design & Mapping\GIS\Maps\Plate 2 ESA.mxd

Staging Area
Parcel

Site, Parcels and Nearby Facilities

Kings Beach Western Approach Project
Phase I Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 150 ft.

0 75 150 ft.

PLATE 2c

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap	1011.02.55	kando	8/30/2019	9/10/2019	

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Only data in the vicnity of proposed earth-moving activities is shown.
Concentrations given in milligrams per kilogram (mg/kg) in soil.
NA = Not Analyzed
ND = Non Detect (above laboratory reporting limit)
TPH = Total Petroleum Hydrocarbons
SGC = Silica Gel Cleanup
d = Diesel
g = Gasoline
mo = Motor Oil
ho = Hydraulic Oil

Placer County ROW extends along Brassie Ave.
Remainder of ROW is owned by Caltrans.

Brassie Ave
Griff Creek
N Shore Blvd
Secline St
267
28

North Tahoe Fire Station
Ken's Tire Center
Ace Hardware
Hwy 28 Across from KB Safeway
Woodvista Golf Course
Beacon Station #3601/North Tahoe Station
Transam North Tahoe Mobile
North Tahoe Public Utility District
Hwy 28 at Secline St

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
3.0'	ND	ND	ND

B-7

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	ND	ND

B-10

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
3.0'	ND	1,800 (ho/mo)	960 (ho/mo)

B-9

B-8

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	30 (ho/mo)	5.8 (d); 16 (ho/mo)

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	2.5 (d)	ND
5.0'	ND	59 (d)	77 (d)

B-5

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.7'	ND	ND	ND

B-2

Residual TPH in soil and groundwater (>3')

Depth:	TPH-g	TPH-d	TPH-mo
1.0'	<4	21	99
4.0'	<4	15	56
9.0'	<4	<5	<10

Depth:	TPH-g	TPH-d	TPH-mo
1.0'	<4	29	200
4.0'	<2	<5	<10
8.0'	<1	<5	<10
9.0'	<2	<5	<10

B-3

Depth:	Volatile Organics:	TPH:	TPH (w/SGC)*:
2.5'	ND	ND	ND
5.0'	ND	ND	ND

DP2

NA

B-1

B-2

DP4

Depth:	TPH-g	TPH-d	TPH-mo
3.0'	NA	<1	<1
7.0'	<1	<1	1.3

Residual TPH in groundwater (>8')

DP6

Depth:	TPH-g	TPH-d	TPH-mo
3.0'	<1	44	100
7.0'	NA	<1	<1

- Facility (EDR)
- NCE (2019)
- Geocon (2010) (Geocon 2013)
- Kleinfelder (2006) (Geocon 2013)
- TPH-impacted Soil/Groundwater (Geocon 2013)
- Proposed County/Caltrans ROW Take
- Site
- Restriping Only Area

NCE

GHD

Project Site with Previous Investigation Data

Kings Beach Western Approach Project
Phase I Environmental Site Assessment
Kings Beach, Placer County, CA

N

1 in. = 80 ft.

0 40 80 ft.

PLATE 3

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hybrid Basemap, NCE, Geocon Consultants, Inc., GHD, EDR	1011.02.55	kando	9/3/2019	9/10/2019	

Document Path: P:\Active Projects\GHD, Inc. - 1011\Placer County Western Approach - 1011.02.25\Design & Mapping\GIS\Maps\Plate 3 ESA.mxd

PHOTO LOGS

Photo 1. View facing north on SR 267 (July, 2019).

Photo 2. View facing east into SR 28 from west of the Site. (July, 2019).

Photo 3. View facing northwest towards Sierra Tire Automotive (Ken's Tire Center) from the intersection of SR 28 and SR 267.

NCE
8795 Folsom Blvd., Suite 250
Sacramento, California 95826
(916) 388-5655

Site Photographs
Phase I Environmental Site Assessment
Kings Beach Western Approach Project
Kings Beach, Placer County, CA

Photo Log
1

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
CT	1011.02.55	KA	8/06/19	8/19/2019

Photo 4.View facing NTPUD Moondunes Satellite Station that lies southwest outside of the Site (July, 2019).

Photo 5. View facing fuel tanks located adjacent to SR 267 at Fire Station (July, 2019).

Photo 6. View facing southeast into intersection from Old Brockway Golf Course (July, 2019).

NCE
8795 Folsom Blvd., Suite 250
Sacramento, California 95826
(916) 388-5655

Site Photographs
Phase I Environmental Site Assessment
Kings Beach Western Approach Project
Kings Beach, Placer County, CA

Photo Log
2

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
CT	1011.02.55	KA	8/06/19	8/19/2019

Photo 6. View facing northwest at a transformer (July, 2019).

Photo 7. View facing south at transformer TS-385 (July, 2019).

Photo 8. View facing west at transformers TS-83 and 84 located at Fire Station (July, 2019).

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Sacramento, California 95826
(916) 388-5655

Site Photographs
Phase I Environmental Site Assessment
Kings Beach Western Approach Project
Kings Beach, Placer County, CA

Photo Log
3

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
CT	1011.02.55	KA	8/06/19	8/19/19

Photo 9. View facing east at TS-87 (July, 2019).

Photo 10. View facing east at transformer TS-85 (July, 2019).

Photo 11. View facing northwest onto SR 28 (July, 2019).

NCE
8795 Folsom Blvd., Suite 250
Sacramento, California 95826
(916) 388-5655

Site Photographs
Phase I Environmental Site Assessment
Kings Beach Western Approach Project
Kings Beach, Placer County, CA

Photo Log
4

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
CT	1011.02.55	KA	8/06/19	8/19/2019

APPENDIX A

EDR RADIUS MAP™ WITH GEOCHECK®

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143

Inquiry Number: 5585045.2s
March 08, 2019

The EDR Radius Map™ Report with GeoCheck®

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

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	524
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

8001 NORTH LAKE BLVD
KINGS BEACH, CA 96143

COORDINATES

Latitude (North):	39.2382760 - 39° 14' 17.79''
Longitude (West):	120.0313470 - 120° 1' 52.84''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	756226.2
UTM Y (Meters):	4347211.5
Elevation:	6248 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630323 KINGS BEACH, CA
Version Date:	2012
North Map:	5630327 MARTIS PEAK, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150616
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
8001 NORTH LAKE BLVD
KINGS BEACH, CA 96143

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD	FINDS		TP
A2	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD	LUST, CERS HAZ WASTE, HIST CORTESE, CA PLACER CO....		TP
A3	KEN'S TIRE CENTER	8001 NORTH LAKE BOUL	RGA LUST		TP
A4	SIERRA COUNTRY TIRE	8001 N LAKE BLVD	FINDS		TP
A5	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD	CERS		TP
A6	KENS TIRE CENTER INC	8001 N LAKE BLVD	EDR Hist Auto		TP
A7	KENS TIRE CENTER	8001 N LAKE BLVD	SWEEPS UST		TP
A8	KENS TIRE CENTER	8001 N LAKE BLVD	HIST UST		TP
A9	KINGS BEACH GATEWAY	8001 NORTH LAKE BLVD	NPDES, CIWQS		TP
A10	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD	RGA LUST		TP
A11	OLD BROCKWAY GOLF CO	7900 NORTH LAKE BLVD	UST, EMI, ENF, WDS, WDR, CIWQS, CERS	Lower	1 ft.
A12	NORTH TAHOE FPD STAT	288 HWY 267	EMI	Lower	1 ft.
A13	SAFEWAY/BROCKWAY GOL	7900 N LAKE BLVD	HAZNET	Lower	1 ft.
A14	OLD BROCKWAY GOLF CL	7900 N LAKE BLVD	SWEEPS UST	Lower	1 ft.
A15	NORTH TAHOE FPD - ST	288 STATE ROUTE 267	EMI	Lower	1 ft.
A16	OLD BROCKWAY GOLF CO	7900 NORTH LAKE BLVD	FINDS	Lower	1 ft.
A17	NORTH TAHOE FPD - ST	288 STATE ROUTE 267	FINDS	Lower	1 ft.
A18	NORTH TAHOE FPD STAT	288 HWY 267	FINDS	Lower	1 ft.
A19	WOODVISTA GOLF COURS	7900 N LAKE BLVD	HIST UST	Lower	1 ft.
B20	SAFEWAY, INC./STORE	7815 N. LAKE BLVD	FINDS, ECHO	Lower	1 ft.
B21	SAFEWAY, INC./STORE	7815 N. LAKE BLVD	EMI	Lower	1 ft.
B22	SAFEWAY STORE #1592	7815 N LAKE BLVD	HAZNET	Lower	1 ft.
B23	SAFEWAY AT KINGS BEA	7815 NORTH LAKE BLVD	FINDS	Lower	1 ft.
B24	SAFEWAY #1592	7815 N LAKE BLVD	HAZNET, CA PLACER CO. MS	Lower	1 ft.
B25	SAFEWAY AT KINGS BEA	7815 NORTH LAKE BLVD	WDR, CIWQS	Lower	1 ft.
B26	SAFEWAY STORE NO 159	7815 N LAKE BLVD	RCRA-LQG	Lower	1 ft.
B27	SAFEWAY 1592	7815 N LAKE BLVD	CERS HAZ WASTE, CERS	Lower	1 ft.
C28	7770/7780 N. LAKE PI	7770 N LAKE BLVD	FINDS	Lower	2, 0.000,
C29	7770/7780 N. LAKE PI	7770 N LAKE BLVD	ENF, CIWQS	Lower	2, 0.000,
D30	NORTH SHORE HARDWARE	200 SECLINE ST	CERS HAZ WASTE, CA PLACER CO. MS, CERS	Lower	4, 0.001,
A31	NORTH TAHOE FIRE PRO	302 N SHORE BLVD	SWEEPS UST	Lower	14, 0.003, North
A32	NORTH TAHOE FIRE PRO	288 N SHORE BLVD	SWEEPS UST	Lower	20, 0.004, North
A33	NORTH TAHOE FIRE PRO	288 NORTH SHORE BLVD	HIST UST	Lower	20, 0.004, North
D34	TRANSAM NORTH TAHOE	8070 NORTH LAKE BLVD	HIST UST, EMI, HAZNET	Lower	24, 0.005, ESE
D35	ANGELOS PHILLIPS 66	8070 NO LAKE BLVD	EDR Hist Auto	Lower	24, 0.005, ESE
D36	NORTH TAHOE STATION	8070 N LAKE BLVD	UST	Lower	24, 0.005, ESE
D37	BEACON 3601	8070 NORTH LAKE BLVD	LUST	Lower	24, 0.005, ESE
D38	NORTH TAHOE STATION	8070 N LAKE BLVD	CERS HAZ WASTE, SWEEPS UST, CERS TANKS, ENF, CA...	Lower	24, 0.005, ESE
D39	BEACON 3601	8070 NORTH LAKE BLVD	LUST, HIST CORTESE, Notify 65, CERS	Lower	24, 0.005, ESE

MAPPED SITES SUMMARY

Target Property Address:
8001 NORTH LAKE BLVD
KINGS BEACH, CA 96143

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40	NORTH TAHOE PUD	8070 NORTH LAKE BLVD	AST	Lower	24, 0.005, ESE
D41	BEACON STATION # 601	8070 N. LAKE BLVD.	HIST UST	Lower	24, 0.005, ESE
A42	NORTH TAHOE FIRE STA	288 NORTHSHORE BLVD	AST, CA PLACER CO. MS	Lower	29, 0.005, NNE
B43	NORTH TAHOE PUD (CLO	7860 N LAKE BLVD	CA PLACER CO. MS	Lower	111, 0.021, WSW
D44	NORTH TAHOE PUD - SE	141 SECLINE	LUST, SWEEPS UST, HIST CORTESE, CA PLACER CO. MS,...	Lower	156, 0.030, SE
45	OLD BROCKWAY GOLF CO	400 BRASSIE AVE	CERS HAZ WASTE, CA PLACER CO. MS, CERS	Higher	165, 0.031, NW
E46	ANN'S COTTAGES	8199 NORTH LAKE BLVD	CA PLACER CO. MS	Higher	422, 0.080, ESE
E47	ANN'S COTTAGES	8199 NORTH LAKE BOUL	LUST	Higher	422, 0.080, ESE
48	SECLINE STREET SEWER	8072 SECLINE ST	SWEEPS UST, HIST UST	Lower	486, 0.092, SSW
E49	RITE AID NO 6106	8245 NORTH LAKE BLVD	RCRA-SQG	Higher	602, 0.114, East
E50	RITE AID 6106	8245 N LAKE BLVD	CERS HAZ WASTE, HAZNET, CA PLACER CO. MS, CERS	Higher	602, 0.114, East
E51	MOBIL SERVICE STATIO	8299 N LAKE BLVD	SWEEPS UST, CA PLACER CO. MS	Higher	603, 0.114, ESE
E52	MOBIL SERVICE STATIO	8299 N LAKE BLVD	HIST UST	Higher	603, 0.114, ESE
E53	RASCHS FREDDIE MOBIL	8299 NO LAKE BLVD	EDR Hist Auto	Higher	603, 0.114, ESE
F54	KINGS BEACH ELEMENTA	8125 STEELHEAD	ENF, CA PLACER CO. MS, NPDES, CIWQS, CERS	Higher	714, 0.135, NE
F55	KINGS BEACH STUDENT	8081 STEELHEAD AVE/W	ENVIROSTOR, SCH	Higher	719, 0.136, NE
G56	NORTH AMERICAN FIRE	8325 NORTH LAKE BLVD	CA PLACER CO. MS	Higher	823, 0.156, East
G57	NORTH TAHOE PUD KING	8318 NORTH LAKE BOIL	HIST UST	Higher	911, 0.173, ESE
G58	NORTH TAHOE P.U.D. K	8318 NORTH LAKE BOUL	HIST UST	Higher	911, 0.173, ESE
G59	NORTH TAHOE P.U.D. K	8318 N LAKE BLVD	SWEEPS UST	Higher	911, 0.173, ESE
H60	NEW CINGULAR WIRELES	8197 SPECKLED AVE	CA PLACER CO. MS	Higher	921, 0.174, NNE
H61	SERPA PROPERTY	710 WOLF STREET	HIST CORTESE	Higher	998, 0.189, NNE
H62	SERPA PROPERTY	710 WOLF STREET	LUST, CA PLACER CO. MS, CERS	Higher	998, 0.189, NNE
H63	YANKTON EXCAVATING I	8229 SPECKLED AVE	CA PLACER CO. MS, CERS	Higher	1068, 0.202, NNE
H64	YANKTON EXC. INC.	8229 SPECKLED AVE.	AST	Higher	1068, 0.202, NNE
I65	NORTH TAHOE MARINA	7360 NORTH LAKE BLVD	UST, ENF, WDS, CIWQS	Higher	1134, 0.215, West
I66	NORTH TAHOE MARINA	7360 N LAKE BLVD	AST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS, CA...	Higher	1134, 0.215, West
J67	CALIFORNIA PACIFIC E	DEER & SPECKLED AVE	AST	Higher	1160, 0.220, NE
J68	LIBERTY UTILITIES-CA	8303 CUTTHROAT AVE	CHMIRS, CA PLACER CO. MS	Higher	1171, 0.222, NE
K69	SHELL SERVICE STATIO	HWY 28 & BEAR	RCRA-SQG	Higher	1233, 0.234, ESE
K70	KINGS BEACH CHEVRON	8369 KINGS BEACH	LUST, CERS	Higher	1264, 0.239, East
K71	KINGS BEACH SHELL	8369 NORTH LAKE BLVD	LUST	Higher	1283, 0.243, ESE
K72	KING'S BEACH SHELL	8369 NORTH LAKE BLVD	LUST, EMI, CERS	Higher	1283, 0.243, ESE
K73	KINGS BEACH CHEVRON	8369 N LAKE BLVD	UST	Higher	1283, 0.243, ESE
K74	KINGS BEACH SHELL	8369 N LAKE BLVD	CERS HAZ WASTE, HIST UST, CERS TANKS, CA PLACER...	Higher	1283, 0.243, ESE
L75	SIERRA PACIFIC POWER	DEER STREET	CPS-SLIC, CERS	Higher	1691, 0.320, NNE
76	TAHOE VISTA MARINA	7220 LAKE	LUST, HIST CORTESE, CERS	Higher	1705, 0.323, West
L77	SIERRA PACIFIC POWER	END OF DEER STREET (	CPS-SLIC, CERS	Higher	1843, 0.349, NNE
M78	TOM TUHEY'S AUTO AND	712 BEAR ST	LUST, CA PLACER CO. MS, CERS	Higher	1867, 0.354, NE

MAPPED SITES SUMMARY

Target Property Address:
8001 NORTH LAKE BLVD
KINGS BEACH, CA 96143

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST, HIST CORTESE, CA PLACER CO. MS, CERS	Higher	2006, 0.380, East
M80	FAIRWAY EXCAVATING	8472 SPECKLED AVENUE	LUST, CERS	Higher	2017, 0.382, NE
M81	FAIRWAY EXCAVATING I	8472 SPECKLED AVE	LUST, SWEEPS UST, HIST UST, HIST CORTESE	Higher	2017, 0.382, NE
82	BURDICK EXCAVATING C	8555 CUTTHROAT AVE	LUST, CA PLACER CO. MS	Higher	2219, 0.420, NE
N83	NORTH TAHOE PUD-LIFT	7010 LAKE BLVD	LUST, HIST CORTESE, CERS	Lower	2290, 0.434, West
N84	NORTH TAHOE PUD LIFT	7010 LAKE BLVD.	LUST	Lower	2290, 0.434, West
85	KINGS BEACH	8600 GOLDEN AVE	Notify 65	Higher	2345, 0.444, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
KEN'S TIRE CENTER 8001 NORTH LAKE BLVD KINGS BEACH, CA 96143	FINDS Registry ID:: 110065668325	N/A
KEN'S TIRE CENTER 8001 NORTH LAKE BLVD KINGS BEACH, CA 96143	LUST Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0606100321 CERS HAZ WASTE HIST CORTESE Reg Id: 6T0022A CA PLACER CO. MS Facility Status: Active Facility Status: Closed Facility Id: FA0002602 Facility Id: FA0003089 Facility Id: FA0004386 CERS	N/A
KEN'S TIRE CENTER 8001 NORTH LAKE BOUL KINGS BEACH, CA	RGA LUST	N/A
SIERRA COUNTRY TIRE 8001 N LAKE BLVD KINGS BEACH, CA 96143	FINDS Registry ID:: 110057107777	N/A
KEN'S TIRE CENTER 8001 NORTH LAKE BLVD KINGS BEACH, CA 96143	CERS	N/A
KENS TIRE CENTER INC 8001 N LAKE BLVD KINGS BEACH, CA 95719	EDR Hist Auto	N/A
KENS TIRE CENTER 8001 N LAKE BLVD KINGS BEACH, CA 95719	SWEEPS UST Status: A Tank Status: A Comp Number: 19815	N/A
KENS TIRE CENTER 8001 N LAKE BLVD KINGS BEACH, CA 95719	HIST UST	N/A

EXECUTIVE SUMMARY

Facility Id: 00000019815

KINGS BEACH GATEWAY 8001 NORTH LAKE BLVD KINGS BEACH, CA 96143	NPDES Facility Status: Terminated CIWQS	N/A
KEN'S TIRE CENTER 8001 NORTH LAKE BLVD KINGS BEACH, CA	RGA LUST	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ---- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---- State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---- Solid Waste Information System

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing
VCP ---- Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
SWRCY ---- Recycler Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register

HIST Cal-Sites ---- Historical Calsites Database
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST ---- Facility Inventory Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR ---- RCRA - Non Generators / No Longer Regulated
FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites

US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
UXO ---- Unexploded Ordnance Sites
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
Cortese ---- "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings ---- CUPA Resources List
DRYCLEANERS ---- Cleaner Facilities
Financial Assurance ---- Financial Assurance Information Listing
ICE ---- ICE
HWP ---- EnviroStor Permitted Facilities Listing
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
UIC ---- UIC Listing
UIC GEO ---- UIC GEO (GEOTRACKER)
WASTEWATER PITS ---- Oil Wastewater Pits Listing
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WIP ---- Well Investigation Program Case List
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---- Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

A review of the RCRA-LQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY STORE NO 159 EPA ID:: CAR000236273	7815 N LAKE BLVD	0 - 1/8 (0.000 mi.)	B26	67

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

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RITE AID NO 6106 EPA ID:: CAR000157065	8245 NORTH LAKE BLVD	E 0 - 1/8 (0.114 mi.)	E49	316
SHELL SERVICE STATIO EPA ID:: CAR000108761	HWY 28 & BEAR	ESE 1/8 - 1/4 (0.234 mi.)	K69	413

State- and tribal - equivalent CERCLIS

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/28/2019 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KINGS BEACH STUDENT	***8081 STEELHEAD AVE/W***	***NE 1/8 - 1/4 (0.136 mi.)***	***F55***	***347***
Facility Id: 31880002				
Status: No Action Required				

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, has revealed that there are 16 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANN'S COTTAGES	8199 NORTH LAKE BOUL	ESE 0 - 1/8 (0.080 mi.)	E47	314
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T0606105734				
SERPA PROPERTY	***710 WOLF STREET***	***NNE 1/8 - 1/4 (0.189 mi.)***	***H62***	***352***
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T0606100388				
KINGS BEACH CHEVRON	***8369 KINGS BEACH***	***E 1/8 - 1/4 (0.239 mi.)***	***K70***	***414***
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T0606118993				
KINGS BEACH SHELL	8369 NORTH LAKE BLVD	ESE 1/8 - 1/4 (0.243 mi.)	K71	422
Database: LUST REG 6L, Date of Government Version: 09/09/2003				
Active OR Closed Site: A				
KING'S BEACH SHELL	***8369 NORTH LAKE BLVD***	***ESE 1/8 - 1/4 (0.243 mi.)***	***K72***	***423***
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T0606173618				
TAHOE VISTA MARINA	***7220 LAKE***	***W 1/4 - 1/2 (0.323 mi.)***	***76***	***492***
Database: LUST REG 6L, Date of Government Version: 09/09/2003				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T0606100323				
Active OR Closed Site: C				
Date Closed: 6/21/01				
TOM TUHEY'S AUTO AND	***712 BEAR ST***	***NE 1/4 - 1/2 (0.354 mi.)***	***M78***	***495***
Database: LUST REG 6L, Date of Government Version: 09/09/2003				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T0606100393				
Active OR Closed Site: A				
PRIVATE RESIDENCE	***PRIVATE RESIDENCE***	***E 1/4 - 1/2 (0.380 mi.)***	***79***	***501***
Database: LUST REG 6L, Date of Government Version: 09/09/2003				
Database: LUST, Date of Government Version: 12/10/2018				

Status: Completed - Case Closed
Global Id: T0606100381
Active OR Closed Site: A

FAIRWAY EXCAVATING ***8472 SPECKLED AVENUE*** ***NE 1/4 - 1/2 (0.382 mi.)*** ***M80*** ***511***
Database: LUST REG 6L, Date of Government Version: 09/09/2003
Active OR Closed Site: C
Date Closed: 12/11/02

FAIRWAY EXCAVATING I ***8472 SPECKLED AVE*** ***NE 1/4 - 1/2 (0.382 mi.)*** ***M81*** ***512***
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Global Id: T0606100383

BURDICK EXCAVATING C ***8555 CUTTHROAT AVE*** ***NE 1/4 - 1/2 (0.420 mi.)*** ***82*** ***518***
Database: LUST, Date of Government Version: 12/10/2018
Status: Open - Assessment & Interim Remedial Action
Global Id: T10000012003

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEACON 3601	8070 NORTH LAKE BLVD	ESE 0 - 1/8 (0.005 mi.)	D37	103
Database: LUST REG 6L, Date of Government Version: 09/09/2003 Active OR Closed Site: A				
BEACON 3601	***8070 NORTH LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D39***	***278***
Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0606100319				
NORTH TAHOE PUD - SE	***141 SECLINE***	***SE 0 - 1/8 (0.030 mi.)***	***D44***	***294***
Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0606100348				
NORTH TAHOE PUD-LIFT	***7010 LAKE BLVD***	***W 1/4 - 1/2 (0.434 mi.)***	***N83***	***519***
Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0606100349				
NORTH TAHOE PUD LIFT	7010 LAKE BLVD.	W 1/4 - 1/2 (0.434 mi.)	N84	523
Database: LUST REG 6L, Date of Government Version: 09/09/2003 Active OR Closed Site: A				

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIERRA PACIFIC POWER	***DEER STREET***	***NNE 1/4 - 1/2 (0.320 mi.)***	***L75***	***491***
Database: SLIC REG 6L, Date of Government Version: 09/07/2004 Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Completed - Case Closed				

Date Open or Closed: 11/19/03
Active or Closed: A
Active or Closed: C
Case Number: T6S015 "B"
Case Number: T6S015
Global Id: SL0606196567

SIERRA PACIFIC POWER ***END OF DEER STREET (*** ***NNE 1/4 - 1/2 (0.349 mi.)*** ***L77*** ***494***
Database: CPS-SLIC, Date of Government Version: 12/10/2018
Facility Status: Completed - Case Closed
Global Id: T10000000017

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH TAHOE MARINA	***7360 NORTH LAKE BLVD***	***W 1/8 - 1/4 (0.215 mi.)***	***I65***	***355***
Database: UST, Date of Government Version: 12/10/2018 Facility Id: FA0000694				
KINGS BEACH CHEVRON	8369 N LAKE BLVD	ESE 1/8 - 1/4 (0.243 mi.)	K73	436
Database: UST, Date of Government Version: 12/10/2018 Facility Id: FA0000810				

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	***7900 NORTH LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***A11***	***38***
Database: UST, Date of Government Version: 12/10/2018 Facility Id: FA0000964				
NORTH TAHOE STATION	8070 N LAKE BLVD	ESE 0 - 1/8 (0.005 mi.)	D36	102
Database: UST, Date of Government Version: 12/10/2018 Facility Id: FA0000238 Facility Id: FA0008426				

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

A review of the AST list, as provided by EDR, has revealed that there are 5 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YANKTON EXC. INC.	8229 SPECKLED AVE.	NNE 1/8 - 1/4 (0.202 mi.)	H64	354
Database: AST, Date of Government Version: 07/06/2016				
NORTH TAHOE MARINA	***7360 N LAKE BLVD***	***W 1/8 - 1/4 (0.215 mi.)***	***I66***	***360***
Database: AST, Date of Government Version: 07/06/2016				
CALIFORNIA PACIFIC E	DEER & SPECKLED AVE	NE 1/8 - 1/4 (0.220 mi.)	J67	410
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTH TAHOE PUD Database: AST, Date of Government Version: 07/06/2016	8070 NORTH LAKE BLVD	ESE 0 - 1/8 (0.005 mi.)	D40	291
NORTH TAHOE FIRE STA Database: AST, Date of Government Version: 07/06/2016	***288 NORTHSHORE BLVD***	***NNE 0 - 1/8 (0.005 mi.)***	***A42***	***292***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category. depending on the level of threat to public health and safety or the. environment they pose.

A review of the SCH list, as provided by EDR, and dated 01/28/2019 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KINGS BEACH STUDENT Facility Id: 31880002 Status: No Action Required	***8081 STEELHEAD AVE/W***	***NE 1/8 - 1/4 (0.136 mi.)***	***F55***	***347***

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

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/22/2018 has revealed that there are 7 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	***400 BRASSIE AVE***	***NW 0 - 1/8 (0.031 mi.)***	***45***	***296***
RITE AID 6106	***8245 N LAKE BLVD***	***E 0 - 1/8 (0.114 mi.)***	***E50***	***321***
NORTH TAHOE MARINA	***7360 N LAKE BLVD***	***W 1/8 - 1/4 (0.215 mi.)***	***I66***	***360***
KINGS BEACH SHELL	***8369 N LAKE BLVD***	***ESE 1/8 - 1/4 (0.243 mi.)***	***K74***	***436***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY 1592	***7815 N LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***B27***	***69***
NORTH SHORE HARDWARE	***200 SECLINE ST***	***0 - 1/8 (0.001 mi.)***	***D30***	***81***
NORTH TAHOE STATION	***8070 N LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D38***	***103***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no

longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 9 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOBIL SERVICE STATIO	***8299 N LAKE BLVD***	***ESE 0 - 1/8 (0.114 mi.)***	***E51***	***335***
Status: A Tank Status: A Comp Number: 39513				
NORTH TAHOE P.U.D. K	8318 N LAKE BLVD	ESE 1/8 - 1/4 (0.173 mi.)	G59	351
Status: A Tank Status: A Comp Number: 38914				
NORTH TAHOE MARINA	***7360 N LAKE BLVD***	***W 1/8 - 1/4 (0.215 mi.)***	***I66***	***360***
Status: A Comp Number: 146				

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CL	7900 N LAKE BLVD	0 - 1/8 (0.000 mi.)	A14	54
Status: A Tank Status: A Comp Number: 5745				
NORTH TAHOE FIRE PRO	302 N SHORE BLVD	N 0 - 1/8 (0.003 mi.)	A31	96
Comp Number: 138				
NORTH TAHOE FIRE PRO	288 N SHORE BLVD	N 0 - 1/8 (0.004 mi.)	A32	97
Status: A Tank Status: A Comp Number: 36887				
NORTH TAHOE STATION	***8070 N LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D38***	***103***
Status: A Tank Status: A Comp Number: 43891				
NORTH TAHOE PUD - SE	***141 SECLINE***	***SE 0 - 1/8 (0.030 mi.)***	***D44***	***294***
Status: A Comp Number: 1213				
SECLINE STREET SEWER	***8072 SECLINE ST***	***SSW 0 - 1/8 (0.092 mi.)***	***48***	***316***
Status: A Tank Status: A Comp Number: 38732				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 9 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOBIL SERVICE STATIO	8299 N LAKE BLVD	ESE 0 - 1/8 (0.114 mi.)	E52	337

Facility Id: 00000039513				
NORTH TAHOE PUD KING	8318 NORTH LAKE BOIL	ESE 1/8 - 1/4 (0.173 mi.)	G57	350
NORTH TAHOE P.U.D. K	8318 NORTH LAKE BOUL	ESE 1/8 - 1/4 (0.173 mi.)	G58	350
Facility Id: 00000038914				
KINGS BEACH SHELL	***8369 N LAKE BLVD***	***ESE 1/8 - 1/4 (0.243 mi.)***	***K74***	***436***
Facility Id: 00000056439				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WOODVISTA GOLF COURS	7900 N LAKE BLVD	0 - 1/8 (0.000 mi.)	A19	58
Facility Id: 00000005745				
NORTH TAHOE FIRE PRO	288 NORTH SHORE BLVD	N 0 - 1/8 (0.004 mi.)	A33	98
Facility Id: 00000036887				
TRANSAM NORTH TAHOE	***8070 NORTH LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D34***	***98***
BEACON STATION # 601	8070 N. LAKE BLVD.	ESE 0 - 1/8 (0.005 mi.)	D41	292
Facility Id: 00000043891				
SECLINE STREET SEWER	***8072 SECLINE ST***	***SSW 0 - 1/8 (0.092 mi.)***	***48***	***316***
Facility Id: 00000038732				

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

A review of the CERS TANKS list, as provided by EDR, and dated 10/22/2018 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH TAHOE MARINA	***7360 N LAKE BLVD***	***W 1/8 - 1/4 (0.215 mi.)***	***I66***	***360***
KINGS BEACH SHELL	***8369 N LAKE BLVD***	***ESE 1/8 - 1/4 (0.243 mi.)***	***K74***	***436***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTH TAHOE STATION	***8070 N LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D38***	***103***

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 11/15/2018 has revealed that there are 6 FINDS sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	7900 NORTH LAKE BLVD	0 - 1/8 (0.000 mi.)	A16	57

Registry ID:: 110041516259				
NORTH TAHOE FPD - ST Registry ID:: 110054291280	288 STATE ROUTE 267	0 - 1/8 (0.000 mi.)	A17	58
NORTH TAHOE FPD STAT Registry ID:: 110041520805	288 HWY 267	0 - 1/8 (0.000 mi.)	A18	58
SAFEWAY, INC./STORE Registry ID:: 110054291182	***7815 N. LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***B20***	***59***
SAFEWAY AT KINGS BEA Registry ID:: 110066082660	7815 NORTH LAKE BLVD	0 - 1/8 (0.000 mi.)	B23	64
7770/7780 N. LAKE PI Registry ID:: 110066137451	7770 N LAKE BLVD	0 - 1/8 (0.000 mi.)	C28	78

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 09/02/2018 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY, INC./STORE Registry ID: 110054291182	***7815 N. LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***B20***	***59***

EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2017 has revealed that there are 4 EMI sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO Facility Id: 826	***7900 NORTH LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***A11***	***38***
NORTH TAHOE FPD STAT Facility Id: 2403	288 HWY 267	0 - 1/8 (0.000 mi.)	A12	51
NORTH TAHOE FPD - ST Facility Id: 1876	288 STATE ROUTE 267	0 - 1/8 (0.000 mi.)	A15	55
SAFEWAY, INC./STORE Facility Id: 1720	7815 N. LAKE BLVD	0 - 1/8 (0.000 mi.)	B21	59

ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

A review of the ENF list, as provided by EDR, and dated 11/01/2018 has revealed that there are 2 ENF sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	***7900 NORTH LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***A11***	***38***

Status: Historical
Status: Active
Facility Id: 245866

7770/7780 N. LAKE PI	***7770 N LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***C29***	***79***

Status: Historical
Facility Id: 203674

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2017 has revealed that there are 3 HAZNET sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY/BROCKWAY GOL GEPAID: CAC001227920	7900 N LAKE BLVD	0 - 1/8 (0.000 mi.)	A13	54
SAFEWAY STORE #1592 GEPAID: CAL000353564	7815 N LAKE BLVD	0 - 1/8 (0.000 mi.)	B22	62
SAFEWAY #1592 GEPAID: CAR000236273	***7815 N LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***B24***	***64***

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SERPA PROPERTY Reg Id: 6T0320A	710 WOLF STREET	NNE 1/8 - 1/4 (0.189 mi.)	H61	352
TAHOE VISTA MARINA Reg Id: 6T0055A	***7220 LAKE***	***W 1/4 - 1/2 (0.323 mi.)***	***76***	***492***
PRIVATE RESIDENCE Reg Id: 6T0301A	***PRIVATE RESIDENCE***	***E 1/4 - 1/2 (0.380 mi.)***	***79***	***501***
FAIRWAY EXCAVATING I Reg Id: 6T0312A	***8472 SPECKLED AVE***	***NE 1/4 - 1/2 (0.382 mi.)***	***M81***	***512***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEACON 3601 Reg Id: 6T0010A	***8070 NORTH LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D39***	***278***
NORTH TAHOE PUD - SE Reg Id: 6T0208A	***141 SECLINE***	***SE 0 - 1/8 (0.030 mi.)***	***D44***	***294***
NORTH TAHOE PUD-LIFT	***7010 LAKE BLVD***	***W 1/4 - 1/2 (0.434 mi.)***	***N83***	***519***

EXECUTIVE SUMMARY

Reg Id: 6T0209A

CA PLACER CO. MS: Placer County Master List of Facilities includes Aboveground Hazardous Material tanks, Underground Storage tanks, Site Clean-up sites.

A review of the CA PLACER CO. MS list, as provided by EDR, and dated 11/29/2018 has revealed that there are 18 CA PLACER CO. MS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO Facility Status: Active Facility Status: Closed Facility Id: FA0000964	***400 BRASSIE AVE***	***NW 0 - 1/8 (0.031 mi.)***	***45***	***296***
ANN'S COTTAGES Facility Status: Closed Facility Id: FA0013261	8199 NORTH LAKE BLVD	ESE 0 - 1/8 (0.080 mi.)	E46	314
RITE AID 6106 Facility Status: Active Facility Status: Closed Facility Id: FA0001032	***8245 N LAKE BLVD***	***E 0 - 1/8 (0.114 mi.)***	***E50***	***321***
MOBIL SERVICE STATIO Facility Status: Closed Facility Id: FA0000621	***8299 N LAKE BLVD***	***ESE 0 - 1/8 (0.114 mi.)***	***E51***	***335***
KINGS BEACH ELEMENTA Facility Status: Closed Facility Id: FA0002065	***8125 STEELHEAD***	***NE 1/8 - 1/4 (0.135 mi.)***	***F54***	***338***
NORTH AMERICAN FIRE Facility Status: Closed Facility Id: FA0001793	8325 NORTH LAKE BLVD	E 1/8 - 1/4 (0.156 mi.)	G56	350
NEW CINGULAR WIRELES Facility Status: Closed Facility Id: FA0016329	8197 SPECKLED AVE	NNE 1/8 - 1/4 (0.174 mi.)	H60	351
SERPA PROPERTY Facility Status: Closed Facility Id: FA0004322 Facility Id: FA0012375	***710 WOLF STREET***	***NNE 1/8 - 1/4 (0.189 mi.)***	***H62***	***352***
YANKTON EXCAVATING I Facility Status: Closed Facility Id: FA0002069 Facility Id: FA0020418	***8229 SPECKLED AVE***	***NNE 1/8 - 1/4 (0.202 mi.)***	***H63***	***354***
NORTH TAHOE MARINA Facility Status: Active Facility Status: Closed Facility Id: FA0000694	***7360 N LAKE BLVD***	***W 1/8 - 1/4 (0.215 mi.)***	***I66***	***360***
LIBERTY UTILITIES-CA Facility Status: Active Facility Id: FA0020861	***8303 CUTTHROAT AVE***	***NE 1/8 - 1/4 (0.222 mi.)***	***J68***	***411***
KINGS BEACH SHELL Facility Status: Active	***8369 N LAKE BLVD***	***ESE 1/8 - 1/4 (0.243 mi.)***	***K74***	***436***

Facility Status: Closed
Facility Id: FA0000810
Facility Id: FA0002054

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY #1592	***7815 N LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***B24***	***64***
Facility Status: Active Facility Id: FA0001000				
NORTH SHORE HARDWARE	***200 SECLINE ST***	***0 - 1/8 (0.001 mi.)***	***D30***	***81***
Facility Status: Active Facility Id: FA0001630				
NORTH TAHOE STATION	***8070 N LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D38***	***103***
Facility Status: Active Facility Id: FA0008426				
NORTH TAHOE FIRE STA	***288 NORTHSHORE BLVD***	***NNE 0 - 1/8 (0.005 mi.)***	***A42***	***292***
Facility Status: Active Facility Id: FA0003053				
NORTH TAHOE PUD (CLO	7860 N LAKE BLVD	WSW 0 - 1/8 (0.021 mi.)	B43	293
Facility Status: Closed Facility Id: FA0001912				
NORTH TAHOE PUD - SE	***141 SECLINE***	***SE 0 - 1/8 (0.030 mi.)***	***D44***	***294***
Facility Status: Closed Facility Id: FA0000695				

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 09/19/2018 has revealed that there are 2 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KINGS BEACH	8600 GOLDEN AVE	E 1/4 - 1/2 (0.444 mi.)	85	523

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEACON 3601	***8070 NORTH LAKE BLVD***	***ESE 0 - 1/8 (0.005 mi.)***	***D39***	***278***

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there is 1 WDS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	***7900 NORTH LAKE BLVD***	***0 - 1/8 (0.000 mi.)***	***A11***	***38***
Facility Status: A Facility Id: 6A318801004				

EXECUTIVE SUMMARY

WDR: In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

A review of the WDR list, as provided by EDR, and dated 12/10/2018 has revealed that there are 2 WDR sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	*7900 NORTH LAKE BLVD*	*0 - 1/8 (0.000 mi.)*	*A11*	*38*
SAFEWAY AT KINGS BEA	*7815 NORTH LAKE BLVD*	*0 - 1/8 (0.000 mi.)*	*B25*	*66*

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CIWQS list, as provided by EDR, and dated 12/03/2018 has revealed that there are 3 CIWQS sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	*7900 NORTH LAKE BLVD*	*0 - 1/8 (0.000 mi.)*	*A11*	*38*
SAFEWAY AT KINGS BEA	*7815 NORTH LAKE BLVD*	*0 - 1/8 (0.000 mi.)*	*B25*	*66*
7770/7780 N. LAKE PI	*7770 N LAKE BLVD*	*0 - 1/8 (0.000 mi.)*	*C29*	*79*

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

A review of the CERS list, as provided by EDR, and dated 10/22/2018 has revealed that there are 3 CERS sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD BROCKWAY GOLF CO	*7900 NORTH LAKE BLVD*	*0 - 1/8 (0.000 mi.)*	*A11*	*38*
SAFEWAY 1592	*7815 N LAKE BLVD*	*0 - 1/8 (0.000 mi.)*	*B27*	*69*
NORTH SHORE HARDWARE	*200 SECLINE ST*	*0 - 1/8 (0.001 mi.)*	*D30*	*81*

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not

limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RASCHS FREDDIE MOBIL	8299 NO LAKE BLVD	ESE 0 - 1/8 (0.114 mi.)	E53	338

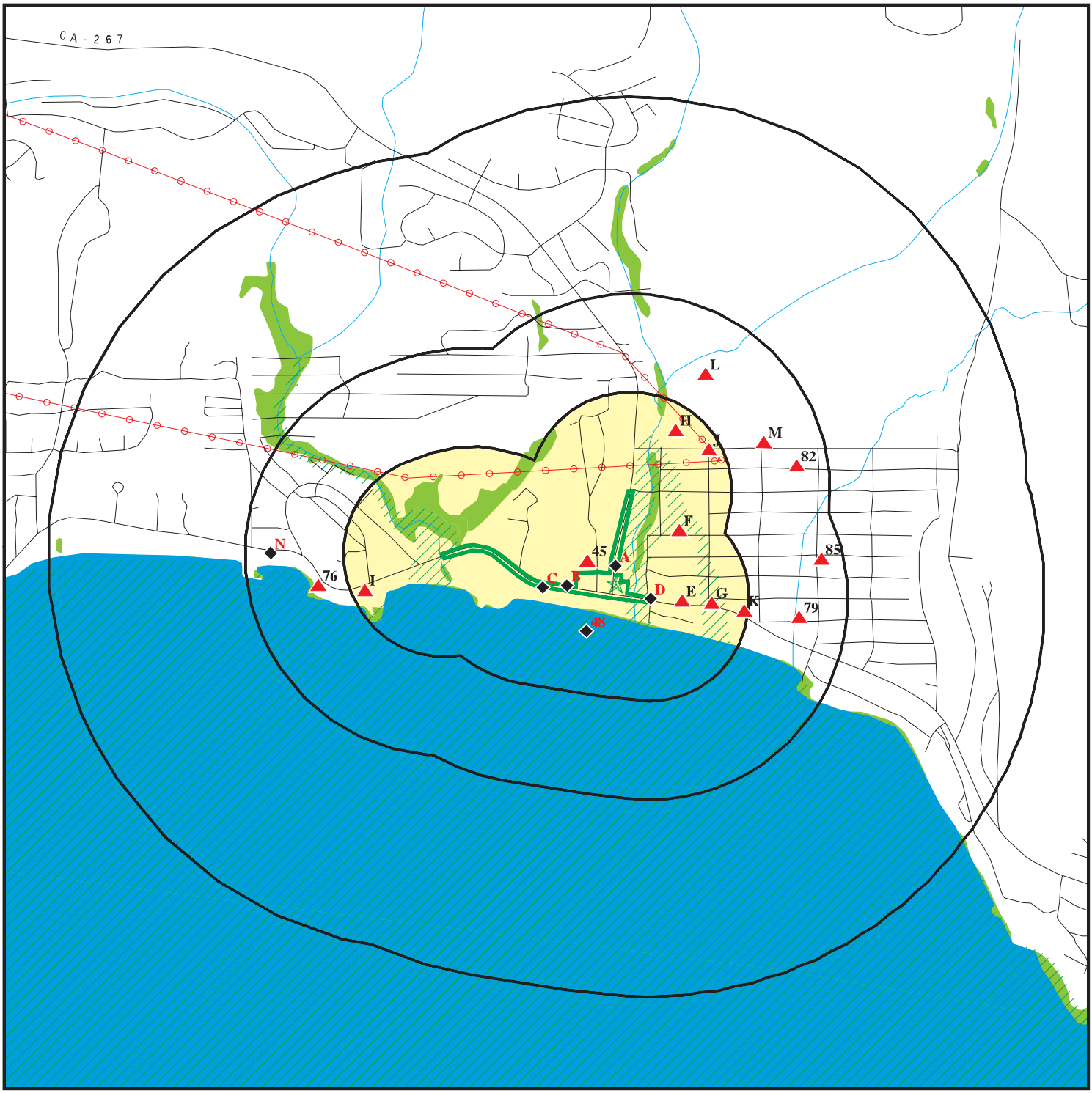
Lower Elevation	Address	Direction / Distance	Map ID	Page
ANGELOS PHILLIPS 66	8070 NO LAKE BLVD	ESE 0 - 1/8 (0.005 mi.)	D35	102

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
TRUCKEE TAHOHE AIRPORT DIST (TEXAC	LUST
SIERRA PACIFIC POWER COMPANY TAHOE	LUST

OVERVIEW MAP - 5585045.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

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

SITE NAME:	Western Approach	CLIENT:	Nichols Consulting Eng.,Chtd.
ADDRESS:	8001 North Lake Blvd Kings Beach CA 96143	CONTACT:	Anna Henke
LAT/LONG:	39.238276 / 120.031347	INQUIRY #:	5585045.2s
		DATE:	March 08, 2019 7:21 pm

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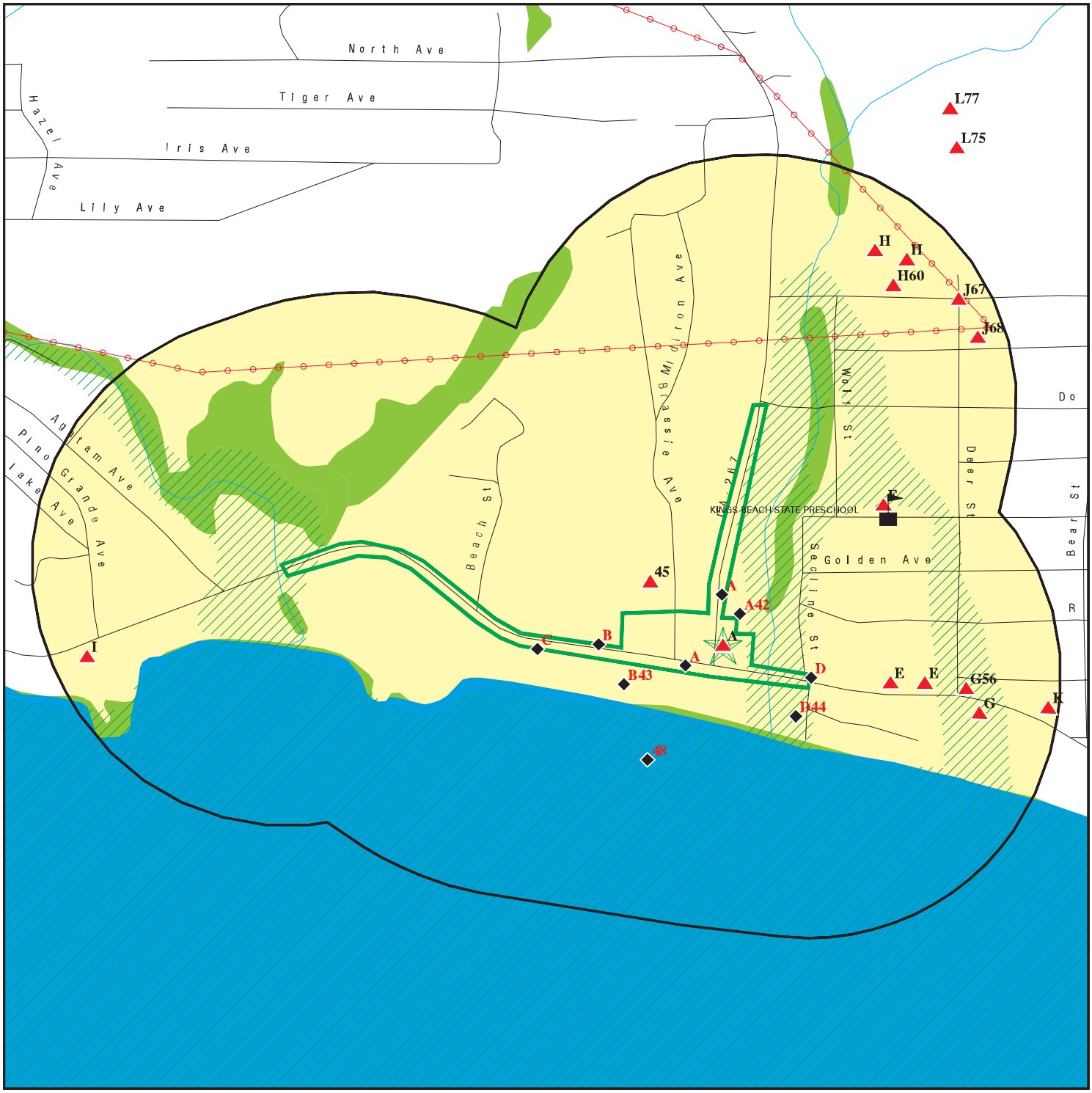
DETAIL MAP - 5585045.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

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

SITE NAME:	Western Approach	CLIENT:	Nichols Consulting Eng.,Chtd.
ADDRESS:	8001 North Lake Blvd Kings Beach CA 96143	CONTACT:	Anna Henke
LAT/LONG:	39.238276 / 120.031347	INQUIRY #:	5585045.2s
		DATE:	March 08, 2019 7:22 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	1	0	0	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	4	4	8	NR	NR	17

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	2	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	2	NR	NR	NR	4
AST	0.250		2	3	NR	NR	NR	5
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	1	NR	NR	NR	1
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250	1	5	2	NR	NR	NR	8
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	7	2	NR	NR	NR	10
HIST UST	0.250	1	6	3	NR	NR	NR	10
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		1	2	NR	NR	NR	3
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	2	6	NR	NR	NR	NR	8
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		1	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EMI	0.001		4	NR	NR	NR	NR	4
ENF	0.001		2	NR	NR	NR	NR	2
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		3	NR	NR	NR	NR	3
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	2	1	4	NR	NR	8
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
CA PLACER CO. MS	0.250	1	10	8	NR	NR	NR	19
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	1	0	NR	NR	NR	NR	1
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		1	0	1	0	NR	2
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		1	NR	NR	NR	NR	1
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		2	NR	NR	NR	NR	2
CIWQS	0.001	1	3	NR	NR	NR	NR	4
CERS	0.001	2	3	NR	NR	NR	NR	5
WIP	0.250		0	0	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125	1	2	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001	2	0	NR	NR	NR	NR	2
- Totals --		15	69	30	15	0	0	129

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property

KEN'S TIRE CENTER
8001 NORTH LAKE BLVD
KINGS BEACH, CA 96143

FINDS **1023276491**
N/A

Site 1 of 23 in cluster A

Actual:
6248 ft.

FINDS:

Registry ID: 110065668325

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2
Target
Property

KEN'S TIRE CENTER
8001 NORTH LAKE BLVD
KINGS BEACH, CA 96143

LUST **S102432164**
CERS HAZ WASTE **N/A**
HIST CORTESE
CA PLACER CO. MS
CERS

Site 2 of 23 in cluster A

Actual:
6248 ft.

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100321
Global Id:	T0606100321
Latitude:	39.238212
Longitude:	-120.031297
Status:	Completed - Case Closed
Status Date:	10/03/1997
Case Worker:	Not reported
RB Case Number:	6T0022A
Local Agency:	PLACER COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0606100321
Contact Type:	Local Agency Caseworker
Contact Name:	West Bourgault
Organization Name:	PLACER COUNTY
Address:	3091 County Center Drive, Suite 180
City:	Auburn
Email:	wbourgau@placer.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0606100321
Action Type:	Other
Date:	08/04/1986
Action:	Leak Reported

Global Id:	T0606100321
Action Type:	ENFORCEMENT
Date:	09/28/1987

KEN'S TIRE CENTER (Continued) **S102432164**

Action: * Historical Enforcement

Global Id: T0606100321
Action Type: Other
Date: 08/04/1986
Action: Leak Discovery

Global Id: T0606100321
Action Type: Other
Date: 06/03/1988
Action: Leak Stopped

LUST:
Global Id: T0606100321
Status: Completed - Case Closed
Status Date: 10/03/1997

Global Id: T0606100321
Status: Open - Case Begin Date
Status Date: 08/04/1986

Global Id: T0606100321
Status: Open - Remediation
Status Date: 04/01/1989

Global Id: T0606100321
Status: Open - Site Assessment
Status Date: 03/13/1988

CERS HAZ WASTE:
Site ID: 153389
CERS ID: 10205602
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Violation Date: 02-09-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 05/02/2018. 1) Waste antifreeze start accumulation date is 8/7/17. All wastes must be removed from facility by a permitted waste hauler within 180 days of the start accumulation date. Provide this office a copy of the manifest by 3/11/2018. 2) Used oil filter start accumulation date is 6/17/2016 and waste manifests confirm this. Used oil filters must be removed from facility every 180 days or every 365 days if they are crushed and being recycled. Provide

KEN'S TIRE CENTER (Continued) **S102432164**

	this office with a copy of the manifest by 3/11/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-16-2016
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 02/16/2016. The EPA ID # was inactive. A renewal application was completed and faxed to DTSC at time of inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-19-2015
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 03/18/2015. Did not observe current training records for employees. Be sure to train all employees who handle hazardous wastes and maintain training documentation.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	01-23-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 02/28/2014. 1) Be sure to fill out the start accumulation date on the used oil tank. Observed the pickup date and manifest number but no start accumulation dates. Discussed with Joe David at the time of the inspection. 2) Waste anti freeze containers are stored under the floor and not labeled at the time of the inspection. Correct immediately. Be sure all containers storing hazardous wastes are labeled appropriately and are closed and secure at all times unless in immediate use.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

KEN'S TIRE CENTER (Continued) **S102432164**

	Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 02/09/2018. 1) Label shop day used oil tanks "waste oil, empty daily". Complied at the time of inspection. 2) Observed used floor sweep without a label. All containers holding hazardous wastes must be properly labeled. Complied at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-19-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/18/2015. Observed hazardous waste labels on all containers, however, the labels were not filled out. Be sure to complete all the information (ie: facility name, address, EPA ID, waste product, and start accumulation date) on any container that stores hazardous waste. Correct within 30 days from this inspection report.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/09/2018. Last Hazardous Material Business Plan was last submitted to CERS on 2/16/2016. Business Plan is required to be submitted annually. Corrected at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description:	Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system; 2) A

KEN'S TIRE CENTER (Continued) **S102432164**

device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.

Violation Notes: Returned to compliance on 03/01/2018. Facility was out of fresh absorbent material at the time of the inspection. Be sure a fully stocked spill kit is available at all times. Correct by 3/11/2018 and provide photo documentation to this office.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Violation Date: 01-23-2014
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 02/28/2014. Observed an open 5 gallon bucket with used oil and two 55 gallon plastic drums used for anit freeze without the caps on at the time of the inspection. Went over proper waste storage with Joe David. Be sure all waste storage containers are closed and secured at all times excpet when immediately adding product to them.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Violation Date: 02-09-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/01/2018. Last documented employee training was in 2015. Must train employees annually and maintain records for a minimum of 3 years. Provide proof of employee training to this office by 3/11/2018.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Violation Date: 02-09-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any

KEN'S TIRE CENTER (Continued) **S102432164**

hazardous waste.

Violation Notes: Returned to compliance on 02/09/2018. EPA ID was inactivated on 6/17/2017. Must have an active EPA ID number. Joe sent paperwork to DTSC to reactivate number on 2/6/2018. This is a repeat violation. Be sure to keep EPA ID number active at all times.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Violation Date: 02-09-2018
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes: Returned to compliance on 03/02/2018. Facility must notify property owner that it has hazardous materials above reportable quantities. Gave a sample letter to Joe at the time of the inspection. Fill out letter and send to owner, provide a copy to this office by 3/11/2018.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Joe David. Observed HMBP maintained on site. Observed employee training documentation being maintained on site. Facility has submitted current HMBP and waste information into CERS as of 1/23/14.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Small Quantity Waste Generation inspection on site, consented by Joe David. Correct all violations and provide documentation to this office by 3/11/2018. Observed manifests maintained on site for 3+ years.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site with Joe David for a Hazardous Materials Business Plan inspection. -No violations. Reviewed/Verified: - Business Activities -

KEN'S TIRE CENTER (Continued) **S102432164**

	Owner/Operator Information - Chemical Inventory - Site Map - Emergency Response Plan - Employee Training Plan
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-28-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection for Small Quantity Waste Generator inspection on site, consented by service technician. Observed all waste containers properly labeled including the start accumulation date and closed securely. Observed new bucket for used floor sweep.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-23-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generator inspection on site, consented by Joe David. Observed emergency numbers posted by the phones. Fire extinguisher are getting close to their annual testing time. Be sure to label daily used oil containers as to their contents and "empty daily" on them. Keep containers closed in between filling them to prevent unwanted spills/releases. Empty all containers at the end of the day into the bulk used oil tank. Be sure to label all containers properly, including start accumulation dates. Provide a used floor sweep container, label, maintain as a hazardous waste. Note: no used absorbent material was observed at the time of the inspection. This office will conduct a reinspection for violation correct on or after 2/23/2014. Thank you for your cooperation during this inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-09-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Joe David. HMBP must be submitted to CERS annually. Employee training must be conducted annually and records maintained on site for a minimum of 3 years. Business plan is reflective of products on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-16-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generation on site with

KEN'S TIRE CENTER (Continued) **S102432164**

	Joe David. -waste manifests maintained for 3 years
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-19-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generation on site, consented by Joe David. Be sure to properly label all waste containers. Be sure to put start accumulation dates on all waste containers. Observed waste manifests being maintained for a minimum of 3 years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	reinspection of violations from inspection report dated
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection of violations noted on 2/19/2015 on site, consented by Joe David. Observed employee training documents from 2014 and 2015. Be sure to maintain all training documents on site for the time the employee is working at the facility and then 3 years after. Observed proper labeling, including the start accumulation dates, on all hazardous waste containers. All violations noted on routine inspection report dated 2/19/2015 have been corrected.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Site Address:	8001 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	01-23-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS
Site ID:	153389

KEN'S TIRE CENTER (Continued) **S102432164**

Site Name: SIERRA COUNTRY TIRE & AUTO
Site Address: 8001 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Site Address: 8001 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-19-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Joe David
Entity Title: Not reported
Affiliation Address: PO BOX 1802
Affiliation City: KINGS BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96143
Affiliation Phone: (530) 546-5927

Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Environmental Contact
Entity Name: Joe David
Entity Title: Not reported
Affiliation Address: PO Bos 1208
Affiliation City: Kings Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: (530) 546-5927

Affiliation Type Desc: Operator

KEN'S TIRE CENTER (Continued) **S102432164**

Entity Name:	David, Joe
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 564-5927
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 1802
Affiliation City:	KINGS BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	SIERRA COUNTRY TIRE & AUTO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	31
Reg By:	LTNKA
Reg Id:	6T0022A

PLACER CO. MS:

Facility ID:	FA0002602
Facility Status:	Closed
Program Element Code:	2307
Program:	UNDERGROUND STORAGE TANKS - 7 TANKS
Record Num:	PR0003933
District Code:	6
Decode for Fstatus:	Closed
Facility ID:	FA0003089
Facility Status:	Closed
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0007451
District Code:	53
Decode for Fstatus:	Closed
Facility ID:	FA0004386
Facility Status:	Active
Program Element Code:	2105

KEN'S TIRE CENTER (Continued) **S102432164**

Program: HAZMAT BUSINESS PLAN
Record Num: PR0007518
District Code: 61
Decode for Fstatus: Active

Facility ID: FA0004386
Facility Status: Active
Program Element Code: 2270
Program: SMALL QUANTITY GENERATOR
Record Num: PR0008732
District Code: Not reported
Decode for Fstatus: Active

CERS TANKS:
Site ID: 153389
CERS ID: 10205602
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Violation Date: 02-09-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 05/02/2018. 1) Waste antifreeze start accumulation date is 8/7/17. All wastes must be removed from facility by a permitted waste hauler within 180 days of the start accumulation date. Provide this office a copy of the manifest by 3/11/2018. 2) Used oil filter start accumulation date is 6/17/2016 and waste manifests confirm this. Used oil filters must be removed from facility every 180 days or every 365 days if they are crushed and being recycled. Provide this office with a copy of the manifest by 3/11/2018.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Violation Date: 02-16-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 02/16/2016. The EPA ID # was inactive. A renewal application was completed and faxed to DTSC at time of inspection.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

KEN'S TIRE CENTER (Continued) **S102432164**

Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-19-2015
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 03/18/2015. Did not observe current training records for employees. Be sure to train all employees who handle hazardous wastes and maintain training documentation.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	01-23-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 02/28/2014. 1) Be sure to fill out the start accumulation date on the used oil tank. Observed the pickup date and manifest number but no start accumulation dates. Discussed with Joe David at the time of the inspection. 2) Waste anti freeze containers are stored under the floor and not labeled at the time of the inspection. Correct immediately. Be sure all containers storing hazardous wastes are labeled appropriately and are closed and secure at all times unless in immediate use.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 02/09/2018. 1) Label shop day used oil tanks "waste oil, empty daily". Complied at the time of inspection. 2) Observed used floor sweep without a label. All containers holding hazardous wastes must be properly labeled. Complied at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-19-2015

KEN'S TIRE CENTER (Continued) **S102432164**

Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/18/2015. Observed hazardous waste labels on all containers, however, the labels were not filled out. Be sure to complete all the information (ie: facility name, address, EPA ID, waste product, and start accumulation date) on any container that stores hazardous waste. Correct within 30 days from this inspection report.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/09/2018. Last Hazardous Material Business Plan was last submitted to CERS on 2/16/2016. Business Plan is required to be submitted annually. Corrected at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description:	Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
Violation Notes:	Returned to compliance on 03/01/2018. Facility was out of fresh absorbent material at the time of the inspection. Be sure a fully stocked spill kit is available at all times. Correct by 3/11/2018 and provide photo documentation to this office.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO

KEN'S TIRE CENTER (Continued) **S102432164**

Violation Date:	01-23-2014
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 02/28/2014. Observed an open 5 gallon bucket with used oil and two 55 gallon plastic drums used for anit freeze without the caps on at the time of the inspection. Went over proper waste storage with Joe David. Be sure all waste storage containers are closed and secured at all times excpet when immediately adding product to them.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 03/01/2018. Last documented employee training was in 2015. Must train employees annually and maintain records for a minimum of 3 years. Provide proof of employee training to this office by 3/11/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 02/09/2018. EPA ID was inactivated on 6/17/2017. Must have an active EPA ID number. Joe sent paperwork to DTSC to reactivate number on 2/6/2018. This is a repeat violation. Be sure to keep EPA ID number active at all times.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	153389
Site Name:	SIERRA COUNTRY TIRE & AUTO
Violation Date:	02-09-2018
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes:	Returned to compliance on 03/02/2018. Facility must notify property

KEN'S TIRE CENTER (Continued) **S102432164**

owner that it has hazardous materials above reportable quantities. Gave a sample letter to Joe at the time of the inspection. Fill out letter and send to owner, provide a copy to this office by 3/11/2018.

Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Joe David. Observed HMBP maintained on site. Observed employee training documentation being maintained on site. Facility has submitted current HMBP and waste information into CERS as of 1/23/14.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Small Quantity Waste Generation inspection on site, consented by Joe David. Correct all violations and provide documentation to this office by 3/11/2018. Observed manifests maintained on site for 3+ years.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site with Joe David for a Hazardous Materials Business Plan inspection. -No violations. Reviewed/Verified: - Business Activities - Owner/Operator Information - Chemical Inventory - Site Map - Emergency Response Plan - Employee Training Plan
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-28-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection for Small Quantity Waste Generator inspection on site, consented by service technician. Observed all waste containers properly labeled including the start accumulation date and closed securely. Observed new bucket for used floor sweep.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

KEN'S TIRE CENTER (Continued) **S102432164**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-23-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generator inspection on site, consented by Joe David. Observed emergency numbers posted by the phones. Fire extinguisher are getting close to their annual testing time. Be sure to label daily used oil containers as to their contents and "empty daily" on them. Keep containers closed in between filling them to prevent unwanted spills/releases. Empty all containers at the end of the day into the bulk used oil tank. Be sure to label all containers properly, including start accumulation dates. Provide a used floor sweep container, label, maintain as a hazardous waste. Note: no used absorbent material was observed at the time of the inspection. This office will conduct a reinspection for violation correct on or after 2/23/2014. Thank you for your cooperation during this inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-09-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Joe David. HMBP must be submitted to CERS annually. Employee training must be conducted annually and records maintained on site for a minimum of 3 years. Business plan is reflective of products on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-16-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generation on site with Joe David. -waste manifests maintained for 3 years
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-19-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generation on site, consented by Joe David. Be sure to properly label all waste containers. Be sure to put start accumulation dates on all waste containers. Observed waste manifests being maintained for a minimum of 3 years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

KEN'S TIRE CENTER (Continued) **S102432164**

Eval General Type: Other/Unknown
Eval Date: 03-18-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reinspection of violations from inspection report dated
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-18-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection of violations noted on 2/19/2015 on site, consented by Joe David. Observed employee training documents from 2014 and 2015. Be sure to maintain all training documents on site for the time the employee is working at the facility and then 3 years after. Observed proper labeling, including the start accumulation dates, on all hazardous waste containers. All violations noted on routine inspection report dated 2/19/2015 have been corrected.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Site Address: 8001 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 01-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Site Address: 8001 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 153389
Site Name: SIERRA COUNTRY TIRE & AUTO
Site Address: 8001 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-19-2015

KEN'S TIRE CENTER (Continued) **S102432164**

Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Joe David
Entity Title: Not reported
Affiliation Address: PO BOX 1802
Affiliation City: KINGS BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96143
Affiliation Phone: (530) 546-5927

Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Environmental Contact
Entity Name: Joe David
Entity Title: Not reported
Affiliation Address: PO Bos 1208
Affiliation City: Kings Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: (530) 546-5927

Affiliation Type Desc: Operator
Entity Name: David, Joe
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 564-5927

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO BOX 1802
Affiliation City: KINGS BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: Not reported

KEN'S TIRE CENTER (Continued) **S102432164**

Affiliation Type Desc:	Parent Corporation
Entity Name:	SIERRA COUNTRY TIRE & AUTO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

A3 **KEN'S TIRE CENTER** **RGA LUST** **S114639567**
Target **8001 NORTH LAKE BOULEVARD** **N/A**
Property **KINGS BEACH, CA**

Site 3 of 23 in cluster A

Actual:
6248 ft.

RGA LUST:

1998	KEN'S TIRE CENTER	8001 NORTH LAKE BOULEVARD
1997	KEN'S TIRE CENTER	8001 NORTH LAKE BOULEVARD
1996	KEN'S TIRE CENTER	8001 NORTH LAKE BOULEVARD
1995	KEN'S TIRE CENTER	8001 NORTH LAKE BOULEVARD
1994	KEN'S TIRE CENTER	8001 NORTH LAKE BOULEVARD
1993	KEN'S TIRE CENTER	8001 NORTH LAKE BOULEVARD
1992	KEN'S TIRE CENTER	8001 NORTH LAKE BOULEVARD

A4 **SIERRA COUNTRY TIRE & AUTO** **FINDS** **1016717701**
Target **8001 N LAKE BLVD** **N/A**
Property **KINGS BEACH, CA 96143**

Site 4 of 23 in cluster A

Actual:
6248 ft.

FINDS:

Registry ID: 110057107777

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A5 **KEN'S TIRE CENTER** **CERS** **S121753655**
Target **8001 NORTH LAKE BLVD** **N/A**
Property **KINGS BEACH, CA 96143**

Site 5 of 23 in cluster A

Actual:
6248 ft.

CERS TANKS:

Site ID:	234945
CERS ID:	T0606100321
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

KEN'S TIRE CENTER (Continued) **S121753655**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	West Bourgault - PLACER COUNTY
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive, Suite 180
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

A6 **KENS TIRE CENTER INC** **EDR Hist Auto** **1020824092**
Target **8001 N LAKE BLVD** **N/A**
Property **KINGS BEACH, CA 95719**

Site 6 of 23 in cluster A

Actual: EDR Hist Auto
6248 ft.

Year:	Name:	Type:
1971	KENS TIRE CENTER INC	Gasoline Service Stations
1972	KENS TIRE CENTER INC	Gasoline Service Stations
1973	KENS TIRE CENTER INC	Gasoline Service Stations
1974	KENS TIRE CENTER INC	Gasoline Service Stations
1976	KENS TIRE CENTER INC	Gasoline Service Stations
1977	KENS TIRE CENTER INC	Gasoline Service Stations
1979	KENS TIRE CENTER INC	Gasoline Service Stations
1980	KENS TIRE CENTER INC	Gasoline Service Stations
1982	KENS TIRE CENTER INC	Gasoline Service Stations
1983	KENS TIRE CENTER INC	Gasoline Service Stations
1985	KENS TIRE CENTER INC	Gasoline Service Stations
1986	KENS TIRE CENTER INC	Gasoline Service Stations
1987	NORTH SHORE TIRE & BRAKE	General Automotive Repair Shops
1988	NORTH SHORE TIRE & BRAKE	General Automotive Repair Shops
1989	NORTH SHORE TIRE & BRAKE	General Automotive Repair Shops

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A7 **KENS TIRE CENTER** **SWEEPS UST** **S104252382**
Target **8001 N LAKE BLVD** **N/A**
Property **KINGS BEACH, CA 95719**

Site 7 of 23 in cluster A

Actual: SWEEPS UST:
6248 ft.

Status:	Active
Comp Number:	19815
Number:	9
Board Of Equalization:	44-017088
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	31-000-019815-000001
Tank Status:	A
Capacity:	6000
Active Date:	07-01-85
Tank Use:	M.V. FUEL

KENS TIRE CENTER (Continued) **S104252382**

STG: P
Content: LEADED
Number Of Tanks: 7

Status: Active
Comp Number: 19815
Number: 9
Board Of Equalization: 44-017088
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 31-000-019815-000002
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 19815
Number: 9
Board Of Equalization: 44-017088
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 31-000-019815-000003
Tank Status: A
Capacity: 4000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 19815
Number: 9
Board Of Equalization: 44-017088
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 31-000-019815-000004
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 19815

KENS TIRE CENTER (Continued) **S104252382**

Number: 9
Board Of Equalization: 44-017088
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 31-000-019815-000005
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 19815
Number: 9
Board Of Equalization: 44-017088
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 6
SWRCB Tank Id: 31-000-019815-000006
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 19815
Number: 9
Board Of Equalization: 44-017088
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 7
SWRCB Tank Id: 31-000-019815-000007
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

A8 **KENS TIRE CENTER** **HIST UST** **U001614762**
Target **8001 N LAKE BLVD** **N/A**
Property **KINGS BEACH, CA 95719**

Site 8 of 23 in cluster A

Actual:
6248 ft.

HIST UST:

File Number:	0001F294
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F294.pdf
Region:	STATE
Facility ID:	00000019815
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	DEN GORDON
Telephone:	9165462518
Owner Name:	KEN'S TIRE CENTER INC.
Owner Address:	8001 N. LAKE BLVD.
Owner City,St,Zip:	KINGS BEACH, CA 95719
Total Tanks:	0007
Tank Num:	001
Container Num:	1
Year Installed:	1959
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	1959
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	3
Year Installed:	1959
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	004
Container Num:	4
Year Installed:	1962
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	005
Container Num:	5
Year Installed:	1962

KENS TIRE CENTER (Continued) **U001614762**

Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	006
Container Num:	6
Year Installed:	1962
Tank Capacity:	00001000
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	007
Container Num:	7
Year Installed:	1962
Tank Capacity:	00001000
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Click here for Geo Tracker PDF:

A9 **KINGS BEACH GATEWAY TO THE CORE** **NPDES S118597810**
Target **8001 NORTH LAKE BLVD** **CIWQS N/A**
Property **KINGS BEACH, CA 96143**

Site 9 of 23 in cluster A

Actual:
6248 ft.

NPDES:

Facility Status:	Terminated
NPDES Number:	Not reported
Region:	6A
Agency Number:	0
Regulatory Measure ID:	469014
Place ID:	Not reported
Order Number:	Not reported
WDID:	6A31LT000063
Regulatory Measure Type:	Enrollee
Program Type:	Region 6 S. Lake Tahoe Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/22/2016
Termination Date Of Regulatory Measure:	12/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	3091 County Center Dr Ste 220
Discharge Name:	Placer County Deptartment of Public Works
Discharge City:	Auburn
Discharge State:	California
Discharge Zip:	95603
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported

KINGS BEACH GATEWAY TO THE CORE (Continued) **S118597810**

Operator Zip:	Not reported
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Terminated
Agency Number:	0
Region:	6A
Regulatory Measure ID:	469014
Order Number:	Not reported
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6A31LT000063
Program Type:	Region 6 S. Lake Tahoe Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/22/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/21/2016
Discharge Name:	Placer County Deptartment of Public Works
Discharge Address:	3091 County Center Dr Ste 220
Discharge City:	Auburn
Discharge State:	California
Discharge Zip:	95603
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported

KINGS BEACH GATEWAY TO THE CORE (Continued) **S118597810**

Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	6A
Regulatory Measure ID:	469014
Order Number:	Not reported
Regulatory Measure Type:	Region 6 S. Lake Tahoe Permit
Place ID:	Not reported
WDID:	6A31LT000063
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/21/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	02/03/2016
Processed Date:	02/22/2016
Status:	Terminated
Status Date:	12/21/2016
Place Size:	1.4
Place Size Unit:	Acres
Contact:	Brian Stewart
Contact Title:	Senior Civil Engineer
Contact Phone:	530-581-6216
Contact Phone Ext:	Not reported
Contact Email:	bstewart@placer.ca.gov
Operator Name:	Placer County Deptartment of Public Works
Operator Address:	3091 County Center Dr Ste 220
Operator City:	Auburn
Operator State:	California
Operator Zip:	95603
Operator Contact:	Brian Stewart

KINGS BEACH GATEWAY TO THE CORE (Continued) **S118597810**

Operator Contact Title:	Senior Civil Engineer
Operator Contact Phone:	530-581-6216
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	bstewart@placer.ca.gov
Operator Type:	County Agency
Developer:	Placer County Deptartment of Public Works
Developer Address:	3091 County Center Dr Ste 220
Developer City:	Auburn
Developer State:	California
Developer Zip:	95603
Developer Contact:	Brian Stewart
Developer Contact Title:	Senior Civil Engineer
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	Y
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Lake Tahoe
Certifier:	Brian Stewart
Certifier Title:	Senior Civil Engineer
Certification Date:	03-FEB-16
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6A31LT000063
Regulatory Measure Type:	Region 6 S. Lake Tahoe Permit
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported

KINGS BEACH GATEWAY TO THE CORE (Continued) **S118597810**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	12/21/2016
Operator Name:	Placer County Deptartment of Public Works
Operator Address:	3091 County Center Dr Ste 220
Operator City:	Auburn
Operator State:	California
Operator Zip:	95603

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Terminated
Agency Number:	0
Region:	6A
Regulatory Measure ID:	469014
Order Number:	Not reported
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6A31LT000063
Program Type:	Region 6 S. Lake Tahoe Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/22/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/21/2016
Discharge Name:	Placer County Deptartment of Public Works
Discharge Address:	3091 County Center Dr Ste 220
Discharge City:	Auburn
Discharge State:	California
Discharge Zip:	95603
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

KINGS BEACH GATEWAY TO THE CORE (Continued) **S118597810**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	6A
Regulatory Measure ID:	469014
Order Number:	Not reported
Regulatory Measure Type:	Region 6 S. Lake Tahoe Permit
Place ID:	Not reported
WDID:	6A31LT000063
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/21/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	02/03/2016
Processed Date:	02/22/2016
Status:	Terminated
Status Date:	12/21/2016
Place Size:	1.4
Place Size Unit:	Acres
Contact:	Brian Stewart
Contact Title:	Senior Civil Engineer

KINGS BEACH GATEWAY TO THE CORE (Continued) **S118597810**

Contact Phone:	530-581-6216
Contact Phone Ext:	Not reported
Contact Email:	bstewart@placer.ca.gov
Operator Name:	Placer County Deptartment of Public Works
Operator Address:	3091 County Center Dr Ste 220
Operator City:	Auburn
Operator State:	California
Operator Zip:	95603
Operator Contact:	Brian Stewart
Operator Contact Title:	Senior Civil Engineer
Operator Contact Phone:	530-581-6216
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	bstewart@placer.ca.gov
Operator Type:	County Agency
Developer:	Placer County Deptartment of Public Works
Developer Address:	3091 County Center Dr Ste 220
Developer City:	Auburn
Developer State:	California
Developer Zip:	95603
Developer Contact:	Brian Stewart
Developer Contact Title:	Senior Civil Engineer
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	Y
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Lake Tahoe
Certifier:	Brian Stewart
Certifier Title:	Senior Civil Engineer
Certification Date:	03-FEB-16
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Placer County Deptartment of Public Works
Agency Address:	3091 County Center Dr Ste 220, Auburn, CA 95603
Place/Project Type:	Construction - Transportation
SIC/NAICS:	Not reported
Region:	6T
Program:	CONSTW

KINGS BEACH GATEWAY TO THE CORE (Continued) **S118597810**

Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Region 6 S. Lake Tahoe Permit
Order Number:	R6T-2011-0019
WDID:	6A31LT000063
NPDES Number:	CAG616002
Adoption Date:	Not reported
Effective Date:	02/22/2016
Termination Date:	12/21/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	2
Violations within 5 years:	3
Latitude:	39.236111
Longitude:	-120.023333

A10 **KEN'S TIRE CENTER** **RGA LUST** **S114639565**
Target **8001 NORTH LAKE BLVD** **N/A**
Property **KINGS BEACH, CA**

Site 10 of 23 in cluster A

Actual: **6248 ft.**

RGA LUST:

2012	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2011	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2010	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2009	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2008	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2007	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2006	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2005	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2003	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2002	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2001	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD
2000	KEN'S TIRE CENTER	8001 NORTH LAKE BLVD

A11 **OLD BROCKWAY GOLF COURSE** **UST** **U003785849**
7900 NORTH LAKE BLVD **EMI** **N/A**
< 1/8 **KINGS BEACH, CA 96143** **ENF**
1 ft. **WDS**
WDR
Site 11 of 23 in cluster A **CIWQS**
CERS

Relative: **Lower**

Actual: **6246 ft.**

UST:

Facility ID:	FA0000964
Permitting Agency:	PLACER COUNTY
Latitude:	39.23795
Longitude:	-120.03143

EMI:

Year:	2008
County Code:	31
Air Basin:	LT

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Facility ID:	826
Air District Name:	PLA
SIC Code:	7992
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.00228
Reactive Organic Gases Tons/Yr:	.002271564
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	31
Air Basin:	LT
Facility ID:	826
Air District Name:	PLA
SIC Code:	7992
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.5200000000000001E-3
Reactive Organic Gases Tons/Yr:	0.002
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	31
Air Basin:	LT
Facility ID:	826
Air District Name:	PLA
SIC Code:	7992
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	31
Air Basin:	LT
Facility ID:	826
Air District Name:	PLA
SIC Code:	7992
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	31
Air Basin:	LT
Facility ID:	826
Air District Name:	PLA
SIC Code:	7992
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	31
Air Basin:	LT
Facility ID:	826
Air District Name:	PLA
SIC Code:	7992
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

ENF:

Region:	6A
Facility Id:	245866
Agency Name:	Lewis, Lane & Helen
Place Type:	Recreational
Place Subtype:	Outdoor Event Venue
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	39.23884
Place Longitude:	-120.03188
SIC Code 1:	7992
SIC Desc 1:	Public Golf Courses
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	71391
NAICS Desc 1:	Golf Courses and Country Clubs (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Erosion wastes
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRNONMUNIPRCS
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6A318801004
Reg Measure Id:	140407
Reg Measure Type:	WDR
Region:	6A
Order #:	00-049
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	05/05/2016
Effective Date:	06/14/2000
Expiration/Review Date:	06/15/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	254087
Region:	6A
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/29/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/10/2011

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6A318801004
Description:	Submit third Quarterly 2004 SMR on 12-15-2004
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	6A
Facility Id:	245866
Agency Name:	Lewis, Lane & Helen
Place Type:	Recreational
Place Subtype:	Outdoor Event Venue
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	39.23884
Place Longitude:	-120.03188
SIC Code 1:	7992
SIC Desc 1:	Public Golf Courses
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	71391
NAICS Desc 1:	Golf Courses and Country Clubs (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Erosion wastes
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRNONMUNIPRCS
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6A318801004
Reg Measure Id:	140407
Reg Measure Type:	WDR
Region:	6A
Order #:	00-049

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	05/05/2016
Effective Date:	06/14/2000
Expiration/Review Date:	06/15/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	252205
Region:	6A
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/27/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/10/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6A318801004
Description:	Failed to submit 2004 1st Quarter SMR
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	6A
Facility Id:	245866
Agency Name:	Lewis, Lane & Helen
Place Type:	Recreational
Place Subtype:	Outdoor Event Venue
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	39.23884
Place Longitude:	-120.03188
SIC Code 1:	7992

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

SIC Desc 1:	Public Golf Courses
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	71391
NAICS Desc 1:	Golf Courses and Country Clubs (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Erosion wastes
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRNONMUNIPRCS
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6A318801004
Reg Measure Id:	140407
Reg Measure Type:	WDR
Region:	6A
Order #:	00-049
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	05/05/2016
Effective Date:	06/14/2000
Expiration/Review Date:	06/15/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	240645
Region:	6A
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	01/16/2002

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/14/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6A318801004
Description:	Staff contacted Dave Laurie on 1-16-02 to request submittal of annual report (due 12-15-01). No compliance date given.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

WDS:

Facility ID:	North Lahontan 318801004
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	Not reported
Facility Contact:	LANE AND HELEN LEWIS
Agency Name:	LEWIS LANE & HELEN
Agency Address:	PO BOX 1368
Agency City,St,Zip:	KINGS BEACH 96143
Agency Contact:	LANE LEWIS
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	7992
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	D
Waste2:	Stormwater Runoff
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Erosion Wastes
Secondary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

POTW: The facility is not a POTW.
Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WDR:
Global ID: WDR100030675
Status: ACTIVE - WDR

CIWQS:
Agency: Lewis, Lane & Helen
Agency Address: Po Box 1368, Kings Beach, CA 96143
Place/Project Type: Outdoor Event Venue
SIC/NAICS: 7992
Region: 6T
Program: CONSTW, WDR, WDRNONMUNIPRCS
Regulatory Measure Status: Active
Regulatory Measure Type: WDR
Order Number: 00-049
WDID: 6A318801004
NPDES Number: Not reported
Adoption Date: 06/14/2000
Effective Date: 06/14/2000
Termination Date: Not reported
Expiration/Review Date: 06/15/2005
Design Flow: 0
Major/Minor: Not reported
Complexity: C
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 39.23884
Longitude: -120.03188

CERS TANKS:
Site ID: 53627
CERS ID: 245866
CERS Description: NPDES Wastewater and Stormwater

Violations:
Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 06-15-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit 2004 2nd Quarterly SMR
Violation Division: Water Boards
Violation Program: WDR

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 06-29-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report received one day late.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 07-09-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report received 5 days late
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 11-08-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report submitted late
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 02-11-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report received 2 months, 2 days late.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 01-02-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report received 9 days late. No report submitted or samples taken for 6-15-01 or 9-15-01 (minimum of 3 samples for the period from March to November must be taken, only 1 sample taken).
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 08-01-1995

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Citation: California Water Code
Violation Description: Not reported
Violation Notes: NOT SUBMITTING GROUND & SURFACE WATER MONITORING RESULTS AS REQUIRED IN PERMIT.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 10-28-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report received 9 days late. Total N 1.7 exceed water quality objectives of .5 for well No. 2.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Violation Date: 09-15-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Non-Submittal of second Quarterly 2004 SMR
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-1998
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRNONMUNI
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2004
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRNONMUNI
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-1997
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRNONMUNI
Eval Source: CIWQS

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-13-2004
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRNONMUNI
Eval Source:	CIWQS

Eval General Type:	Compliance Sampling Inspection
Eval Date:	06-29-1994
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRNONMUNI
Eval Source:	CIWQS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRNONMUNI
Eval Source:	CIWQS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-27-1997
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRNONMUNI
Eval Source:	CIWQS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-1998
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRNONMUNI
Eval Source:	CIWQS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2000
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRNONMUNI
Eval Source:	CIWQS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2002
Violations Found:	No

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRNONMUNI
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRNONMUNI
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRNONMUNI
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-1999
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRNONMUNI
Eval Source: CIWQS

Enforcement Action:
Site ID: 53627
Site Name: Old Brockway Golf Course
Site Address: 7900 NORTH LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 01-16-2002
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRNONMUNI
Enf Action Source: CIWQS

Site ID: 53627
Site Name: Old Brockway Golf Course
Site Address: 7900 NORTH LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 07-27-2004
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards

OLD BROCKWAY GOLF COURSE (Continued) **U003785849**

Enf Action Program:	WDRNONMUNI
Enf Action Source:	CIWQS
Site ID:	53627
Site Name:	Old Brockway Golf Course
Site Address:	7900 NORTH LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	10-29-2004
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	WDRNONMUNI
Enf Action Source:	CIWQS

A12 **NORTH TAHOE FPD STATION 52, VRS** **EMI** **S110502892**
288 HWY 267 **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 12 of 23 in cluster A

Relative: EMI:
Lower

Actual:
6246 ft.

Year:	2008
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0061233
Reactive Organic Gases Tons/Yr:	.00610064379
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.3200000000000001E-3
Reactive Organic Gases Tons/Yr:	5.0000000000000001E-3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

NORTH TAHOE FPD STATION 52, VRS (Continued) **S110502892**

Year:	2010
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.0800000000000003E-3
Reactive Organic Gases Tons/Yr:	0.006057504
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00608
Reactive Organic Gases Tons/Yr:	0.006057504
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00608
Reactive Organic Gases Tons/Yr:	0.006057504
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224

NORTH TAHOE FPD STATION 52, VRS (Continued) **S110502892**

Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00608
Reactive Organic Gases Tons/Yr:	0.00608
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00608
Reactive Organic Gases Tons/Yr:	0.00608
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2015
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00608
Reactive Organic Gases Tons/Yr:	0.00608
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2016
County Code:	31
Air Basin:	LT
Facility ID:	2403
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00608
Reactive Organic Gases Tons/Yr:	0.00608
Carbon Monoxide Emissions Tons/Yr:	Not reported

NORTH TAHOE FPD STATION 52, VRS (Continued) **S110502892**

NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

A13 **SAFEWAY/BROCKWAY GOLF COURSE** **HAZNET** **S112876017**
7900 N LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 13 of 23 in cluster A

Relative: **Lower**
Actual: **6246 ft.**

HAZNET:

Facility Name:	SAFEWAY/BROCKWAY GOLF COURSE
envid:	S112876017
Year:	1997
GEPAID:	CAC001227920
Contact:	SAFEWAY
Telephone:	9165467637
Mailing Name:	Not reported
Mailing Address:	PO BOX 1269
Mailing City,St,Zip:	KINGS BEACH, CA 961430000
Gen County:	Not reported
TSD EPA ID:	CAD009466392
TSD County:	Not reported
Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Recycler
Tons:	.2500
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Placer

A14 **OLD BROCKWAY GOLF CLUB** **SWEEPS UST** **S103672297**
7900 N LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 14 of 23 in cluster A

Relative: **Lower**
Actual: **6246 ft.**

SWEEPS UST:

Status:	Active
Comp Number:	5745
Number:	3
Board Of Equalization:	44-017037
Referral Date:	06-08-92
Action Date:	06-08-92
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	31-000-005745-000001
Tank Status:	A
Capacity:	550
Active Date:	05-29-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

A15 **NORTH TAHOE FPD - STATION 52** **EMI** **S110502890**
288 STATE ROUTE 267 **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 15 of 23 in cluster A

Relative: EMI:
Lower

Actual: Year:	2008
6246 ft. County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0017705270706346360
Reactive Organic Gases Tons/Yr:	.0014814
Carbon Monoxide Emissions Tons/Yr:	.024413
NOX - Oxides of Nitrogen Tons/Yr:	.0305326
SOX - Oxides of Sulphur Tons/Yr:	.00123
Particulate Matter Tons/Yr:	.0013553278688524590
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0013228

Year:	2009
County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.000204
Carbon Monoxide Emissions Tons/Yr:	2.7029999999999998E-2
NOX - Oxides of Nitrogen Tons/Yr:	1.5810000000000001E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0001428
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.2319474835886199E-3
Reactive Organic Gases Tons/Yr:	0.000204
Carbon Monoxide Emissions Tons/Yr:	2.7029999999999998E-2
NOX - Oxides of Nitrogen Tons/Yr:	1.5810000000000001E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0001428
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.4194319999999999E-4

Year: 2011

NORTH TAHOE FPD - STATION 52 (Continued) **S110502890**

County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0022319474836
Reactive Organic Gases Tons/Yr:	0.000204
Carbon Monoxide Emissions Tons/Yr:	0.02703
NOX - Oxides of Nitrogen Tons/Yr:	0.01581
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0001428
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0001419432

Year:	2012
County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0022319474836
Reactive Organic Gases Tons/Yr:	0.000204
Carbon Monoxide Emissions Tons/Yr:	0.02703
NOX - Oxides of Nitrogen Tons/Yr:	0.01581
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0001428
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0001419432

Year:	2013
County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0022319474836
Reactive Organic Gases Tons/Yr:	0.000204
Carbon Monoxide Emissions Tons/Yr:	0.02703
NOX - Oxides of Nitrogen Tons/Yr:	0.01581
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0001428
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0001419432

Year:	2014
County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD

NORTH TAHOE FPD - STATION 52 (Continued) **S110502890**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.044
NOX - Oxides of Nitrogen Tons/Yr:	0.026
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2015
County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.044
NOX - Oxides of Nitrogen Tons/Yr:	0.026
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2016
County Code:	31
Air Basin:	LT
Facility ID:	1876
Air District Name:	PLA
SIC Code:	9224
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.044
NOX - Oxides of Nitrogen Tons/Yr:	0.026
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A16 **OLD BROCKWAY GOLF COURSE** **FINDS** **1014675751**
7900 NORTH LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 16 of 23 in cluster A

Relative: Lower

Actual: 6246 ft.

FINDS:

Registry ID: 110041516259

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

STATE MASTER

OLD BROCKWAY GOLF COURSE (Continued) **1014675751**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A17 **NORTH TAHOE FPD - STATION 52** **FINDS** **1015961003**
288 STATE ROUTE 267 **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 17 of 23 in cluster A

Relative: FINDS:
Lower

Actual: Registry ID: 110054291280
6246 ft.

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A18 **NORTH TAHOE FPD STATION 52, VRS** **FINDS** **1014676430**
288 HWY 267 **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 18 of 23 in cluster A

Relative: FINDS:
Lower

Actual: Registry ID: 110041520805
6246 ft.

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A19 **WOODVISTA GOLF COURSE** **HIST UST** **U001614770**
7900 N LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 95719**
1 ft.

Site 19 of 23 in cluster A

Relative: HIST UST:
Lower

Actual:
6246 ft.

File Number:	0001F2AB
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F2AB.pdf
Region:	STATE
Facility ID:	00000005745
Facility Type:	Other
Other Type:	GOLF COURSE
Contact Name:	LESLIE LEWIS
Telephone:	9165469909
Owner Name:	LESLIE LEWIS
Owner Address:	7900 N. LAKE BLVD.

WOODVISTA GOLF COURSE (Continued) **U001614770**

Owner City,St,Zip: KINGS BEACH, CA 95719
Total Tanks: 0001

Tank Num: 001
Container Num: 01
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

B20 **SAFEWAY, INC./STORE #1592** **FINDS 1015961001**
7815 N. LAKE BLVD **ECHO N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 1 of 9 in cluster B

Relative: Lower
Actual: 6242 ft.

FINDS:

Registry ID: 110054291182

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1015961001
Registry ID: 110054291182
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110054291182

B21 **SAFEWAY, INC./STORE #1592** **EMI S110503297**
7815 N. LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 2 of 9 in cluster B

Relative: Lower
Actual: 6242 ft.

EMI:
Year: 2008
County Code: 31
Air Basin: LT
Facility ID: 1720

SAFEWAY, INC./STORE #1592 (Continued) **S110503297**

Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0043150984682713347
Reactive Organic Gases Tons/Yr:	.0003944
Carbon Monoxide Emissions Tons/Yr:	.0252616
NOX - Oxides of Nitrogen Tons/Yr:	.0049336
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.0000201207243460764
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00002

Year:	2009
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.0000000000000001E-3
Reactive Organic Gases Tons/Yr:	2.4649999999999997E-4
Carbon Monoxide Emissions Tons/Yr:	0.0157885
NOX - Oxides of Nitrogen Tons/Yr:	3.0834999999999999E-3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.2500000000000001E-5

Year:	2010
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.4803063457330401E-3
Reactive Organic Gases Tons/Yr:	2.2670000000000001E-4
Carbon Monoxide Emissions Tons/Yr:	1.4525400000000001E-2
NOX - Oxides of Nitrogen Tons/Yr:	0.0028368
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0024803063457

SAFEWAY, INC./STORE #1592 (Continued) **S110503297**

Reactive Organic Gases Tons/Yr:	0.0002267
Carbon Monoxide Emissions Tons/Yr:	0.0145254
NOX - Oxides of Nitrogen Tons/Yr:	0.0028368
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0024803063457
Reactive Organic Gases Tons/Yr:	0.0002267
Carbon Monoxide Emissions Tons/Yr:	0.0145254
NOX - Oxides of Nitrogen Tons/Yr:	0.0028368
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0024803063457
Reactive Organic Gases Tons/Yr:	0.0002267
Carbon Monoxide Emissions Tons/Yr:	0.0145254
NOX - Oxides of Nitrogen Tons/Yr:	0.0028368
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0024350161117
Reactive Organic Gases Tons/Yr:	0.0002267
Carbon Monoxide Emissions Tons/Yr:	0.0145254
NOX - Oxides of Nitrogen Tons/Yr:	0.0028368
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

SAFEWAY, INC./STORE #1592 (Continued) **S110503297**

Year:	2015
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0024350161117
Reactive Organic Gases Tons/Yr:	0.0002267
Carbon Monoxide Emissions Tons/Yr:	0.0145254
NOX - Oxides of Nitrogen Tons/Yr:	0.0028368
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2016
County Code:	31
Air Basin:	LT
Facility ID:	1720
Air District Name:	PLA
SIC Code:	5411
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0024350161117
Reactive Organic Gases Tons/Yr:	0.0002267
Carbon Monoxide Emissions Tons/Yr:	0.0145254
NOX - Oxides of Nitrogen Tons/Yr:	0.0028368
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

B22 **SAFEWAY STORE #1592** **HAZNET** **S113798656**
7815 N LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 3 of 9 in cluster B

Relative: HAZNET:
Lower

Facility Name:	SAFEWAY STORE #1592
envid:	S113798656
Year:	2012
GEPAID:	CAL000353564
Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	5918 STONERIDGE MALL RD
Mailing City,St,Zip:	PLEASANTON, CA 945883229
Gen County:	Placer
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Cat Decode:	Not reported

Actual:
6242 ft.

SAFEWAY STORE #1592 (Continued) **S113798656**

Method Decode: Not reported
Facility County: Placer

envid: S113798656
Year: 2012
GEPAID: CAL000353564
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 5918 STONERIDGE MALL RD
Mailing City,St,Zip: PLEASANTON, CA 945883229
Gen County: Placer
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0055
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

envid: S113798656
Year: 2012
GEPAID: CAL000353564
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 5918 STONERIDGE MALL RD
Mailing City,St,Zip: PLEASANTON, CA 945883229
Gen County: Placer
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0165
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

envid: S113798656
Year: 2012
GEPAID: CAL000353564
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 5918 STONERIDGE MALL RD
Mailing City,St,Zip: PLEASANTON, CA 945883229
Gen County: Placer
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.037
Cat Decode: Not reported

SAFEWAY STORE #1592 (Continued) **S113798656**

Method Decode: Not reported
Facility County: Placer

B23 **SAFEWAY AT KINGS BEACH** **FINDS** **1023315137**
7815 NORTH LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 4 of 9 in cluster B

Relative: Lower
Actual: 6242 ft.

FINDS:

Registry ID: 110066082660

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B24 **SAFEWAY #1592** **HAZNET** **S107137433**
7815 N LAKE BLVD **CA PLACER CO. MS** **N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 5 of 9 in cluster B

Relative: Lower
Actual: 6242 ft.

HAZNET:

Facility Name:	SAFEWAY STORE NO 1592
envid:	S107137433
Year:	2016
GEPAID:	CAR000236273
Contact:	SHARON SANGER
Telephone:	2083956150
Mailing Name:	Not reported
Mailing Address:	250 E PARKCENTER BLVD
Mailing City,St,Zip:	BOISE, ID 837060000
Gen County:	Placer
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Neutralization Only
Tons:	0.006
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Placer

envid:	S107137433
Year:	2016
GEPAID:	CAR000236273
Contact:	SHARON SANGER
Telephone:	2083956150
Mailing Name:	Not reported
Mailing Address:	250 E PARKCENTER BLVD
Mailing City,St,Zip:	BOISE, ID 837060000
Gen County:	Placer
TSD EPA ID:	NVD980895338

SAFEWAY #1592 (Continued) **S107137433**

TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

envid: S107137433
Year: 2016
GEPAID: CAR000236273
Contact: SHARON SANGER
Telephone: 2083956150
Mailing Name: Not reported
Mailing Address: 250 E PARKCENTER BLVD
Mailing City,St,Zip: BOISE, ID 837060000
Gen County: Placer
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0015
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

envid: S107137433
Year: 2016
GEPAID: CAR000236273
Contact: SHARON SANGER
Telephone: 2083956150
Mailing Name: Not reported
Mailing Address: 250 E PARKCENTER BLVD
Mailing City,St,Zip: BOISE, ID 837060000
Gen County: Placer
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.026
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

envid: S107137433
Year: 2015
GEPAID: CAR000236273
Contact: SHARON PLOUFFE
Telephone: 2083956150
Mailing Name: Not reported
Mailing Address: 5918 STONERIDGE MALL RD
Mailing City,St,Zip: PLEASANTON, CA 945883229
Gen County: Placer
TSD EPA ID: NVD980895338

SAFEWAY #1592 (Continued) **S107137433**

TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0085
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

Click this hyperlink while viewing on your computer to access
21 additional CA_HAZNET: record(s) in the EDR Site Report.

PLACER CO. MS:
Facility ID: FA0001000
Facility Status: Active
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0015631
District Code: 61
Decode for Fstatus: Active

Facility ID: FA0001000
Facility Status: Active
Program Element Code: 2268
Program: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num: PR0015632
District Code: Not reported
Decode for Fstatus: Active

B25 **SAFEWAY AT KINGS BEACH** **WDR S121670387**
7815 NORTH LAKE BLVD **CIWQS N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 6 of 9 in cluster B

Relative: Lower
Actual: 6242 ft.

WDR:
Global ID: WDR100035431
Status: HISTORICAL - WDR

CIWQS:
Agency: Safeway Stores Inc
Agency Address: 47400 Kato Road, Fremont, CA 94538
Place/Project Type: Other
SIC/NAICS: 5999
Region: 6T
Program: WDR
Regulatory Measure Status: Historical
Regulatory Measure Type: WDR
Order Number: 97-088
WDID: 6A319204004
NPDES Number: Not reported
Adoption Date: 09/04/1997
Effective Date: 09/04/1997
Termination Date: Not reported
Expiration/Review Date: 09/04/1997
Design Flow: 0
Major/Minor: Not reported

SAFEWAY AT KINGS BEACH (Continued) **S121670387**

Complexity:	C
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

B26 **SAFEWAY STORE NO 1592** **RCRA-LQG** **1016140038**
7815 N LAKE BLVD **CAR000236273**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 7 of 9 in cluster B

Relative: **Lower**

Actual: **6242 ft.**

RCRA-LQG:

Date form received by agency:	03/13/2013
Facility name:	SAFEWAY STORE NO 1592
Facility address:	7815 N LAKE BLVD KINGS BEACH, CA 96143
EPA ID:	CAR000236273
Mailing address:	5918 STONERIDGE MALL RD PLEASANTON, CA 94588
Contact:	KEITH B POWERS
Contact address:	5918 STONERIDGE MALL RD PLEASANTON, CA 94588
Contact country:	US
Contact telephone:	925-226-5655
Contact email:	KEITH.POWERS@SAFEWAY.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SAFEWAY INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/16/1998
Owner/Op end date:	Not reported

Owner/operator name:	SAFEWAY INC

SAFEWAY STORE NO 1592 (Continued) **1016140038**

Owner/operator address: 5918 STONERIDGE MALL RD
PLEASANTON, CA 94588
Owner/operator country: US
Owner/operator telephone: 925-467-3000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 232
. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN

SAFEWAY STORE NO 1592 (Continued) **1016140038**

OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

Violation Status: No violations found

B27 **SAFEWAY 1592** **CERS HAZ WASTE S121746281**
7815 N LAKE BLVD **CERS N/A**
< 1/8 **KINGS BEACH, CA 96143**
1 ft.

Site 8 of 9 in cluster B

Relative: Lower
Actual: 6242 ft.

CERS HAZ WASTE:
Site ID: 149993
CERS ID: 10156517
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 149993
Site Name: Safeway 1592
Violation Date: 02-23-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 02/23/2018. Facility was missing the signed Designated Facility manifest for 12/4/2017 and 9/13/2016. Cindy contacted the corporate office and received copies at the time of the inspection. Be sure to have and maintain copies of the manifests for a minimum of 3 years. Violation correct at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 149993
Site Name: Safeway 1592
Violation Date: 02-24-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 03/18/2015. Last CERS submittal was on 2/21/2013. Business plans are required to be reviewed annually. Resubmit plan in CERS by 3/26/2014.
Violation Division: Placer County Environmental Health

SAFEWAY 1592 (Continued) **S121746281**

Violation Program: HMRRP
Violation Source: CERS

Site ID: 149993
Site Name: Safeway 1592
Violation Date: 03-18-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 08/03/2015. Update EPA ID number in CERS from CAL000353564 which was inactivated in 3/2014 to the active EPA ID of CAR000236237.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Hazardous Waste Generator inspection on site, consented by Eric Lundstrom. Observed waste manifests maintained on site for 3+ years. All waste containers were closed, secure, and properly labeled. Facility has all wastes, including pharmaceutical and universal, picked up by Stericycle every three months. Observed weekly waste inspection logs.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan on site, consented by Nancy Klenow. Be sure to resubmit plan to CERS annually. No other violations observed at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Dennis. Update EPA ID number in CERS to reflect active EPA ID number. Observed all hazardous waste containers properly labeled, including start accumulation dates. Observed shipping manifests maintained on site starting in 2009. Observed proper spill clean up material.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

SAFEWAY 1592 (Continued) **S121746281**

Eval Date:	02-22-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Generator Inspection. Consented by store manager, Dennis Martin: -No violations at time of inspection. -Observed spill kit, fire extinguishers. -EPA ID number is active. -Hazardous Waste containers are properly labeled. -Manifests are maintained on site for at least 3 years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	-ROUTINE INSPECTION On site for a Hazardous Materials Business Plan inspection. Consented by store manager, Dennis Martin. Reviewed/Verified: - Business Activities - Owner/Operator Information - Chemical Inventory - Site Map - Emergency Response Plan - Employee Training Plan
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Nancy Klenow. No violations observed at the time of the inspection. Observed manifests being maintained on site. Observed hazardous and universal waste containers labeled correctly.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-23-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Eric Lundstrom. Business plan is reflective of hazardous materials maintained on site. Next Business Plan submittal is due in CERS by 1/30/2019. No violations observed at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	149993
Site Name:	Safeway 1592
Site Address:	7815 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143

SAFEWAY 1592 (Continued) **S121746281**

Enf Action Date: 02-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 149993
Site Name: Safeway 1592
Site Address: 7815 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-18-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Ron Lee
Entity Title: Not reported
Affiliation Address: 5918 Stoneridge Mall Rd.
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94588
Affiliation Phone: (925) 469-7513

Affiliation Type Desc: Legal Owner
Entity Name: Safeway, Inc.
Entity Title: Not reported
Affiliation Address: 5918 Stoneridge Mall Rd.
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 469-7000

Affiliation Type Desc: Property Owner
Entity Name: Safeway, Inc
Entity Title: Not reported
Affiliation Address: 5918 Stoneridge Mall Rd.
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 469-7000

Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn

SAFEWAY 1592 (Continued) **S121746281**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Document Preparer
Entity Name:	Keith Powers
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Safeway, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 469-7000
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 29096, MS 6515
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85038
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ron Lee
Entity Title:	Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Safeway, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

SAFEWAY 1592 (Continued) **S121746281**

CERS TANKS:
Site ID: 149993
CERS ID: 10156517
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 149993
Site Name: Safeway 1592
Violation Date: 02-23-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 02/23/2018. Facility was missing the signed Designated Facility manifest for 12/4/2017 and 9/13/2016. Cindy contacted the corporate office and received copies at the time of the inspection. Be sure to have and maintain copies of the manifests for a minimum of 3 years. Violation correct at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 149993
Site Name: Safeway 1592
Violation Date: 02-24-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 03/18/2015. Last CERS submittal was on 2/21/2013. Business plans are required to be reviewed annually. Resubmit plan in CERS by 3/26/2014.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 149993
Site Name: Safeway 1592
Violation Date: 03-18-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 08/03/2015. Update EPA ID number in CERS from CAL000353564 which was inactivated in 3/2014 to the active EPA ID of CAR000236237.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection

SAFEWAY 1592 (Continued) **S121746281**

Eval Date:	02-23-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Waste Generator inspection on site, consented by Eric Lundstrom. Observed waste manifests maintained on site for 3+ years. All waste containers were closed, secure, and properly labeled. Facility has all wastes, including pharmaceutical and universal, picked up by Stericycle every three months. Observed weekly waste inspection logs.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan on site, consented by Nancy Klenow. Be sure to resubmit plan to CERS annually. No other violations observed at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-18-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Dennis. Update EPA ID number in CERS to reflect active EPA ID number. Observed all hazardous waste containers properly labeled, including start accumulation dates. Observed shipping manifests maintained on site starting in 2009. Observed proper spill clean up material.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Generator Inspection. Consented by store manager, Dennis Martin: -No violations at time of inspection. -Observed spill kit, fire extinguishers. -EPA ID number is active. -Hazardous Waste containers are properly labeled. -Manifests are maintained on site for at least 3 years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	-ROUTINE INSPECTION On site for a Hazardous Materials Business Plan inspection. Consented by store manager, Dennis Martin.

SAFEWAY 1592 (Continued) **S121746281**

	Reviewed/Verified: - Business Activities - Owner/Operator Information - Chemical Inventory - Site Map - Emergency Response Plan - Employee Training Plan
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Nancy Klenow. No violations observed at the time of the inspection. Observed manifests being maintained on site. Observed hazardous and universal waste containers labeled correctly.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-23-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Eric Lundstrom. Business plan is reflective of hazardous materials maintained on site. Next Business Plan submittal is due in CERS by 1/30/2019. No violations observed at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	149993
Site Name:	Safeway 1592
Site Address:	7815 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-24-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	149993
Site Name:	Safeway 1592
Site Address:	7815 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	03-18-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health

SAFEWAY 1592 (Continued) **S121746281**

Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Ron Lee
Entity Title: Not reported
Affiliation Address: 5918 Stoneridge Mall Rd.
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94588
Affiliation Phone: (925) 469-7513

Affiliation Type Desc: Legal Owner
Entity Name: Safeway, Inc.
Entity Title: Not reported
Affiliation Address: 5918 Stoneridge Mall Rd.
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 469-7000

Affiliation Type Desc: Property Owner
Entity Name: Safeway, Inc
Entity Title: Not reported
Affiliation Address: 5918 Stoneridge Mall Rd.
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 469-7000

Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Document Preparer
Entity Name: Keith Powers
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Safeway, Inc.
Entity Title: Not reported

SAFEWAY 1592 (Continued) **S121746281**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 469-7000
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 29096, MS 6515
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85038
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ron Lee
Entity Title:	Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Safeway, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C28 **7770/7780 N. LAKE PIER** **FINDS** **1023320167**
7770 N LAKE BLVD **N/A**
< 1/8 **KINGS BEACH, CA 96143**
0.000 mi.
2 ft. **Site 1 of 2 in cluster C**

Relative: FINDS:
Lower

Actual: Registry ID: 110066137451
6241 ft.

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C29 **7770/7780 N. LAKE PIER** **ENF** **S111211599**
7770 N LAKE BLVD **CIWQS** **N/A**
< 1/8 **KINGS BEACH, CA**
0.000 mi.
2 ft. **Site 2 of 2 in cluster C**

Relative: **Lower**

Actual: **6241 ft.**

ENF:

Region:	6A
Facility Id:	203674
Agency Name:	Not reported
Place Type:	All Other
Place Subtype:	Dredge/Fill Site
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported

7770/7780 N. LAKE PIER (Continued) **S111211599**

Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	297351
Region:	6A
Order / Resolution Number:	R6T-2006-0046
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/11/2006
Adoption/Issuance Date:	10/11/2006
Achieve Date:	Not reported
Termination Date:	10/27/2006
ACL Issuance Date:	12/14/2005
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL -Davis,Coffeng & Pacific Built 10-11-2006
Description:	Unauthorized discharge of untreated domestic WW to Lake Tahoe
Program:	WDR
Latest Milestone Completion Date:	2006-11-02
# Of Programs1:	1
Total Assessment Amount:	26840
Initial Assessed Amount:	700000
Liability $ Amount:	26840
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CIWQS:

Agency:	Davis & Coffeng
Agency Address:	Po Box 253, Carnelian Bay, CA 96140
Place/Project Type:	Dredge/Fill Site
SIC/NAICS:	Not reported
Region:	6T
Program:	CERFILLEXC
Regulatory Measure Status:	Historical
Regulatory Measure Type:	401 Certification
Order Number:	Not reported
WDID:	6A310408003
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	Not reported
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0

7770/7780 N. LAKE PIER (Continued) **S111211599**

Violations within 5 years: 0
Latitude: Not reported
Longitude: Not reported

D30 **NORTH SHORE HARDWARE** **CERS HAZ WASTE** **S110710075**
200 SECLINE ST **CA PLACER CO. MS** **N/A**
< 1/8 **KINGS BEACH, CA 96143** **CERS**
0.001 mi.
4 ft. **Site 1 of 10 in cluster D**

Relative:
Lower

Actual:
6243 ft.

CERS HAZ WASTE:
Site ID: 52582
CERS ID: 10204957
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 01-22-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/09/2016. Waste oil is stored in 5 gallon buckets with lids. Be sure any waste container is labeled as "Hazardous Waste" with contents (ie: waste oil), facility name, address, and EPA ID number. Once 27 gallons had be accrued, a start accumulation date must also be added to the label and wastes must be removed within 90 days from the day of the start accumulation (27 gallons). Correct by 2/21/16. Note: Waste labels were left with Ken at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 12-29-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 01/18/2018. Hazardous Material Business Plan was last submitted on February 9, 2016. Business Plan is required to be resubmitted annually. Resubmit entire Business Plan to CERS no later than 1/28/2018.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 12-29-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

NORTH SHORE HARDWARE (Continued) **S110710075**

Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 01/12/2018. Last employee training was conducted on 1/26/16. All new employees must be trained within 6 months of hire and all employees must be trained annually. Training records must be maintained on site for a minimum of 3 years. Provide employee training documentation to this office by 1/28/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Violation Date:	01-14-2015
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Discussed employee training requirements with Donnie at the time of the inspection. Facility is currently not maintaining training documents. Correct immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Violation Date:	01-14-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/16/2015. Be sure to properly label all hazardous waste containers as discussed at the time of the inspection. Correct within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Violation Date:	01-22-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 02/09/2016. Facility is not maintaining employee training records. New employees must be trained within 6 months of hire and all employees must be trained annually. This is a

NORTH SHORE HARDWARE (Continued) **S110710075**

repeat violation. Violation was noted on 2015 inspection report and corrected, however employee that Environmental Health was working with and in charge of handling training documents is no longer at the facility. Training records were not available at the time of the inspection. Correct by 2/21/16. Note: all training records must be maintained and available for inspector review for a minimum of 3 years.

Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 01-22-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 02/09/2016. Facility's last CERS submittal was on 1/14/2015. Hazardous Material Business Plan is required to be submitted annually into CERS. Comply by 2/21/16. Note: Staff member that was tasked with all CERS entries in no longer at the facility. Contact this office at 530.581.6249 to schedule a time to set up Paul with a CERS account.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 01-14-2015
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 03/16/2015. Facility must maintain employee training records for as long as the employee works at facility, and three years after that. Must train new hires on the hazardous materials they handle. Correct.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 12-29-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/18/2018. Update site map in CERS to show the location of the following by 1/28/18: storm drains, north arrow, evacuation routes, location of all hazardous materials that are listed in the Chemical Inventory Section of the Business Plan.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

NORTH SHORE HARDWARE (Continued) **S110710075**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generation inspection on site, consented by Donnie Lee. Be sure to label all containers storing hazardous waste with their content, facility information, and EPA ID number. Waste accumulation start date should be put on label once 27 cumulative gallons of product have been generated. At that time, wastes must be removed within 90 days of that start date. Observed waste manifests from RDO and SafetyClean maintained on site. Observed labeled spill kits, serviced fire extinguishers, and emergency numbers posted by the telephones.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Ken Promes. Be sure all waste containers are labeled at all times. Observed waste manifests maintained on site for at least 3 years. Spill kit and fire extinguishers available by waste oil area.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine hazardous material business plan inspection on site, consented by Donnie. No violations observed at the time of inspection. Received the following updated forms at the time of the inspection: 1) Employee Training Plan. 2) Emergency Response Plan. 3) Updated facility map. Observed current HMBP being maintained on site. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Shore Hardware CERS ID# 10204957. Facility must have HMBP submitted to CERS within 30 days from this inspection, Jan 18, 2013. Note: A CERS guidance document was left at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency

NORTH SHORE HARDWARE (Continued) **S110710075**

Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Donnie. Business Plan has been resubmitted to CERS as required. Observed a copy of the Business Plan on site. Be sure to document and maintain employee training logs.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Ken. Correct the following violations no later than 2/21/2016: -Employee Training Records -CERS annual submittal Business Plan is reflective on chemicals on hand. Site map is adequate for facility. Contact this office for assistance in creating a new CERS account.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Donnie. No violations observed at the time of the inspection. Be sure not to put the start accumulation date until 27 gallons of product has been generated. Observed emergency information posted by phones. Provide this office with a copy of the invoice/manifest for the spent latex paints. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Shore Hardware CERS ID# 10204957. Facility must have HMBP submitted to CERS within 30 days from this inspection, Jan 18, 2013. Note: A CERS guidance document was left at [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-09-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	helped Paul create an account in CERS and submit HMBP, verified employee training docs.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-09-2016

NORTH SHORE HARDWARE (Continued) **S110710075**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	verified violation correction on site, closed in EC
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-29-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Don. Observed 15 gallons of waste oil on site at the time of the inspection. Waste oil is being stored in 5 gallon containers, secured, and properly labeled. Containers are stored in plastic tubs with lids. Observed spill kit available by the hazardous waste storage area. Observed consolidated waste manifests from RDO maintained on site (2014 and 2017). Discussed option of waste being transported to Eastern Regional Landfill during collection days with Don at the time of the inspection. If facility chooses this option, facility must meet DTSC transportation requirements and must maintain receipts on site for a minimum of 3 years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-29-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Donnie Lee. Hazardous Material Business Plan is required to be updated/resubmitted in CERS annually. Employee Training is required to be conducted annually and records maintained on site for a minimum of 3 years. Update site map in CERS.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Site Address:	200 SECLINE ST
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	01-14-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Site Address:	200 SECLINE ST
Site City:	KINGS BEACH

NORTH SHORE HARDWARE (Continued) **S110710075**

Site Zip: 96143
Enf Action Date: 01-14-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Site Address: 200 SECLINE ST
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 01-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Site Address: 200 SECLINE ST
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 01-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Paul Morese
Entity Title: Not reported
Affiliation Address: PO Box 1147
Affiliation City: Kings Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: (530) 546-3505

Affiliation Type Desc: Parent Corporation
Entity Name: NORTH SHORE HARDWARE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner

NORTH SHORE HARDWARE (Continued) **S110710075**

Entity Name: MORESI, WALTER
Entity Title: Not reported
Affiliation Address: PO BOX 1147
Affiliation City: KINGS BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96143
Affiliation Phone: (530) 546-3505

Affiliation Type Desc: Operator
Entity Name: MORESI, WALTER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 546-3505

Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO BOX 1147
Affiliation City: KINGS BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: Not reported

PLACER CO. MS:
Facility ID: FA0001630
Facility Status: Active
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0002392
District Code: 61
Decode for Fstatus: Active

Facility ID: FA0001630
Facility Status: Active
Program Element Code: 2268
Program: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num: PR0008619
District Code: Not reported
Decode for Fstatus: Active

NORTH SHORE HARDWARE (Continued) **S110710075**

CERS TANKS:
Site ID: 52582
CERS ID: 10204957
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 01-22-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/09/2016. Waste oil is stored in 5 gallon buckets with lids. Be sure any waste container is labeled as "Hazardous Waste" with contents (ie: waste oil), facility name, address, and EPA ID number. Once 27 gallons had be accrued, a start accumulation date must also be added to the label and wastes must be removed within 90 days from the day of the start accumulation (27 gallons). Correct by 2/21/16. Note: Waste labels were left with Ken at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 12-29-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 01/18/2018. Hazardous Material Business Plan was last submitted on February 9, 2016. Business Plan is required to be resubmitted annually. Resubmit entire Business Plan to CERS no later than 1/28/2018.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 12-29-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 01/12/2018. Last employee training was conducted on 1/26/16. All new employees must be trained within 6 months of hire and all employees must be trained annually. Training records must be maintained on site for a minimum of 3 years. Provide employee training documentation to this office by 1/28/2018.

NORTH SHORE HARDWARE (Continued) **S110710075**

Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Violation Date:	01-14-2015
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Discussed employee training requirements with Donnie at the time of the inspection. Facility is currently not maintaining training documents. Correct immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Violation Date:	01-14-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/16/2015. Be sure to properly label all hazardous waste containers as discussed at the time of the inspection. Correct within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Violation Date:	01-22-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 02/09/2016. Facility is not maintaining employee training records. New employees must be trained within 6 months of hire and all employees must be trained annually. This is a repeat violation. Violation was noted on 2015 inspection report and corrected, however employee that Environmental Health was working with and in charge of handling training documents is no longer at the facility. Training records were not available at the time of the inspection. Correct by 2/21/16. Note: all training records must be maintained and available for inspector review for a minimum of 3 years.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP

NORTH SHORE HARDWARE (Continued) **S110710075**

Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 01-22-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 02/09/2016. Facility's last CERS submittal was on 1/14/2015. Hazardous Material Business Plan is required to be submitted annually into CERS. Comply by 2/21/16. Note: Staff member that was tasked with all CERS entries in no longer at the facility. Contact this office at 530.581.6249 to schedule a time to set up Paul with a CERS account.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 01-14-2015
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 03/16/2015. Facility must maintain employee training records for as long as the employee works at facility, and three years after that. Must train new hires on the hazardous materials they handle. Correct.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Violation Date: 12-29-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/18/2018. Update site map in CERS to show the location of the following by 1/28/18: storm drains, north arrow, evacuation routes, location of all hazardous materials that are listed in the Chemical Inventory Section of the Business Plan.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generation inspection on site, consented by Donnie Lee. Be sure to label all containers storing hazardous waste with their content,

NORTH SHORE HARDWARE (Continued) **S110710075**

facility information, and EPA ID number. Waste accumulation start date should be put on label once 27 cumulative gallons of product have been generated. At that time, wastes must be removed within 90 days of that start date. Observed waste manifests from RDO and SafetyClean maintained on site. Observed labeled spill kits, serviced fire extinguishers, and emergency numbers posted by the telephones.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Ken Promes. Be sure all waste containers are labeled at all times. Observed waste manifests maintained on site for at least 3 years. Spill kit and fire extinguishers available by waste oil area.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine hazardous material business plan inspection on site, consented by Donnie. No violations observed at the time of inspection. Received the following updated forms at the time of the inspection: 1) Employee Training Plan. 2) Emergency Response Plan. 3) Updated facility map. Observed current HMBP being maintained on site. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Shore Hardware CERS ID# 10204957. Facility must have HMBP submitted to CERS within 30 days from this inspection, Jan 18, 2013. Note: A CERS guidance document was left at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Donnie. Business Plan has been resubmitted to CERS as required. Observed a copy of the Business Plan on site. Be sure to document and maintain employee training logs.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

NORTH SHORE HARDWARE (Continued) **S110710075**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Ken. Correct the following violations no later than 2/21/2016: -Employee Training Records -CERS annual submittal Business Plan is reflective on chemicals on hand. Site map is adequate for facility. Contact this office for assistance in creating a new CERS account.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Donnie. No violations observed at the time of the inspection. Be sure not to put the start accumulation date until 27 gallons of product has been generated. Observed emergency information posted by phones. Provide this office with a copy of the invoice/manifest for the spent latex paints. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Shore Hardware CERS ID# 10204957. Facility must have HMBP submitted to CERS within 30 days from this inspection, Jan 18, 2013. Note: A CERS guidance document was left at [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-09-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	helped Paul create an account in CERS and submit HMBP, verified employee training docs.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-09-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	verified violation correction on site, closed in EC
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

NORTH SHORE HARDWARE (Continued) **S110710075**

Eval Date:	12-29-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Don. Observed 15 gallons of waste oil on site at the time of the inspection. Waste oil is being stored in 5 gallon containers, secured, and properly labeled. Containers are stored in plastic tubs with lids. Observed spill kit available by the hazardous waste storage area. Observed consolidated waste manifests from RDO maintained on site (2014 and 2017). Discussed option of waste being transported to Eastern Regional Landfill during collection days with Don at the time of the inspection. If facility chooses this option, facility must meet DTSC transportation requirements and must maintain receipts on site for a minimum of 3 years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-29-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Donnie Lee. Hazardous Material Business Plan is required to be updated/resubmitted in CERS annually. Employee Training is required to be conducted annually and records maintained on site for a minimum of 3 years. Update site map in CERS.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Site Address:	200 SECLINE ST
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	01-14-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	52582
Site Name:	NORTH SHORE HARDWARE
Site Address:	200 SECLINE ST
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	01-14-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

NORTH SHORE HARDWARE (Continued) **S110710075**

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Site Address: 200 SECLINE ST
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 01-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 52582
Site Name: NORTH SHORE HARDWARE
Site Address: 200 SECLINE ST
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 01-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Paul Morese
Entity Title: Not reported
Affiliation Address: PO Box 1147
Affiliation City: Kings Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: (530) 546-3505

Affiliation Type Desc: Parent Corporation
Entity Name: NORTH SHORE HARDWARE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: MORESI, WALTER
Entity Title: Not reported
Affiliation Address: PO BOX 1147
Affiliation City: KINGS BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96143
Affiliation Phone: (530) 546-3505

NORTH SHORE HARDWARE (Continued) **S110710075**

Affiliation Type Desc:	Operator
Entity Name:	MORESI, WALTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 546-3505

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 1147
Affiliation City:	KINGS BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	Not reported

A31 **NORTH TAHOE FIRE PROTECTION** **SWEEPS UST** **S106929972**
North **302 N SHORE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA 95719**
0.003 mi.
14 ft. **Site 20 of 23 in cluster A**

Relative: **Lower**

Actual: **6246 ft.**

SWEEPS UST:

Status:	Not reported
Comp Number:	138
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

A32 **NORTH TAHOE FIRE PROTECTION DI** **SWEEPS UST** **S106929973**
North **288 N SHORE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA 95719**
0.004 mi.
20 ft. **Site 21 of 23 in cluster A**

Relative: **Lower**

Actual: **6245 ft.**

SWEEPS UST:

Status:	Active
Comp Number:	36887
Number:	4
Board Of Equalization:	44-017136
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	31-000-036887-000001
Tank Status:	A
Capacity:	550
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	36887
Number:	4
Board Of Equalization:	44-017136
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	31-000-036887-000002
Tank Status:	A
Capacity:	1000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	36887
Number:	4
Board Of Equalization:	44-017136
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	3
SWRCB Tank Id:	31-000-036887-000003
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

A33 **NORTH TAHOE FIRE PROTECTION DI** **HIST UST** **U001614765**
North **288 NORTH SHORE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA 95719**
0.004 mi.
20 ft. **Site 22 of 23 in cluster A**

Relative: HIST UST:
Lower

File Number:	0001F2E7
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F2E7.pdf
Region:	STATE
Facility ID:	00000036887
Facility Type:	Other
Other Type:	FIRE STATION
Contact Name:	RAY MARTIN
Telephone:	9165463406
Owner Name:	NORTH TAHOE FIRE PROTECTION DI
Owner Address:	288 NORTH SHORE BLVD.
Owner City,St,Zip:	KINGS BEACH, CA 95719
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1956
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	1956
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	003
Container Num:	3
Year Installed:	1963
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

D34 **TRANSAM NORTH TAHOE MOBIL** **HIST UST** **S113099192**
ESE **8070 NORTH LAKE BLVD** **EMI** **N/A**
< 1/8 **KINGS BEACH, CA 96143** **HAZNET**
0.005 mi.
24 ft. **Site 2 of 10 in cluster D**

Relative: HIST UST:
Lower

File Number:	0001F175
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F175.pdf
Region:	Not reported
Facility ID:	Not reported

TRANSAM NORTH TAHOE MOBIL (Continued) **S113099192**

Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

EMI:

Year:	2014
County Code:	31
Air Basin:	LT
Facility ID:	926
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.41
Reactive Organic Gases Tons/Yr:	0.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2015
County Code:	31
Air Basin:	LT
Facility ID:	926
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.41
Reactive Organic Gases Tons/Yr:	0.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2016
County Code:	31

TRANSAM NORTH TAHOE MOBIL (Continued) **S113099192**

Air Basin:	LT
Facility ID:	926
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.41
Reactive Organic Gases Tons/Yr:	0.41
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HAZNET:

Facility Name:	NORTH TAHOE INC
envid:	S113099192
Year:	2017
GEPAID:	CAL000396266
Contact:	RAMAN SINGH
Telephone:	5303070002
Mailing Name:	Not reported
Mailing Address:	PO BOX 2480
Mailing City,St,Zip:	KINGS BEACH, CA 96143
Gen County:	Placer
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified aqueous solution
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.63
Cat Decode:	Unspecified aqueous solution
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Placer

envid:	S113099192
Year:	2017
GEPAID:	CAL000396266
Contact:	RAMAN SINGH
Telephone:	5303070002
Mailing Name:	Not reported
Mailing Address:	PO BOX 2480
Mailing City,St,Zip:	KINGS BEACH, CA 96143
Gen County:	Placer
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified aqueous solution
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.63
Cat Decode:	Unspecified aqueous solution
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Placer

TRANSAM NORTH TAHOE MOBIL (Continued) **S113099192**

envid: S113099192
Year: 2015
GEPAID: CAL000396266
Contact: RAMAN SINGH
Telephone: 5303070002
Mailing Name: Not reported
Mailing Address: PO BOX 2480
Mailing City,St,Zip: KINGS BEACH, CA 96143
Gen County: Placer
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.42
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

envid: S113099192
Year: 2015
GEPAID: CAL000396266
Contact: RAMAN SINGH
Telephone: 5303070002
Mailing Name: Not reported
Mailing Address: PO BOX 2480
Mailing City,St,Zip: KINGS BEACH, CA 96143
Gen County: Placer
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.42
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

envid: S113099192
Year: 2002
GEPAID: CAL000189345
Contact: DENNIS SMITH O & E SPECIALIST
Telephone: 5595833398
Mailing Name: Not reported
Mailing Address: 685 W THIRD ST
Mailing City,St,Zip: HANFORD, CA 932305016
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 1.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Placer

TRANSAM NORTH TAHOE MOBIL (Continued) **S113099192**

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

D35 **ANGELOS PHILLIPS 66 SERVICE** **EDR Hist Auto** **1020446834**
ESE **8070 NO LAKE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA 95719**
0.005 mi.
24 ft. **Site 3 of 10 in cluster D**

Relative: EDR Hist Auto
Lower

Actual:
6241 ft.

Year:	Name:	Type:
1969	ANGELOS PHILLIPS 66 SERVICE	Gasoline Service Stations
1970	ANGELOS PHILLIPS 66 SERVICE	Gasoline Service Stations
1971	ANGELOS PHILLIPS 66 SERVICE	Gasoline Service Stations
1972	ANGELOS PHILLIPS 66 SERVICE	Gasoline Service Stations
1973	ANGELOS PHILLIPS 66 SERVICE	Gasoline Service Stations
1995	ULTRAMAR INC	Gasoline Service Stations
1996	ULTRAMAR INC	Gasoline Service Stations
1999	ULTRAMAR INC	Gasoline Service Stations
2000	ULTRAMAR INC	Gasoline Service Stations
2001	ULTRAMAR INC	Gasoline Service Stations
2002	ULTRAMAR INC	Gasoline Service Stations
2003	ULTRAMAR INC	Gasoline Service Stations
2004	ULTRAMAR INC	Gasoline Service Stations
2005	ULTRAMAR INC	Gasoline Service Stations, NEC
2006	ULTRAMAR INC	Gasoline Service Stations, NEC
2007	ULTRAMAR INC	Gasoline Service Stations, NEC
2008	ULTRAMAR INC	Gasoline Service Stations, NEC
2009	ULTRAMAR INC	Gasoline Service Stations, NEC
2010	SINGH SARABJIT	Gasoline Service Stations, NEC
2010	ULTRAMAR INC	Gasoline Service Stations, NEC
2011	ULTRAMAR INC	Gasoline Service Stations, NEC
2011	SINGH SARABJIT	Gasoline Service Stations, NEC
2012	ULTRAMAR INC	Gasoline Service Stations, NEC
2013	ULTRAMAR INC	Gasoline Service Stations, NEC

D36 **NORTH TAHOE STATION** **UST** **U004050963**
ESE **8070 N LAKE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA 96143**
0.005 mi.
24 ft. **Site 4 of 10 in cluster D**

Relative: UST:
Lower

Actual:
6241 ft.

Facility ID:	FA0000238
Permitting Agency:	PLACER COUNTY
Latitude:	39.238923
Longitude:	-120.028711

Facility ID:	FA0008426
Permitting Agency:	Placer County Environmental Health
Latitude:	Not reported
Longitude:	Not reported

D37
ESE
< 1/8
0.005 mi.
24 ft.

Relative:
Lower

Actual:
6241 ft.

BEACON 3601
8070 NORTH LAKE BLVD.
KINGS BEACH, CA

Site 5 of 10 in cluster D

LUST **S105180905**
N/A

LUST REG 6L:
Region: 6L
Case Number: 6T0 010 A
Active OR Closed Site: Active
Date Closed: Not reported
Type Of Site: UST

D38
ESE
< 1/8
0.005 mi.
24 ft.

Relative:
Lower

Actual:
6241 ft.

NORTH TAHOE STATION
8070 N LAKE BLVD
KINGS BEACH, CA 96143

Site 6 of 10 in cluster D

CERS HAZ WASTE **S103952148**
SWEEPS UST **N/A**
CERS TANKS
ENF
CA PLACER CO. MS
CERS

CERS HAZ WASTE:
Site ID: 138792
CERS ID: 10205815
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-11-2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 04/28/2014. Only paperwork observed is the current UST permit. Must provide all UST unidoc forms on site by 4/21/2014 or enforcement action may occur.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-03-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 04/24/2015. Sump and piping secondary containment testing failed due to leaking boots and improperly sealed electrical boxes. Correct and call this office to set up a re-inspection. Note: if electrical boxes need to be replaced, a repair permit must be obtained through this office prior to any work done. Correct by 4/17/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

NORTH TAHOE STATION (Continued) **S103952148**

Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/17/2016. Observed a full 55 gallon drum and another 55 gallon drum about 1/4 full on site with no start accumulation date. Once facility reaches 27 gallons of hazardous waste, facility must document the start accumulation date on all hazardous waste containers and have the wastes removed within 90 days from the start accumulation date. Correct by 2/16/2016. Note: wastes must be removed by a certified hazardous waste transporter within 90 days from the date the facility generated 27 gallons.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/03/2017. Provide accumulation start dates on all containers holding hazardous wastes once the overall waste amount reaches 27 gallons. Observed a red 55 gallon drum half full as well as a green 55 gallon drum with roughly 10-15 gallons of waste at the time of the inspection and no accumulation start dates on either drum. Correct by 4/14/17.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 03/04/2016. Observed water in all three spill buckets at the time of the inspection. Be sure spill buckets are cleared of liquid immediately.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter

NORTH TAHOE STATION (Continued) **S103952148**

16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 04/28/2014. Only observed UST permit being maintained on site at the time of the inspection. No unidoc forms were observed on site. Be sure to maintain tank and monitoring forms (unidoc forms) on site at all times.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-17-2015
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes: Returned to compliance on 04/24/2015. Repair permits were still not observed on site. This violation was noted on inspection report dated 3/12/2015. Correct by 4/24/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 03/13/2018. All sump sensors were observed at a 45* angle at the start of the inspection. Sensors were intalled at 90* at the end of the inspection. Be sure sensors are straight up and down for proper function. Corrected at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-23-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 04/23/2014. 1) Jargoop Singh, facility manager, came into the office to obtain copies of the facility paperwork from the County file. Verified paperwork was being maintained on site via a site visit on 4/21/2014. 2) Facility was given until 4/21/2014 to get hazardous material/UST information

NORTH TAHOE STATION (Continued) **S103952148**

submitted into the California Environmental Reporting System (CERS). As of 4/21/2014, nothing had been submitted into CERS. Jargoop Singh came by on 4/23/2014 and received help submitting entry into CERS. CERS submittal was approved by the enforcement agency on 4/23/204. Since facility did not submit information into CERS on or before 4/21/2014, a reinspection fee of $343.00 shall apply.

Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-17-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 04/24/2015. 1) Premium grade product piping boot leaking at the time of re-inspection. Randy Johnson resealed boot, however due to wet seal product piping lines and 91 sump were not able to be tested at the time of the inspection. Testing of the 91 product line and sump will be conducted on 4-22-2015. 2) Diesel turbine sump was leaking under the boot at the time of testing. Randy to seal lower sump wall and retest. Testing will be conducted on 4-22-2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-23-2014
Citation: 23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes: Returned to compliance on 03/12/2015. Facility submitted an incomplete Designator Operator compliance statement to this office on 4/23/2014. Provide completed statement, including expiration date and a copy of Cory Johnson's ICC card, to this office by Monday, 4/28/2014.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-03-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 04/24/2015. Secondary containment testing is still not complete due leaking boots and unsealed electrical boxes.

NORTH TAHOE STATION (Continued) **S103952148**

Must correct by April 17, 2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(d)
Violation Description: Failure to notify the owner or operator of any condition discovered during the monthly visual inspection that may require follow-up actions.
Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 03/04/2016. Sensor in 87 turbine sump was located on it's side in the highest point of the sump floor. All sensors must be maintained in a vertical position and located in the lowest point of the sump floor, near the product piping.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description: Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes: Fire extinguisher last serviced on 11/6/2013. Fire extinguishers are required to be serviced annually. Correct.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms

NORTH TAHOE STATION (Continued) **S103952148**

	are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 03/29/2018. 1) Did not observed February 2018 DO report on site. 2) Observed incomplete DO reports. November 2017: missing second page and alarm tape, December 2017 and September 2017: missing alarm tapes. Be sure all reports are kept at facility for 1 year and are complete.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 04/21/2016. DO paperwork on site is no longer valid due to employee no longer working for testing company. Obtain a new DO and submit proper paperwork to CERS by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 04/21/2016. Observed corrosion in the 91 and 87 sumps, especially on the piping. Clean by 4/24/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and

NORTH TAHOE STATION (Continued) **S103952148**

maintenance has been completed and documented.

Violation Notes: Returned to compliance on 04/21/2016. Did not observe a DO report for Feb (the DO report done in Feb was 10 days after the January report and does not meet the 30 day DO report requirements) or a DO report for March. Correct by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: HSC 6.5 25123.3(c)25123.3(h)(1)(C) - California Health and Safety Code, Chapter 6.5 , Section(s) 25123.3(c)25123.3(h)(1)(C)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes: Returned to compliance on 03/13/2018. Wastes were stored on site for 9 months after the start accumulation date prior to being transported by AES. Be sure all wastes are removed within 180 days once 27 gallons of total waste accumulation has been produced. Note: Facility reached 27 gallons of waste at the time of the inspection. All wastes must be transported off site by a Certified Waste Hauler no later than 9/13/2018.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of

NORTH TAHOE STATION (Continued) **S103952148**

operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: 1) Update MLLD on Monitoring Plan to reflect equipment installed. Current plan shows LD-2000 when an FE Petro is what is installed. This is a repeat violation noted on inspection report dated 3/15/2017 and reinspection reports dated 11/6/2017, and 12/28/2017. Correct in CERS no later than 4/12/2018. 2) Facility Information page: facility currently has self-insured listed as the Financial Responsibility Mechinism. Per past submittals, facility was using the State Fund and CFO Letter. Either provide self-insurance information or change to State Fund and CFO letter and provide current documentation in CERS. 3) Last CERS submittal has the 2-89 tank listed instead of the 2-Diesel. Update and resubmit Tank ID 2-Diesel information in CERS. 4) BOE number in CERS is invalid. Update BOE number to correct number, 44048966. 5) Monitoring Plans for all tanks: Remove ATG from Tank Moniroting Sections. 6) Monitoring Plans for all tanks: UDC Monitoring: Bravo box is not connected to [Truncated]
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 04/01/2015. Chief Financial Responsibility Letter on file and at site signed 3/22/2013. Submit at current letter to this office.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/05/2018. Last CERS submittal was completed on 3/6/2017. Hazardous Material Business Plan must be

NORTH TAHOE STATION (Continued) **S103952148**

resubmitted every 365 days if there have been no changes. Correct by 4/12/2018. Note: all sections of the Business Plan must be submitted.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-04-2016
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Returned to compliance on 03/04/2016. 91 annular sensor was approximately 1 foot from the bottom of the tank. When sensor was placed in the proper location sensor alarmed. Both the 87 and Diesel turbine sump sensors were on the wrong side of the sump. Sensors must be located at the lowest point in the sump on the product piping side. All sensors were placed in the proper location at the time of the inspection. Raised sensors, misplaced sensors, and bypassing sensors on the monitoring panel are considered tampering with the monitoring system. Note: all annular and sump sensors are programed for positive shutdown and were verified at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-28-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 09/05/2018. Inspection dated 3/15/17 and reinspection dated 11/6/17 required the Designated Operator information to be updated in CERS. Reinspection report from 11/6/2017 required facility to update the DO information no later than 12/6/17 or a reinspection fee shall apply. At this time CERS has not been updated and facility will be receiving a reinspection fee. If CERS is not updated to reflect current DO information by 1/27/2018, this office will be conducting another reinspection at that time and an additional reinspection fee shall apply.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 03/13/2018. Current employees were not properly trained by the owner/operator as to waste handing requirements. Employee was informed of CESQWG requirements by the CUPA

NORTH TAHOE STATION (Continued) **S103952148**

during a reinspection. Be sure all employees are properly trained on the requirements if they are going to be handling hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.
Violation Notes: Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground. Discontinue practice immediately.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)

NORTH TAHOE STATION (Continued) **S103952148**

Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	Provide product lines on site map.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. Facility employees have not been trained. Correct immediately, no later than 1/3/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 04/03/2015. List of trained employees has not been updated since 12/2013. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description:	Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes:	Returned to compliance on 03/12/2015. Did not observe a tag on the diesel sump sensor at the beginning of the inspection. Complied at the time of inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-17-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 04/24/2015. All turbine sumps have large amounts of dirt and debris on the bottom. This violation was noted in inspection report dated 3/12/2015 and was required to be corrected by 4/12/2015. Clean sumps immediately.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-17-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 04/24/2015. 1) Premium grade product piping boot leaking at the time of re-inspection. Randy Johnson resealed boot, however due to wet seal product piping lines and 91 sump were not able to be tested at the time of the inspection. Testing of the 91 product line and sump will be conducted on 4-22-2015. 2) Diesel turbine sump was leaking under the boot at the time of testing. Randy to seal lower sump wall and retest. Testing will be conducted on 4-22-2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 03/17/2016. Approximately 25 gallons was removed from the 91 annular space on 3/11/16. Sensor went back into alarm on 3/12/16. Correct problem by 3/28/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 03/04/2016. Observed liquid in all three spill buckets at the time of the inspection. Spill buckets must be able to maintain a minimum of 5 gallons of product in case of an overfill. Correct by 2/16/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014

NORTH TAHOE STATION (Continued) **S103952148**

Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 04/28/2014. Reinspection to verify violation correction. Per the CA DTSC waste tracking website, facility has not submitted for either a new EPA ID number or to reactivate the old EPA ID number and no paperwork for renewal was observed at the facility. Must send paperwork to EPA and show proof of EPA Tracking Number request by 4/21/2014 or enforcement actions may occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 03/13/2018. Diesel spill bucket failed at the start of the inspection. A new cap was installed, bucket retested, and passed at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 03/15/2017. 87 Turbine sump sensor L4 was activated on 3/14/2017. Water was removed from the sump but facility could not clear the alarm. Sensor was still in alarm at the start of the inspection and turbine was off. It was determined that water in the junction box was causing the alarm. Water was removed and sensor was working properly by the end of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Notes:	Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Facility employees have not been trained. Correct immediately, no later than 1/3/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014
Citation:	22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description:	Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 04/28/2014. Facility has not submitted for either a new EPA ID number or to reactivate the old EPA ID number and no paperwork for renewal was observed at the facility. Must send paperwork to EPA and show proof of EPA Tracking Number request by 4/21/2014 or enforcement actions may occur. Note: no waste has been transported since routine inspection conducted on 3/6/2014.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 06/07/2018. Routine inspection report dated 3/15/17 required sump lids to be replaced so as they do not leak. A contractor has been in contact with this office regarding replacing the top of the sumps and spill buckets but as of 11/6/17 work plan and payment have not been submitted to this office. Correct by 12/6/17 or a reinspection fee shall apply.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Monitoring plan shows MLLD for the 87 product as an LD-2000. Change monitoring plan to reflect the MLLD installed, which is a FE Petro, by 4/14/17.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014
Citation:	23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes:	Returned to compliance on 03/12/2015. No paperwork has been received by this office or on site with current Designated Operator information. As per the DO reports, facility is using Corey Johnson as it's Designated Operator. Must provide current Designated Operator paperwork by 4/21/2014.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description:	Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
Violation Notes:	Returned to compliance on 03/17/2016. No spill kit available at the time of the inspection. Provide spill kit by 3/21/16.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes:	Returned to compliance on 03/13/2018. 2017 Monitoring Certification was conducted on 3/15/2017. A copy of the Monitoring Certification was not received by the CUPA until 7/26/2017. Be sure a copy of the Monitoring Certification is submitted to the CUPA within 30 days from the date of the Cert.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Description:	Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	1) February 2018 Designated Operator report was not available at the time of the inspection. Provide at facility by 4/12/2018. 2) Employee Training must include hire date of employees.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Hazardous waste drum had a lid loosely placed on drum at the start of the inspection. Be sure drum lid is closed and secured at all times. Drum lid is missing a plug. Correct to properly secure contents in drum.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes:	Returned to compliance on 04/21/2016. Did not observe a DO report for Feb (the DO report done in Feb was 10 days after the January report and does not meet the 30 day DO report requirements) or a DO report for March. Correct by 4/24/16. None of the current employees have been trained by the DO. Conduct training and maintain records on site. Comply by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Inspection report dated

NORTH TAHOE STATION (Continued) **S103952148**

3/15/2017 required a current Owner Statements of Desiganted Underground Stroage Tank Operator page to be updated in CERS. This violation has not been complied with. Correct no later than 4/12/2018. This is a repeat violation. Note: Observed updated form maintained on site. Must submit to CERS.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 07-27-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Not reported
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 03/25/2016. 91 spill bucket failed at the start of the inspection due to a leaking lid. Lid was replaced and bucket was retested and passed. Complied on site.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes: Returned to compliance on 04/21/2016. Designated Operator listed for facility has not been with the company since mid-February. Obtain a new DO and submit proper paperwork to CERS by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 11-06-2017
Citation: HSC 6.5 25123.3(c)25123.3(h)(1)(C) - California Health and Safety Code, Chapter 6.5 , Section(s) 25123.3(c)25123.3(h)(1)(C)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or

NORTH TAHOE STATION (Continued) **S103952148**

	disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 12/06/2017. During routine inspection dated 3/15/2017, 3 drums were observed containing hazardous wastes without start accumulation dates written on them. Facility was given until 6/15/2017 to have all wastes removed from facility by a certified waste hauler. All three drums are still awaiting removal as of 11/6/2017. Per Gary, he reactivated the EPA ID but has not called a waste hauler to have wastes removed since the EPA ID was reactivated. Facility must have wastes removed by a certified waste hauler and provide a copy of the manifest to this office no later than 12/6/17 or reinspection fees shall apply and facility may be subject to additional enforcement action.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description:	Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes:	Returned to compliance on 03/25/2016. Only tag observed at the start of the inspection was on the diesel sump sensor. All tested equipment was tagged at the end of the inspection. Complied on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 03/13/2018. 1) Only observed October 2017 to current alarm logs. 2) Alarm logs were not complete. Be sure EVERY alarm is documented on the daily alarm logs as well as corrective actions taken.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description: Failure to use a registered hazardous waste hauler to transport hazardous waste.
Violation Notes: Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be

NORTH TAHOE STATION (Continued) **S103952148**

released onto the ground. Discontinue practice immediately.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 03/25/2016. Annual monitoring certification was due by 3/12/2016. Be sure monitoring certification for next year is on or before 3/12/2017.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description: Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes: Returned to compliance on 03/25/2015. Board of Equalization number 44042661 expired 3/31/2009. Obtain a current BOE number within 30 days.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes: Returned to compliance on 04/24/2015. Facility has obtained two repair permits in the last few months, neither of which were observed maintained at the facility at the time of the inspection. Be sure to maintain repair records on site.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-04-2016

NORTH TAHOE STATION (Continued) **S103952148**

Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 03/04/2016. 1) Turbine sensors were located on the wrong side of the turbine for the diesel and 87 sumps at the start of the inspection. Sensors were placed in the proper location at the time of the inspection. 2) 91 annular sensor was approximately one foot from the bottom of the tank. Bottom was determined by using a weighted string. Two feet of wire were added to the sensor at the time of the inspection and annular was retested. 91 annular went into alarm due to water in the annular. Red tag to remain on 91 fill bucket until water is removed and annular is no longer in alarm. Note: Diesel and 87 annular sensors were in the proper location at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes:	Returned to compliance on 12/30/2015. Facility currently does not have a Designated Operator on record. Last Designated Operator was Belshire. Called Belshire at the time of the inspection and was informed that BJ Manning with CMSI called and canceled the service on 10-27-2015. Correct by 12-18-15. Load new Designated Operator information into CERS within 30 days from the hiring date of the Designated Operator.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes:	Returned to compliance on 03/04/2016. Per Designated Operator reports,

NORTH TAHOE STATION (Continued) **S103952148**

L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 11-06-2017
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Routine inspection report dated 3/15/17 required the monitoring plan to be updated to show the correct MLLD, FE Petro, by 4/14/2017. As of today, facility has not updated monitoring plan in CERS. Correct no later than 12/6/17 or a reinspection fee shall apply.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 03/13/2018. Dispenser 1/2 Diesel Bravo float failed at the start of the inspection. Float was cleaned, retested and passed at the time of the inspection. Dispenser 3/4 91 Bravo float failed at the start of the inspection. Float was cleaned, retested and passed at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 04/24/2015. Observed large amounts of dirt and debris in the bottom of all turbine sumps. Clean and properly maintain sumps. UDC under dispenser 3/4 failed secondary containment

NORTH TAHOE STATION (Continued) **S103952148**

testing at the start of the inspection. Water was pumped out, tester found a cap that was not securely on. Cap clamp was tightened and UDC retested and passed at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description: Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 03/18/2014. 89 annular sensor wiring has gone bad and was not able to be replaced at the time of the monitoring certification testing, leaving the sensor in alarm. Wiring must be replaced and sensor retested within 7 days of this inspection, March 13, 2014. Provide this office with test results within 30 days from the testing day.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 04/17/2015. All three spill buckets failed at the time of the inspection. 91 product dropped from 9 3/8" to 9 1/2", 87 product dropped from 9 3/4" to 9 1/2", and diesel dropped from 10 1/8" to 9 7/8" at the time of the inspection. Tester to install new caps at retest.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 07-27-2015
Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description: Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes: Not reported
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Last Certificate of Financial Responsibility and Chief Finanacila Officer Letters in CERS expiredd 4/1/2017. CFR and CFO letters are required to be updated annually. Provide in CERS by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes:	2017 Monitoring Certification was not on site. Correct by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Update the site map to show the following: hazardous waste location (moved to the other side of the facility), evacuation route, product lines, spill kit located in side room. Correct by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes:	Returned to compliance on 03/12/2015. Line leak detection failed on the 87 product line at the start of the inspection. Line was adjusted and met requirements of detecting a 3.0 gallon per hour leak at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2015
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 04/24/2015. Facility's current Standard Underground Storage Tank Operating Permit expired on 4/13/2015. Facility is currently operating without a valid permit. A new Standard Operating Permit will not be issued until all violations listed have been corrected. Failure to correct violations may result in red tagging of the tanks and further enforcement action.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description:	Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment.
Violation Notes:	Returned to compliance on 03/12/2015. Bravo float and chain assembly did not spring correctly at the start of the inspection. Floats were cleaned of debris and in working status at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 03/04/2016. Observed water in the bottom of the 87 turbine sump at the time of the inspection. Was not able to access any other sumps to verify the status at the time of the inspection. All water must be removed immediately and maintained as a hazardous waste.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 04/24/2015. SB989 testing was due no later than 12/3/2014. SB989 was partially tested today. Johnson Tank was not able to complete the piping secondary containment testing or the sump secondary containment testing due to hardened boots. Johnson testing to order new boots and contact this office to set up testing date. Secondary containment testing must be completed no later then 3/27/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-17-2018
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Diesel and 91 sump and product piping failed at the time of the inspection due to leaking boots. Replace boots and retest by 5/17/18.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/05/2016. No training records for current employees available at the time of the inspection. All employees must be trained annually and training records maintained on site for a minimum of 3 years. Correct by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-04-2016
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7,

NORTH TAHOE STATION (Continued) **S103952148**

	Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	Returned to compliance on 03/04/2016. 91 annular sensor was approximately 1 foot from the bottom of the tank. When sensor was placed in the proper location sensor alarmed. Both the 87 and Diesel turbine sump sensors were on the wrong side of the sump. Sensors must be located at the lowest point in the sump on the product piping side. All sensors were placed in the proper location at the time of the inspection. Raised sensors, misplaced sensors, and bypassing sensors on the monitoring panel are considered tampering with the monitoring system. Note: all annular and sump sensors are programed for positive shutdown and were verified at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/04/2016. 1) Observed 4 55 gallon drums in side yard. 3 of the 4 drums had labels. Green drum with no label was 1/2 full at the time of the inspection and the red drum had approximately 1 inch of waste in it. Green drum was labeled and a start date of 3/11/16 (date the 20+ gallons was pumped out of the annular space) was placed on drum at the time of inspection. 2) Facility is using a 5 gallon bucket for it's solid waste container. Container is 3/4 full at the time of the inspection. All hazards waste containers must be closed and secured at all times. Provide a lid or a container that can be closed and secured. Provide waste label on solids container. Correct by 3/21/16.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct. Per Randy with Johnson Testing, he had to replace the 87 and 91 product sensors with like sensors on 2/23/2015.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 04/03/2015. List of trained employees has not been updated since 12/2013. Correct.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes: Returned to compliance on 03/18/2015. Designated operator information on file for Ronnie Lewis expired on 1/11/13. Provide this office with current DO information.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 04/24/2015. Facility did not have a copy of the Standard Underground Storage Tank Operating Permit available on site at the time of the inspection. Correct.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 03/15/2017. Observed some water at the bottom of all sumps. Sump lids are in very poor condition and manhole

NORTH TAHOE STATION (Continued) **S103952148**

enrty rings are cracked and broken, allowing water to easily enter the sumps. Observed numerous alarms due to water in the sumps. Correct so sumps do not take on water every time there is a storm event.

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 04/03/2015. DO monthly inspection forms had tapes attached to them from months after the monthly report was completed. DO monthly inspections must be done monthly, including pulling the alarm log at the time of the inspection and attaching that to the report.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-28-2017
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Inspection dated 3/15/17 and reinspection dated 11/6/17 required the MLLD information to be updated in CERS. Reinspection report from 11/6/2017 required facility to update MLLD on the tank monitoring plan no later than 12/6/17 or a reinspection fee shall apply. At this time CERS has not been updated and facility will be receiving a reinspection fee. If CERS is not updated to reflect correct monitoring equipment by 1/27/2018, this office will be conducting another reinspection at that time and an additional reinspection fee shall apply.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated

NORTH TAHOE STATION (Continued) **S103952148**

	Operator certification.
Violation Notes:	Returned to compliance on 12/30/2015. Facility currently does not have a Designated Operator on record. Last Designated Operator was Belshire. Called Belshire at the time of the inspection and was informed that BJ Manning with CMSI called and canceled the service on 10-27-2015. Correct by 12-18-15. Load new Designated Operator information into CERS within 30 days from the hiring date of the Designated Operator.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.5 25187.6 - California Health and Safety Code, Chapter 6.5, Section(s) 25187.6
Violation Description:	No person shall remove, transfer, or dispose of the hazardous waste until permission for removal, transfer, or disposal is given by an authorized agent.
Violation Notes:	Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground with documentation. Discontinue practice immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Routine inspection report dated 3/15/17 noted facility had changed Designated Operators and did not update the Designated Operator information in CERS as required. In looking over the Designated Operator reports on 11/6/17, facility has changed Designated Operators again without making the changes in CERS. Facility must submit a new Owner Statement of Designated Operator form in CERS by 12/6/17 or reinspection fees shall apply. Note: form was left with employee at the time of the reinspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION

NORTH TAHOE STATION (Continued) **S103952148**

Violation Date:	02-09-2016
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes:	Returned to compliance on 03/17/2016. Facility is not currently maintaining alarm logs. This requirement was discussed with Melanie on 12/4/2015. Correct by 2/16/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 10/20/2017. Facility's EPA ID# CAL000396266 went into inactive status on 6/30/2016. Facility must have an active EPA ID number for wastes to be hauled by a third party waste hauler. Reactivate ID by 4/14/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Observed waste water drum on side of building with improper labeling (non-hazardous waste). Properly label drum with hazardous waste, contents, facility information, EPA ID number, start accumulation date, etc. Correct within 30 days. As of today, hazardous wastes on site has reached over 27 gallons. Be sure to put start accumulation date of 3/12/2015 on drum and have contents removed by a waste hauler within 90 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-06-2014
Citation:	22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description:	Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 04/28/2014. Wrong EPA ID number was used on

NORTH TAHOE STATION (Continued) **S103952148**

last manifest. Correct.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 04/05/2016. None of the current employees have been trained by the DO. Conduct training and maintain records on site. Comply by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-28-2017
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 06/07/2018. As documented on inspection report dated 3/15/17 and reinspection report dated, 11/6/17; sump lids were required to be replaced due to their poor condition. This office received the work plan and payment for replacement of sump lids as well as spill buckets, however work will not be completed until spring 2018 per contractor Mike Gerondakis due to TRPA permitting. Work must be completed no later than 5/31/2018.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-17-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Returned to compliance on 08/08/2016. Facility has been keeping daily alarm logs, however, facility has not been documenting all alarms. l1:87 annular went into alarm on 3/5/16 and 3/6/16 and was not noted on the alarm log. Any and all L sensors must be documented on the alarm log.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

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Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 04/05/2016. Per employee, has not been trained on how to properly handle waste, how to label containers, how to call, etc. Be sure to go over waste generation procedures with all employees when they are hired. Correct by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 03/27/2015. Current facility site map is vague and does not include the required information. Submit a current site map showing the following information: location of tanks and tank products, piping, sumps, monitoring locations, sensor locations, consoles, strom drain locations, etc. Inspector dropped off a corrections list to the facility dated 2/26/2015 requiring site map to be updated and resubmitted to CERS by 3/27/2015. Comply.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Notes:	Returned to compliance on 09/05/2018. Per Designated Operator monthly reports, Designated Operator changed in May of 2016 to Shawn Rodriguez. Whenever there is a change in operation, including the Designated Operator, facility is required to update CERS within 30 days from the date of the change. Provide an updated "Owner Statements Of Designated Underground Storage Tank Operator and Understanding of and Compliance with UST REquirements" form to CERS no later than 4/14/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Only training observed on site was the Designated Operator training for the underground storage tanks. Be sure employees are trained on proper waste handling procedures: what to do if there is a release, how to properly handle hazardous wastes, etc. Document trainings and maintain documentation on site. Correct within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-06-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 04/28/2014. Per last manifest from RDO, facility is using wrong EPA ID #. CAL0000341966 is for a facility located in South Lake Tahoe. Refrain from using this ID number. The number listed on the EPA website for this facility is CAC002593242 but has been inactivated. Reactivate ID # or obtain a new number but discontinue use of wrong number immediately. Provide reactivation or new number confirmation to this office within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	monitoring and sb 989 testing ran over. Returned to the office at 6:12, flexed 6 minutes on 3/13/2015. Was accompanied by Will Speth with the State Water Board - enforcement branch.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Sharman Kumar. Business Plan was last submitted to CERS on 3/6/2017. Business Plan must be submitted every 365 days. Correct by 4/12/2018. Update site map to show actual location of hazardous wastes, product lines, all spill kits, and evacuation routes in CERS by 4/12/2018.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for 91 annular, consented by Sam. Was not able to remove Red Tag due to water still being in the annular and sensor alarming. Facility to pull a permit with this office for any repair work required to get annular space fixed. Verified Red Tag still on the 91 fill pipe. Note: monitoring certification was due by 3/12/16.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Gaurav Singh. Business Plan is reflective of chemicals stored at the facility.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Gaurav Singh. Inspection was conducted in conjunction with annual monitoring certification testing, preformed by Mike Gerondakis. All required certifications observed prior to start of monitoring certification testing. The following must be updated in CERS by 4/1/2016 for compliance: -Certificate of Financial Responsibility -Letter from Chief Financial Officer Employee training is due by 3/31/2017. Provide Owner Statement of Designated Operator to CERS by 4/14/2017. 87 sump sensor was in alarm at the start of the inspection due to water in the junction box. Observed some water at the bottom of all sumps. Sump lids are in very poor condition and manhole rings are cracked and broken, allow water to easily enter the sumps. Observed numerous alarms due to water in the sumps. Correct so sumps do not take on water every time there is a storm event. All sensors, MLLD's, [Truncated]

NORTH TAHOE STATION (Continued) **S103952148**

Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-17-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of facility's 91 annular space, consented by Gaurav. Met with Franzen-Hill technician Russell French on site. Per Russell, he removed approximately 2.5 gallons of water from the interstitial on 3/16/16 and then did a vacuum test to verify the annular space is tight. Russell removed approximately a quart of water from the interstitial on 3/17/16 and verified preformed a second vacuum test for this office to verify. Observed annular hold at 10 psi for 62 minutes. Removed red tag number 2342 at the time of the inspection. Per the inventory report, 91 premium tank has 387 gallons in the tank. Ok to call for a fuel delivery.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-25-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted re-inspection on site, consented by Suriender Kumar, to observed the testing of the SB989 and retesting of the spill buckets: Re-inspection for spill bucket and SB989 testing only. Testing done by Randy Johnson. Replacement pipe boots ordered by Randy do not fit the piping. Randy has ordered new boots and will schedule the SB989 test for turbine sumps and piping sometime next week. Retested the spill buckets with new caps. All three spill buckets do not hold the required five gallons. Spill buckets must be replaced and a repair permit must be obtained from this office. This repair must be completed before 4/12/15 or the UST Operating Permit will not be reissued. Sumps must be cleaned of all dirt and debris. Facility's Standard Underground Storage Tank Operating Permit expires on 4/13/2015. Permit will not be reissued until all violations and repair permits have been corrected/completed.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Richard. Observed most current copy of the Business Plan maintained on site. Employees are not able to access CERS so a paper copy of the plan is required. Next CERS resubmittal is due no later than 12/30/2016. Be sure all employees are trained annually and that training records are maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Eval General Type:	Other/Unknown
Eval Date:	04-11-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	reinspection. violations have not been corrected at this time
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	04-22-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Stopped by facility to see if paperwork was on site and other violations corrected
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	04-24-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection of Underground Storage Tank inspection on site, consented by Corrina Grubb. Observed secondary containment testing for the 91 product piping, 91 turbine sump, and diesel turbine sump with Randy Johnson. All tests passed at the time of the inspection. Sumps have been cleaned of debris. Randy Johnson still to paint inside of sumps and piping to deter rust. Observed repair permits maintained on site. Dispenser 4 gas hose replaced. Facility has complied with all outstanding violations. A new Standard Underground Storage Tank Operating Permit will be issued.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspection for change in facility operator only. Annual routine Hazardous Material Business Plan inspection was conducted in April, 2015. Facility operator changed on 10/30/2015 from CMSI to Tahoe Station Inc. Stopped by facility and discussed the need to update all contact information in CERS and the Designated Operator on 11/3/2015. Facility has not updated CERS within to 30 days of changes to personnel/operations as regulations require. Correct by 1/3/2016 or enforcement action shall occur.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	12-28-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection for open violations noted on routine inspection

NORTH TAHOE STATION (Continued) **S103952148**

report dated 3/15/17 and reinspection report dated 11/6/2017: 1) Per Mike Gerondakis, contractor hired to replace sump lids and spill buckets, TRPA will not issue a permit until spring. This office has received a work plan and permit fees. All work must be completed no later than 5/31/2018. Be sure all alarms are properly documented on the daily alarm log, in the Designated Operator monthly reports, and water is promptly pumped out of sumps, stored in properly labeled and secured drums, and removed in the required time frame. 2) Designated Operator information has not been updated in CERS as required and noted in both the routine inspection conducted on 3/15/17 and the reinspection conducted on 11/6/17. A reinspection fee will be applied to this inspection. Updated Designated Operator information in CERS no later than 1/27/18. 3) Monitoring Plan has not been updated in CERS to reflect equipment [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted a reinspection on site, consented by Melanie Payne, in response to a citizen's complaint of facility pumping waste water onto ground that flows directly into a storm drain. Per investigation, determined that facility did not have the amount of waste water stored on site that was documented to have accumulated in the Designated Operator's reports from December 2015 - February 2016. No start accumulation dates were observed on the hazardous waste containers at the time of the inspection. Discontinue unauthorized releases of hazardous waste immediately. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan on site, consented by Joe. Did not observe all required paperwork for the Hazardous Material Business Plan being maintained on site, correct. Facility must submit HMBP and UST information into CERS within 30 days of this inspection report. Please log onto the CERS website and submit your facility information at www.cers.calepa.ca.gov/business. The CERS's ID for this facility is 10205815. Please contact this office at 530.581.6249 to set up an appointment to get the submittal into CERS if need be.

Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2014
Violations Found: Yes

NORTH TAHOE STATION (Continued) **S103952148**

Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Joe. Observed one drum with label and a small amount of waste water from sumps at the time of the inspection. Observed floor sweep/clean up material. Be sure to obtain an active EPA ID number specific to this site. Submit all hazardous material information into the CERS system.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Suriender Kumar. Monitoring certification and partial SB 989 testing done by Johnson Testing. Per Raman Singh, owner is contracting with a new Designated Operator starting on 3/13/2015. Be sure to update DO information to CERS within 30 days of the change, no later then 4/30/2015. Note: a DO form was left at the facility at the time of the inspection. Change mid grade product ring to diesel product identification ring in fill port. Change the chemical inventory in CERS to reflect diesel fuel. Observed DO current certifications maintained at facility.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Sharman Kumar. All noted violation must be corrected no later than 4/12/2018. On site to witness Monitoring Certification testing, conducted by Mike Gerondakis. Observed the testing of all annulars, MLLDs, Bravo Boxes, spill buckets, and sump sensors. Observed all tested equipment stickered and placed in the proper location at the end of testing. SB989 testing to occur on March 20, 2018. Be sure to provide a copy of the Monitoring Certification to this office no later than 4/12/2018. Note: DO, CFO, and CFR forms were left at the facility at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of facility Conditionally Exempt Small Quantity Waste Generation on site on 3/14/2016, consented by Sam. Observed waste manifest from 3/9/16 from RDO. Observed 1 55 gallon drum and waste solids container unlabeled at the time of the inspection. Observed solid waste container without a lid. All waste containers must be closed and secured at all times. Observed a sheen on the

NORTH TAHOE STATION (Continued) **S103952148**

ground by the green dru. Clean and place waste in solids container. Correct violations by 3/21/2016.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-17-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted re-inspection on site to observed replacement of all three spill buckets, diesel tank conversion repair work, and SB989 testing for all product piping and turbine sumps, consented by Sahil Singh. Observed replacement and retest of all three spill buckets. All buckets passed at the time of inspection. Provide this office with a copy of the monitoring certification within 30 days of this inspection report. Hose for gas on dispenser 4 has not been replaced. Correct by 4/24/2015. Observed the capping of the vapor piping for the middle tank, completely the conversion from mid-grade to diesel. Diesel fuel may now be administered by the facility. Mike Gerondakis is to provide this office with piping schematics for tanks within 30 days of this report. Debris has not been removed from sumps. Correct. Secondary product piping lines were not able to be tested on 91 tank. Retest is scheduled for 4/22/2015. Turbine sump for 91 product tank was not able to be [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection for violations noted on inspection reports dated 3/12/2015 and 7/27/2015, consented by Brandi Dalton. All violations have been corrected. Observed waste manifests from 8/5/2015. Wastes were transported by Belshire. Observed new waste drums with secure lids and proper labeling. Note: no wastes were in the drums at the time of the inspection. Hazardous waste handling and training is being done during the designated operator training and records maintained on site. As noted on inspection report from 7/27/15, fire extinguisher was serviced in October 2014. Be sure to get extinguishers service annually.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted a reinspection of facility's Underground Storage Tank system on site, consented by Melanie Payne. Observed VeederRoot alarming for the Diesel Annular and 87 turbine sump at the time of the inspection. All turbines were operating at the time of the inspection even though the sensors were in alarm. Per Melanie, alarm has been going off for a long time. Facility is not maintaining alarm logs. Observed water in

NORTH TAHOE STATION (Continued) **S103952148**

all spill buckets and in 87 sump at the time of the inspection. Was not able to gain access to the diesel or 91 product sumps to verify that they were free of liquid and sensor location. Facility is out of compliance with numerous class 1 violations and may result in further enforcement action and reg tagging of facility's underground storage tanks.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual UST inspection on site, consented by Joe. Inspection was conducted during annual monitoring certification testing, done by Randy Johnson. Observed required technician certifications. 89 annular sensor wiring must be replaced and sensor retested within 7 days from this inspection. 87 sump sensor failed at the start of the testing. Sensor was changed out and retested, passed. Be sure to maintain all required paperwork on site. Submit all facility information into the CERS system within 30 days.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Suriender Kumar. Be sure to properly label hazardous waste containers at all times. Be sure to properly close and secure waste containers at all times. Train all employees on how to handle hazardous wastes and maintain records at facility.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Gaurav Singh. EPA ID number has been inactivated. Correct. Once facility reached 27 gallons of total waste a start accumulation date must be posted on the container labels. Be sure this gets completed and wastes are removed by a certified waste hauler before 6/15/2017. All containers were closed and secured at the time of the inspection. Observed waste manifests being maintained on site for 3+ years. Some waste container labels are faded so as they are barely visible. Replace or darken.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown

NORTH TAHOE STATION (Continued) **S103952148**

Eval Date:	04-11-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection for UST violations from 3/3/2014, consented by Suriender Kumar. Spoke with Randy Johnson (Johnson Testing Company) on 3/18/2014. He verbally verified that he fixed the wiring and retested the 89 annular sensor. Inspector informed Mr. Johnson that this office must be notified of any work done and witness retesting. Relieved incomplete monitoring certification results from Mr. Johnson. He is to correct and provide a complete copy to this office by May 10, 2014 for compliance. No Unidoc forms observed at the time of the reinspection. Must maintain paperwork on site by 4/21/2014 or enforcement action may occur. Designated Operator paperwork on site has not been updated as of 4/11/2014 and is still showing Ronnie Lewis. Provide appropriate paperwork/certification copies for Corey Johnson by 4/21/2014. Note: During reinspection, inspector looked through monthly DO reports more throughly. Alarm logs attached to reports are from after the [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	04-17-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site to witness SB989 testing with Mike Gerondakis. For routine annual inspection, see report dated 3/13/18. Both the diesel and 91 product line and turbine sumps failed at the time of the inspection due to leaking boots. Replace boots and retest by 5/17/18. Annular space passed for all three tanks at 6 psi for one hour. UDC containment 1/2 passed. UDC 3/4 failed the Caldwell test initially, however it passed when tested again. Product pipe and sump passed for 87 product tank. Product pipe was tested at 5 psi for one hour, sump tested with Caldwell test for half hour. Product piping was tested to
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspection for change in facility operator only. Annual routine Underground Storage Tank inspection was conducted during the annual monitoring certification in April, 2015. Facility operator changed on 10/30/2015 from CMSI to Tahoe Station Inc. Stopped by facility and discussed the need to update all contact information in CERS and the Designated Operator on 11/3/2015. Upon review of the Designated Operator book, facility does not appear to have a current DO for the site. No DO monthly inspection report available for November. Called Belshire, the last DO on file. Per Nicole Magner with Belshire, BJ Manning of CMSI called and canceled the service on 10/27/2015. Hire a Designated Operator immediately. Designated Operator must train all facility personnel. Note: facility has one existing employee from when CMSI was operating the store. This employee has been trained by Belshire and records are available at the facility. Upload current

NORTH TAHOE STATION (Continued) **S103952148**

	Designated [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-28-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for open violations noted on the routine inspection report conducted on 3/15/2017 and reinspection report conducted on 11/6/2017: This office received a faxed copy of a waste manifest from Asbury Environmental Services for the pickup of four waste water drums on 12/6/2017. At the time of reinspection, employee could not find a copy of the manifest, only the service order from AES. Facility will receive the original manifest back, signed by the Designated Facility within 30 days from the date the wastes were picked up. Be sure to keep the Designated Facility signed copy for a minimum of 3 years. If facility does not received the manifest signed by the Designated Facility back within 45 days (and the Designated Facility must have signed the form within 30 days of waste pickup), facility must provide a report to DTSC. Verified drums have been removed from facility by as required in reinspection report dated 11/6/2017. Observed two empty 55 gallon drums [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	reinspection to verify DO reports are being done. Pictures taken of Dec and Jan DO reports. Reports state employees have been trained but no training records on file due to DO not having required paperwork at the time of the training (he did not know he was going to be the DO until on site).
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-04-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	witnessed monitoring cert for all sump and annular sensors, pulled red tags, comments in ec, sent update to Will Speth
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-04-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection on site to remove Reg Tags, consented by Raman. 91 annular was observed approximately 1’ above the bottom of the

NORTH TAHOE STATION (Continued) **S103952148**

annular space. When sensor was placed in the proper location it went into alarm due to water in the annular. Red Tag was not removed at the time of the inspection. Once water has been removed and sensor is no longer alarming, facility may call this office to set up another reinspection to verify compliance before the Red Tag can be removed. Turbine sump sensors for the 87 and diesel sumps were not in the proper location at the start of the inspection. Sensor location was corrected at the time of the inspection. All annular and turbine sump sensors were working and programed for positive shut down at the time of the reinspection. Red Tag number 0343 on the 87 fill line was removed by Placer County Environmental Health Specialist Molly Murphy at the time of the inspection. Observed alarm logs on site. Facility started [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Sharman Kumar. Be sure all employees that handle hazards wastes are trained on proper disposal, labeling, etc. Be sure wastes are hauled within 180 days from the start accumulation date (27 gallons of waste). Observed wastes manifests maintained on site for 3+ years.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generation inspection on site, consented by Richard. Observed all waste containers properly closed and labeled. Waste has a start accumulation date of 3/11/2016. Be sure all wastes, solid and liquid, are removed from the facility by a certified waste hauler within 90 days of the start accumulation date. Observed spill kit available. Observed waste manifests from the last three years maintained on site.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Richard. Next routine inspection is due no later than 3/12/2017. Monitoring Certification done by Johnson Testing. Observed all sensors and line leak detector pass at the time of the inspection. Observed all spill buckets pass by the end of the inspection. 91 spill bucket originally failed due to leaking lid. Lid was replaced at the time of the inspection, bucket re-tested and passed. Middle Bravo

NORTH TAHOE STATION (Continued) **S103952148**

float in UDC 1/2 stuck due to debris but passed once cleared. Observed all sensors, line leak detectors, and bravo floats tagged with technician's initials and todays date. All sumps and spill buckets were free of liquid and debris. 91 and 87 sumps have corrosion around the piping. Clean by 4/24/2016. Facility needs to submit the following paperwork into CERS by 4/24/16 for compliance: Owner Statement of Designated UST Operator Certificate of Financial Responsibility [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-03-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: On site to conduct re-inspection of secondary containment testing only for the sumps and the product line. Consented by Suriender Kumar. New boots were installed on the product line secondary containment pipes. All three boots leaked at the time of the inspection. Randy Johnson to reset boots. All three product sumps failed secondary containment testing at the time of inspection due to improperly sealed electrical boxes. Water was flowing from the 91 product sump to the other two sumps. Corrections and retesting due by April 17, 2015. If electrical boxes need to be replaced, facility must obtain a repair permit from this office prior to any work being done. Note: Observed Designated Operator employee training records maintained on site. All employees were trained on 3/17/2015. Audible and visual alarm verified at the time of the re-inspection.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-11-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection of Conditionally Exempt Small Quantity Generator, consented by Suriender Kumar. Per the California Department of Toxic Substances Control website, facility has not either reactived old EPA ID number or requested a new number. Correct by 4/21/2014. Be sure to put current EPA ID number on all waste manifests from now on as the tracking number must be site specific.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-23-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection on 4/21/2014, consented by Suriender Kumar. Observed Unidoc paperwork on site at the time of the reinspection. Facility submitted required paperwork into the California Environmental Reporting System on 4/23/2014. During reinspection went through Designated Operator binder. As of 4/21/2014, no monthly reports for March 2014 or April 2014 have been completed and filed in

NORTH TAHOE STATION (Continued) **S103952148**

	binder. Have not received completed Designated Operator certification form as of 4/24/2014. A completed form must be submitted to this office by Friday, 5/2/2014. Due to violations not being corrected by 4/21/2014, a reinspection fee of $343 will apply.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-23-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted revisit inspection on 4/21/2014. At the time of reinspection, observed a copy of the Hazardous Material Business Plan maintained on site. No CERS entry had been submitted. Met with Jagroop Singh in the County office on 4/23/2014 to enter and approve the facility information into CERS. Since this information was not submitted on or before 4/21/2014, a reinspection fee of $343 will be billed to the facility. As of 4/23/2014, all Hazardous Material Business Plan violations have been corrected.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-28-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of facility on 4/21/2014 to verify correction of violations cited during routine inspection on 3/6/2014. Consented by Suriender Kumar. Received unsigned application for an EPA ID number on 4/16/2014. Called DTSC on 4/21/2014 to verify they received the application. Per DTSC employee, no application had been submitted. If the application was submitted without a signature it is not processed. Discussed problem with Jagroop Singh during office visit on 4/23/2014. EPA ID application was resubmitted to DTSC and a copy to this office on 4/24/2014. New EPA ID # CAL000396266. Be sure this number is on all waste container labels and is updated into the CERS system.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-06-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Construction inspection for new spill buckets and manhole covers: Observed spill bucket test for 87, 91, and diesel. All buckets hold 5 gallons passed at the time of inspection. Investigated piping on west side of all three tanks. Confirmed piping is a straight drop to the annular space. Current annulars are located at the east end of the tanks and are sloped, making sensor placement a challenge. Mike G to lay conduit out for possible future annular use of the west pipes. Mike G to replace electrical wiring to annulars and sumps. Contact Placer County Building Department for an electrical permit. Provide drawings of conduit layout. OK to concrete in manhole covers.
Eval Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-27-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for violations noted on inspection report dated 3/12/15: None of the violations listed in inspection reported dated 3/12/2015 have been corrected despite this office working with new staff in April to help correct violations. Observed 2 55 gallon drums of waste water. The metal drum is full and has an unsecured lid on the top. The plastic drum is over half full with a secure lid, however, there is a plug missing on on top of the drum. Neither drum is labeled. Fire extinguisher was last served in October 2014. Employees must be trained on response procedures and hazardous waste handling at the time of hire. Facility has 30 days to correct violations or a reinspection fee and further corrective action may apply. Note: Pictures of hazardous waste containers taken at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-06-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection for open violations noted on routine inspection report dated 3/15/17: 1) Routine inspection report dated 3/15/17 required sump lids to be replaced so as they do not leak. A contractor has been in contact with this office regarding replacing the top of the sumps and spill buckets but as of 11/6/17 work plan and payment have not been submitted to this office. Correct by 12/6/17 or a reinspection fee shall apply. 2) Routine inspection report dated 3/15/17 noted facility had changed Designated Operators and did not update the Designated Operator information in CERS as required. In looking over the Designated Operator reports on 11/6/17, facility has changed Designated Operators again without making the changes in CERS. Facility must submit a new Owner Statement of Designated Operator form in CERS by 12/6/17 or reinspection fees shall apply. Note: form was left with employee at the time of the reinspection. 3) Routine inspection report dated 3/15/17 [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-06-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for open violations noted on the routine inspection conducted on 3/15/2017: During routine inspection dated 3/15/2017, 3 drums were observed containing hazardous wastes without start accumulation dates written on them. Facility was given until 6/15/2017 to have all wastes removed from facility by a certified waste hauler. All three drums are still awaiting removal as of 11/6/2017. Per Gary,

NORTH TAHOE STATION (Continued) **S103952148**

he reactivated the EPA ID but has not called a waste hauler to have wastes removed since the EPA ID was reactivated. Facility must have wastes removed by a certified waste hauler and provide a copy of the manifest to this office no later than 12/6/17 or reinspection fees shall apply and facility may be subject to additional enforcement action. Notes: Observed faded labels on all drums. Be sure labels can be clearly read at all times. EPA ID was reactivated on 10/20/2017. Provide this office with a copy of the waste manifest no later than 12/6/2017 or [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Red Tagging all USTs due to SOC and imminent health hazard violations. Regular 87 tank, red tag # 0343. Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, 87 tank had 1083 gallons in it per the inventory report. Pulled Red tag on 3/4/16. Per inventory report, 87 tank had 508 gallons at the time of tag removal.
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Red tagging all USTs on site due to SOC and imminent threat violations. 91 tank, red tag # 2342. Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, 91 tank had 964 gallons in it per the inventory report. Removed Red Tag on 3/14/2016. There was 387 gallons of premium in the tank at the time of red tag removal.
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Red tagging all USTs on site due to SOC and imminent threat violations. Diesel tank, red tag # 0348.Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, the diesel tank had 2011 gallons in it per the inventory report. Pulled Red Tag on 3/4/16. Per inventory report, there was 1842 gallons in the tank at the time of Red Tag removal.
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH

NORTH TAHOE STATION (Continued) **S103952148**

Site Zip: 96143
Enf Action Date: 03-06-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-06-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-12-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-12-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-15-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-17-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-17-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-03-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-17-2015

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Sent NOV, both cert and first class. Cert mail # 70150640000513824837 4/28/17: received NOV back - unable to be delivered. Checked address. EC had wrong address under the owner (PO Box 2780 instead of 2480). Updated in EC and resent letters first class and certified (Cert 70150640000513824844).
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Sent NOV, both cert and first class. Cert mail # 70150640000513824837 4/28/17: received NOV back - unable to be delivered. Checked address. EC had wrong address under the owner (PO Box 2780 instead of 2480). Updated in EC and resent letters first class and certified (Cert 70150640000513824844).
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD

NORTH TAHOE STATION (Continued) **S103952148**

Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 07-27-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-04-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-04-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Raman Singh
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	NORTH TAHOE MOBIL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 2480
Affiliation City:	KINGS BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	jagroop singh
Entity Title:	Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 318-9350
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480

NORTH TAHOE STATION (Continued) **S103952148**

Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Environmental Contact
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	po box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Property Owner
Entity Name:	TAHOE STATION ,INC
Entity Title:	Not reported
Affiliation Address:	2304 LAKE TAHOE BLVD
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96150
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Identification Signer
Entity Name:	raman singh
Entity Title:	MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO BOX 2480
Affiliation City:	KINGS BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Operator

NORTH TAHOE STATION (Continued) **S103952148**

Entity Name:	SINGH, RAMAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 307-0002

SWEEPS UST:

Status:	Active
Comp Number:	43891
Number:	1
Board Of Equalization:	44-000030
Referral Date:	02-13-92
Action Date:	02-13-92
Created Date:	02-29-88
Owner Tank Id:	601-10W
SWRCB Tank Id:	31-000-043891-000001
Tank Status:	A
Capacity:	4000
Active Date:	02-13-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	43891
Number:	1
Board Of Equalization:	44-000030
Referral Date:	02-13-92
Action Date:	02-13-92
Created Date:	02-29-88
Owner Tank Id:	601-20W
SWRCB Tank Id:	31-000-043891-000002
Tank Status:	A
Capacity:	10000
Active Date:	02-13-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	43891
Number:	1
Board Of Equalization:	44-000030
Referral Date:	02-13-92
Action Date:	02-13-92
Created Date:	02-29-88
Owner Tank Id:	601-30W
SWRCB Tank Id:	31-000-043891-000003
Tank Status:	A
Capacity:	10000
Active Date:	02-13-92

NORTH TAHOE STATION (Continued) **S103952148**

Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CERS TANKS:
Site ID: 138792
CERS ID: 10205815
CERS Description: Underground Storage Tank

Violations:
Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-11-2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 04/28/2014. Only paperwork observed is the current UST permit. Must provide all UST unidoc forms on site by 4/21/2014 or enforcement action may occur.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-03-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 04/24/2015. Sump and piping secondary containment testing failed due to leaking boots and improperly sealed electrical boxes. Correct and call this office to set up a re-inspection. Note: if electrical boxes need to be replaced, a repair permit must be obtained through this office prior to any work done. Correct by 4/17/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/17/2016. Observed a full 55 gallon drum and another 55 gallon drum about 1/4 full on site with no start accumulation date. Once facility reaches 27 gallons of hazardous waste, facility must document the start accumulation date on all hazardous waste containers and have the wastes removed within 90 days from the start accumulation date. Correct by 2/16/2016. Note: wastes must be removed by a certified hazardous waste transporter within 90

NORTH TAHOE STATION (Continued) **S103952148**

days from the date the facility generated 27 gallons.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/03/2017. Provide accumulation start dates on all containers holding hazardous wastes once the overall waste amount reaches 27 gallons. Observed a red 55 gallon drum half full as well as a green 55 gallon drum with roughly 10-15 gallons of waste at the time of the inspection and no accumulation start dates on either drum. Correct by 4/14/17.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 03/04/2016. Observed water in all three spill buckets at the time of the inspection. Be sure spill buckets are cleared of liquid immediately.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 04/28/2014. Only observed UST permit being maintained on site at the time of the inspection. No unidoc forms were observed on site. Be sure to maintain tank and monitoring forms (unidoc forms) on site at all times.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION

NORTH TAHOE STATION (Continued) **S103952148**

Violation Date:	04-17-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Returned to compliance on 04/24/2015. Repair permits were still not observed on site. This violation was noted on inspection report dated 3/12/2015. Correct by 4/24/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes:	Returned to compliance on 03/13/2018. All sump sensors were observed at a 45* angle at the start of the inspection. Sensors were intalled at 90* at the end of the inspection. Be sure sensors are straight up and down for proper function. Corrected at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-23-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 04/23/2014. 1) Jargoop Singh, facility manager, came into the office to obtain copies of the facility paperwork from the County file. Verified paperwork was being maintained on site via a site visit on 4/21/2014. 2) Facility was given until 4/21/2014 to get hazardous material/UST information submitted into the California Environmental Reporting System (CERS). As of 4/21/2014, nothing had been submitted into CERS. Jargoop Singh came by on 4/23/2014 and received help submitting entry into CERS. CERS submittal was approved by the enforcement agency on 4/23/204. Since facility did not submit information into CERS on or before 4/21/2014, a reinspection fee of $343.00 shall apply.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION

NORTH TAHOE STATION (Continued) **S103952148**

Violation Date:	04-17-2015
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 04/24/2015. 1) Premium grade product piping boot leaking at the time of re-inspection. Randy Johnson resealed boot, however due to wet seal product piping lines and 91 sump were not able to be tested at the time of the inspection. Testing of the 91 product line and sump will be conducted on 4-22-2015. 2) Diesel turbine sump was leaking under the boot at the time of testing. Randy to seal lower sump wall and retest. Testing will be conducted on 4-22-2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-23-2014
Citation:	23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes:	Returned to compliance on 03/12/2015. Facility submitted an incomplete Designator Operator compliance statement to this office on 4/23/2014. Provide completed statement, including expiration date and a copy of Cory Johnson's ICC card, to this office by Monday, 4/28/2014.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-03-2015
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 04/24/2015. Secondary containment testing is still not complete due leaking boots and unsealed electrical boxes. Must correct by April 17, 2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	23 CCR 16 2715(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(d)
Violation Description:	Failure to notify the owner or operator of any condition discovered during the monthly visual inspection that may require follow-up

NORTH TAHOE STATION (Continued) **S103952148**

	actions.
Violation Notes:	Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Correct immediately, no later than 1/3/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 03/04/2016. Sensor in 87 turbine sump was located on it's side in the highest point of the sump floor. All sensors must be maintained in a vertical position and located in the lowest point of the sump floor, near the product piping.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes:	Fire extinguisher last serviced on 11/6/2013. Fire extinguishers are required to be serviced annually. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 03/29/2018. 1) Did not observed February 2018 DO report on site. 2) Observed incomplete DO reports. November 2017: missing second page and alarm tape, December 2017 and September 2017: missing alarm tapes. Be sure all reports are kept at facility

NORTH TAHOE STATION (Continued) **S103952148**

for 1 year and are complete.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 04/21/2016. DO paperwork on site is no longer valid due to employee no longer working for testing company. Obtain a new DO and submit proper paperwork to CERS by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 04/21/2016. Observed corrosion in the 91 and 87 sumps, especially on the piping. Clean by 4/24/2016.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 04/21/2016. Did not observe a DO report for Feb (the DO report done in Feb was 10 days after the January report and does not meet the 30 day DO report requirements) or a DO report for March. Correct by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015

NORTH TAHOE STATION (Continued) **S103952148**

Citation:	HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description:	Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes:	Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.5 25123.3(c)25123.3(h)(1)(C) - California Health and Safety Code, Chapter 6.5 , Section(s) 25123.3(c)25123.3(h)(1)(C)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 03/13/2018. Wastes were stored on site for 9 months after the start accumulation date prior to being transported by AES. Be sure all wastes are removed within 180 days once 27 gallons of total waste accumulation has been produced. Note: Facility reached 27 gallons of waste at the time of the inspection. All wastes must be transported off site by a Certified Waste Hauler no later than 9/13/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286

NORTH TAHOE STATION (Continued) **S103952148**

Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	1) Update MLLD on Monitoring Plan to reflect equipment installed. Current plan shows LD-2000 when an FE Petro is what is installed. This is a repeat violation noted on inspection report dated 3/15/2017 and reinspection reports dated 11/6/2017, and 12/28/2017. Correct in CERS no later than 4/12/2018. 2) Facility Information page: facility currently has self-insured listed as the Financial Responsibility Mechinism. Per past submittals, facility was using the State Fund and CFO Letter. Either provide self-insurance information or change to State Fund and CFO letter and provide current documentation in CERS. 3) Last CERS submittal has the 2-89 tank listed instead of the 2-Diesel. Update and resubmit Tank ID 2-Diesel information in CERS. 4) BOE number in CERS is invalid. Update BOE number to correct number, 44048966. 5) Monitoring Plans for all tanks: Remove ATG from Tank Moniroting Sections. 6) Monitoring Plans for all tanks: UDC Monitoring: Bravo box is not connected to [Truncated]
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 04/01/2015. Chief Financial Responsibility Letter on file and at site signed 3/22/2013. Submit at current letter to this office.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 09/05/2018. Last CERS submittal was completed on 3/6/2017. Hazardous Material Business Plan must be resubmitted every 365 days if there have been no changes. Correct by 4/12/2018. Note: all sections of the Business Plan must be submitted.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-04-2016
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Notes:	Returned to compliance on 03/04/2016. 91 annular sensor was approximately 1 foot from the bottom of the tank. When sensor was placed in the proper location sensor alarmed. Both the 87 and Diesel turbine sump sensors were on the wrong side of the sump. Sensors must be located at the lowest point in the sump on the product piping side. All sensors were placed in the proper location at the time of the inspection. Raised sensors, misplaced sensors, and bypassing sensors on the monitoring panel are considered tampering with the monitoring system. Note: all annular and sump sensors are programed for positive shutdown and were verified at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-28-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Inspection dated 3/15/17 and reinspection dated 11/6/17 required the Designated Operator information to be updated in CERS. Reinspection report from 11/6/2017 required facility to update the DO information no later than 12/6/17 or a reinspection fee shall apply. At this time CERS has not been updated and facility will be receiving a reinspection fee. If CERS is not updated to reflect current DO information by 1/27/2018, this office will be conducting another reinspection at that time and an additional reinspection fee shall apply.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes:	Returned to compliance on 03/13/2018. Current employees were not properly trained by the owner/operator as to waste handing requirements. Employee was informed of CESQWG requirements by the CUPA during a reinspection. Be sure all employees are properly trained on the requirements if they are going to be handling hazardous wastes.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly

NORTH TAHOE STATION (Continued) **S103952148**

inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.

Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.
Violation Notes: Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground. Discontinue practice immediately.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Provide product lines on site map.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training

NORTH TAHOE STATION (Continued) **S103952148**

to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.

Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. Facility employees have not been trained. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 04/03/2015. List of trained employees has not been updated since 12/2013. Correct.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description: Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes: Returned to compliance on 03/12/2015. Did not observe a tag on the diesel sump sensor at the beginning of the inspection. Complied at the time of inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-17-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 04/24/2015. All turbine sumps have large amounts of dirt and debris on the bottom. This violation was noted in inspection report dated 3/12/2015 and was required to be corrected by 4/12/2015. Clean sumps immediately.
Violation Division: Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-17-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 04/24/2015. 1) Premium grade product piping boot leaking at the time of re-inspection. Randy Johnson resealed boot, however due to wet seal product piping lines and 91 sump were not able to be tested at the time of the inspection. Testing of the 91 product line and sump will be conducted on 4-22-2015. 2) Diesel turbine sump was leaking under the boot at the time of testing. Randy to seal lower sump wall and retest. Testing will be conducted on 4-22-2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description: Failure to submit a current UST Response Plan available on site.
Violation Notes: Not reported
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 03/17/2016. Approximately 25 gallons was removed from the 91 annular space on 3/11/16. Sensor went back into alarm on 3/12/16. Correct problem by 3/28/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 03/04/2016. Observed liquid in all three spill buckets at the time of the inspection. Spill buckets must be able to maintain a minimum of 5 gallons of product in case of an overfill. Correct by 2/16/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 04/28/2014. Reinspection to verify violation correction. Per the CA DTSC waste tracking website, facility has not submitted for either a new EPA ID number or to reactivate the old EPA ID number and no paperwork for renewal was observed at the facility. Must send paperwork to EPA and show proof of EPA Tracking Number request by 4/21/2014 or enforcement actions may occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 03/13/2018. Diesel spill bucket failed at the start of the inspection. A new cap was installed, bucket retested, and passed at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 03/15/2017. 87 Turbine sump sensor L4 was activated on 3/14/2017. Water was removed from the sump but facility could not clear the alarm. Sensor was still in alarm at the start of the inspection and turbine was off. It was determined that water in the junction box was causing the alarm. Water was removed and sensor was working properly by the end of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes:	Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Facility employees have not been trained. Correct immediately, no later than 1/3/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014
Citation:	22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20

NORTH TAHOE STATION (Continued) **S103952148**

Violation Description:	Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 04/28/2014. Facility has not submitted for either a new EPA ID number or to reactivate the old EPA ID number and no paperwork for renewal was observed at the facility. Must send paperwork to EPA and show proof of EPA Tracking Number request by 4/21/2014 or enforcement actions may occur. Note: no waste has been transported since routine inspection conducted on 3/6/2014.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 06/07/2018. Routine inspection report dated 3/15/17 required sump lids to be replaced so as they do not leak. A contractor has been in contact with this office regarding replacing the top of the sumps and spill buckets but as of 11/6/17 work plan and payment have not been submitted to this office. Correct by 12/6/17 or a reinspection fee shall apply.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Monitoring plan shows MLLD for the 87 product as an LD-2000. Change monitoring plan to reflect the MLLD installed, which is a FE Petro, by 4/14/17.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014
Citation:	23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes:	Returned to compliance on 03/12/2015. No paperwork has been received by this office or on site with current Designated Operator information. As per the DO reports, facility is using Corey Johnson as it's Designated Operator. Must provide current Designated Operator paperwork by 4/21/2014.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-17-2016
Citation: 40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description: Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
Violation Notes: Returned to compliance on 03/17/2016. No spill kit available at the time of the inspection. Provide spill kit by 3/21/16.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes: Returned to compliance on 03/13/2018. 2017 Monitoring Certification was conducted on 3/15/2017. A copy of the Monitoring Certification was not received by the CUPA until 7/26/2017. Be sure a copy of the Monitoring Certification is submitted to the CUPA within 30 days from the date of the Cert.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: 1) February 2018 Designated Operator report was not available at the time of the inspection. Provide at facility by 4/12/2018. 2) Employee Training must include hire date of employees.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Hazardous waste drum had a lid loosely placed on drum at the start of the inspection. Be sure drum lid is closed and secured at all times. Drum lid is missing a plug. Correct to properly secure contents in drum.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes:	Returned to compliance on 04/21/2016. Did not observe a DO report for Feb (the DO report done in Feb was 10 days after the January report and does not meet the 30 day DO report requirements) or a DO report for March. Correct by 4/24/16. None of the current employees have been trained by the DO. Conduct training and maintain records on site. Comply by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Inspection report dated 3/15/2017 required a current Owner Statements of Desiganted Underground Stroage Tank Operator page to be updated in CERS. This violation has not been complied with. Correct no later than 4/12/2018. This is a repeat violation. Note: Observed updated form maintained on site. Must submit to CERS.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

NORTH TAHOE STATION (Continued) **S103952148**

Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 03/25/2016. 91 spill bucket failed at the start of the inspection due to a leaking lid. Lid was replaced and bucket was retested and passed. Complied on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes:	Returned to compliance on 04/21/2016. Designated Operator listed for facility has not been with the company since mid-February. Obtain a new DO and submit proper paperwork to CERS by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	HSC 6.5 25123.3(c)25123.3(h)(1)(C) - California Health and Safety Code, Chapter 6.5 , Section(s) 25123.3(c)25123.3(h)(1)(C)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 12/06/2017. During routine inspection dated 3/15/2017, 3 drums were observed containing hazardous wastes without start accumulation dates written on them. Facility was given until 6/15/2017 to have all wastes removed from facility by a certified waste hauler. All three drums are still awaiting removal as of 11/6/2017. Per Gary, he reactivated the EPA ID but has not called a waste hauler to have wastes removed since the EPA ID was reactivated. Facility must have wastes removed by a certified waste hauler and provide a copy of the manifest to this office no later than 12/6/17 or reinspection fees shall apply and facility may be subject to additional enforcement action.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description: Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes: Returned to compliance on 03/25/2016. Only tag observed at the start of the inspection was on the diesel sump sensor. All tested equipment was tagged at the end of the inspection. Complied on site.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes: Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 03/13/2018. 1) Only observed October 2017 to current alarm logs. 2) Alarm logs were not complete. Be sure EVERY alarm is documented on the daily alarm logs as well as corrective actions taken.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description:	Failure to use a registered hazardous waste hauler to transport hazardous waste.
Violation Notes:	Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground. Discontinue practice immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 03/25/2016. Annual monitoring certification was due by 3/12/2016. Be sure monitoring certification for next year

NORTH TAHOE STATION (Continued) **S103952148**

	is on or before 3/12/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description:	Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes:	Returned to compliance on 03/25/2015. Board of Equalization number 44042661 expired 3/31/2009. Obtain a current BOE number within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Returned to compliance on 04/24/2015. Facility has obtained two repair permits in the last few months, neither of which were observed maintained at the facility at the time of the inspection. Be sure to maintain repair records on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-04-2016
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 03/04/2016. 1) Turbine sensors were located on the wrong side of the turbine for the diesel and 87 sumps at the start of the inspection. Sensors were placed in the proper location at the time of the inspection. 2) 91 annular sensor was approximately one foot from the bottom of the tank. Bottom was determined by using a weighted string. Two feet of wire were added to the sensor at the time of the inspection and annular was retested. 91 annular went into alarm due to water in the annular. Red tag to remain on 91 fill bucket until water is removed and annular is no longer in alarm. Note: Diesel and 87 annular sensors were in the proper location at the time of the inspection.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes: Returned to compliance on 12/30/2015. Facility currently does not have a Designated Operator on record. Last Designated Operator was Belshire. Called Belshire at the time of the inspection and was informed that BJ Manning with CMSI called and canceled the service on 10-27-2015. Correct by 12-18-15. Load new Designated Operator information into CERS within 30 days from the hiring date of the Designated Operator.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 07-27-2015
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Not reported
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes: Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Routine inspection report dated 3/15/17 required the monitoring plan to be updated to show the correct MLLD, FE Petro, by 4/14/2017. As of today, facility has not updated monitoring plan in CERS. Correct no later than 12/6/17 or a reinspection fee shall apply.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 03/13/2018. Dispenser 1/2 Diesel Bravo float failed at the start of the inspection. Float was cleaned, retested and passed at the time of the inspection. Dispenser 3/4 91 Bravo float failed at the start of the inspection. Float was cleaned, retested and passed at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 04/24/2015. Observed large amounts of dirt and debris in the bottom of all turbine sumps. Clean and properly maintain sumps. UDC under dispenser 3/4 failed secondary containment testing at the start of the inspection. Water was pumped out, tester found a cap that was not securely on. Cap clamp was tightened and UDC retested and passed at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-06-2014
Citation:	23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description:	Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 03/18/2014. 89 annular sensor wiring has

NORTH TAHOE STATION (Continued) **S103952148**

gone bad and was not able to be replaced at the time of the monitoring certification testing, leaving the sensor in alarm. Wiring must be replaced and sensor retested within 7 days of this inspection, March 13, 2014. Provide this office with test results within 30 days from the testing day.

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 04/17/2015. All three spill buckets failed at the time of the inspection. 91 product dropped from 9 3/8" to 9 1/2", 87 product dropped from 9 3/4" to 9 1/2", and diesel dropped from 10 1/8" to 9 7/8" at the time of the inspection. Tester to install new caps at retest.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 07-27-2015
Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description: Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes: Not reported
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Last Certificate of Financial Responsibility and Chief Finanacila Officer Letters in CERS expiredd 4/1/2017. CFR and CFO letters are required to be updated annually. Provide in CERS by 4/12/2018.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018

NORTH TAHOE STATION (Continued) **S103952148**

Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes:	2017 Monitoring Certification was not on site. Correct by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Update the site map to show the following: hazardous waste location (moved to the other side of the facility), evacuation route, product lines, spill kit located in side room. Correct by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes:	Returned to compliance on 03/12/2015. Line leak detection failed on the 87 product line at the start of the inspection. Line was adjusted and met requirements of detecting a 3.0 gallon per hour leak at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2015
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7,

NORTH TAHOE STATION (Continued) **S103952148**

	Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 04/24/2015. Facility's current Standard Underground Storage Tank Operating Permit expired on 4/13/2015. Facility is currently operating without a valid permit. A new Standard Operating Permit will not be issued until all violations listed have been corrected. Failure to correct violations may result in red tagging of the tanks and further enforcement action.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description:	Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment.
Violation Notes:	Returned to compliance on 03/12/2015. Bravo float and chain assembly did not spring correctly at the start of the inspection. Floats were cleaned of debris and in working status at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 03/04/2016. Observed water in the bottom of the 87 turbine sump at the time of the inspection. Was not able to access any other sumps to verify the status at the time of the inspection. All water must be removed immediately and maintained as a hazardous waste.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 04/24/2015. SB989 testing was due no later than 12/3/2014. SB989 was partially tested today. Johnson Tank was not able to complete the piping secondary containment testing or the sump secondary containment testing due to hardened boots. Johnson testing

NORTH TAHOE STATION (Continued) **S103952148**

	to order new boots and contact this office to set up testing date. Secondary containment testing must be completed no later then 3/27/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Diesel and 91 sump and product piping failed at the time of the inspection due to leaking boots. Replace boots and retest by 5/17/18.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 04/05/2016. No training records for current employees available at the time of the inspection. All employees must be trained annually and training records maintained on site for a minimum of 3 years. Correct by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-04-2016
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	Returned to compliance on 03/04/2016. 91 annular sensor was approximately 1 foot from the bottom of the tank. When sensor was placed in the proper location sensor alarmed. Both the 87 and Diesel turbine sump sensors were on the wrong side of the sump. Sensors must be located at the lowest point in the sump on the product piping side. All sensors were placed in the proper location at the time of the inspection. Raised sensors, misplaced sensors, and bypassing sensors on the monitoring panel are considered tampering with the monitoring system. Note: all annular and sump sensors are programed for positive shutdown and were verified at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST

NORTH TAHOE STATION (Continued) **S103952148**

Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/04/2016. 1) Observed 4 55 gallon drums in side yard. 3 of the 4 drums had labels. Green drum with no label was 1/2 full at the time of the inspection and the red drum had approximately 1 inch of waste in it. Green drum was labeled and a start date of 3/11/16 (date the 20+ gallons was pumped out of the annular space) was placed on drum at the time of inspection. 2) Facility is using a 5 gallon bucket for it’s solid waste container. Container is 3/4 full at the time of the inspection. All hazards waste containers must be closed and secured at all times. Provide a lid or a container that can be closed and secured. Provide waste label on solids container. Correct by 3/21/16.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct. Per Randy with Johnson Testing, he had to replace the 87 and 91 product sensors with like sensors on 2/23/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes:	Returned to compliance on 04/03/2015. List of trained employees has not been updated since 12/2013. Correct.

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Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes: Returned to compliance on 03/18/2015. Designated operator information on file for Ronnie Lewis expired on 1/11/13. Provide this office with current DO information.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 04/24/2015. Facility did not have a copy of the Standard Underground Storage Tank Operating Permit available on site at the time of the inspection. Correct.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 03/15/2017. Observed some water at the bottom of all sumps. Sump lids are in very poor condition and manhole enrty rings are cracked and broken, allowing water to easily enter the sumps. Observed numerous alarms due to water in the sumps. Correct so sumps do not take on water every time there is a storm event.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and

NORTH TAHOE STATION (Continued) **S103952148**

under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.

Violation Notes: Returned to compliance on 04/03/2015. DO monthly inspection forms had tapes attached to them from months after the monthly report was completed. DO monthly inspections must be done monthly, including pulling the alarm log at the time of the inspection and attaching that to the report.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-28-2017
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Inspection dated 3/15/17 and reinspection dated 11/6/17 required the MLLD information to be updated in CERS. Reinspection report from 11/6/2017 required facility to update MLLD on the tank monitoring plan no later than 12/6/17 or a reinspection fee shall apply. At this time CERS has not been updated and facility will be receiving a reinspection fee. If CERS is not updated to reflect correct monitoring equipment by 1/27/2018, this office will be conducting another reinspection at that time and an additional reinspection fee shall apply.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 12/30/2015. Facility currently does not have a Designated Operator on record. Last Designated Operator was Belshire. Called Belshire at the time of the inspection and was informed that BJ Manning with CMSI called and canceled the service on 10-27-2015. Correct by 12-18-15. Load new Designated Operator information into CERS within 30 days from the hiring date of the Designated Operator.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.5 25187.6 - California Health and Safety Code, Chapter 6.5,

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	Section(s) 25187.6
Violation Description:	No person shall remove, transfer, or dispose of the hazardous waste until permission for removal, transfer, or disposal is given by an authorized agent.
Violation Notes:	Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground with documentation. Discontinue practice immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Routine inspection report dated 3/15/17 noted facility had changed Designated Operators and did not update the Designated Operator information in CERS as required. In looking over the Designated Operator reports on 11/6/17, facility has changed Designated Operators again without making the changes in CERS. Facility must submit a new Owner Statement of Designated Operator form in CERS by 12/6/17 or reinspection fees shall apply. Note: form was left with employee at the time of the reinspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes:	Returned to compliance on 03/17/2016. Facility is not currently maintaining alarm logs. This requirement was discussed with Melanie on 12/4/2015. Correct by 2/16/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter

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	12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 10/20/2017. Facility's EPA ID# CAL000396266 went into inactive status on 6/30/2016. Facility must have an active EPA ID number for wastes to be hauled by a third party waste hauler. Reactivate ID by 4/14/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Observed waste water drum on side of building with improper labeling (non-hazardous waste). Properly label drum with hazardous waste, contents, facility information, EPA ID number, start accumulation date, etc. Correct within 30 days. As of today, hazardous wastes on site has reached over 27 gallons. Be sure to put start accumulation date of 3/12/2015 on drum and have contents removed by a waste hauler within 90 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-06-2014
Citation:	22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description:	Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 04/28/2014. Wrong EPA ID number was used on last manifest. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of

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	the UST system.
Violation Notes:	Returned to compliance on 04/05/2016. None of the current employees have been trained by the DO. Conduct training and maintain records on site. Comply by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-28-2017
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 06/07/2018. As documented on inspection report dated 3/15/17 and reinspection report dated, 11/6/17; sump lids were required to be replaced due to their poor condition. This office received the work plan and payment for replacement of sump lids as well as spill buckets, however work will not be completed until spring 2018 per contractor Mike Gerondakis due to TRPA permitting. Work must be completed no later than 5/31/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes:	Returned to compliance on 08/08/2016. Facility has been keeping daily alarm logs, however, facility has not been documenting all alarms. l1:87 annular went into alarm on 3/5/16 and 3/6/16 and was not noted on the alarm log. Any and all L sensors must be documented on the alarm log.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 04/05/2016. Per employee, has not been trained on how to properly handle waste, how to label containers, how to call, etc. Be sure to go over waste generation procedures with all employees when they are hired. Correct by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

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Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 03/27/2015. Current facility site map is vague and does not include the required information. Submit a current site map showing the following information: location of tanks and tank products, piping, sumps, monitoring locations, sensor locations, consoles, strom drain locations, etc. Inspector dropped off a corrections list to the facility dated 2/26/2015 requiring site map to be updated and resubmitted to CERS by 3/27/2015. Comply.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Per Designated Operator monthly reports, Designated Operator changed in May of 2016 to Shawn Rodriguez. Whenever there is a change in operation, including the Designated Operator, facility is required to update CERS within 30 days from the date of the change. Provide an updated "Owner Statements Of Designated Underground Storage Tank Operator and Understanding of and Compliance with UST REquirements" form to CERS no later than 4/14/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015

NORTH TAHOE STATION (Continued) **S103952148**

Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Only training observed on site was the Designated Operator training for the underground storage tanks. Be sure employees are trained on proper waste handling procedures: what to do if there is a release, how to properly handle hazardous wastes, etc. Document trainings and maintain documentation on site. Correct within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-06-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 04/28/2014. Per last manifest from RDO, facility is using wrong EPA ID #. CAL0000341966 is for a facility located in South Lake Tahoe. Refrain from using this ID number. The number listed on the EPA website for this facility is CAC002593242 but has been inactivated. Reactivate ID # or obtain a new number but discontinue use of wrong number immediately. Provide reactivation or new number confirmation to this office within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	monitoring and sb 989 testing ran over. Returned to the office at 6:12, flexed 6 minutes on 3/13/2015. Was accompanied by Will Speth with the State Water Board - enforcement branch.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Sharman Kumar. Business Plan was last submitted to CERS on 3/6/2017. Business Plan must be submitted every 365 days. Correct by 4/12/2018. Update site map to show actual location of hazardous wastes, product lines, all spill kits, and evacuation routes in CERS by 4/12/2018.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown

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Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for 91 annular, consented by Sam. Was not able to remove Red Tag due to water still being in the annular and sensor alarming. Facility to pull a permit with this office for any repair work required to get annular space fixed. Verified Red Tag still on the 91 fill pipe. Note: monitoring certification was due by 3/12/16.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Gaurav Singh. Business Plan is reflective of chemicals stored at the facility.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Gaurav Singh. Inspection was conducted in conjunction with annual monitoring certification testing, preformed by Mike Gerondakis. All required certifications observed prior to start of monitoring certification testing. The following must be updated in CERS by 4/1/2016 for compliance: -Certificate of Financial Responsibility -Letter from Chief Financial Officer Employee training is due by 3/31/2017. Provide Owner Statement of Designated Operator to CERS by 4/14/2017. 87 sump sensor was in alarm at the start of the inspection due to water in the junction box. Observed some water at the bottom of all sumps. Sump lids are in very poor condition and manhole rings are cracked and broken, allow water to easily enter the sumps. Observed numerous alarms due to water in the sumps. Correct so sumps do not take on water every time there is a storm event. All sensors, MLLD's, [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-17-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of facility's 91 annular space, consented by Gaurav. Met with Franzen-Hill technician Russell French on site. Per Russell, he removed approximately 2.5 gallons of water from the interstitial on 3/16/16 and then did a vacuum test to verify the annular space is tight. Russell removed approximately a quart of water from the interstitial on 3/17/16 and verified preformed a second vacuum test for this office to verify. Observed annular hold at 10 psi

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for 62 minutes. Removed red tag number 2342 at the time of the inspection. Per the inventory report, 91 premium tank has 387 gallons in the tank. Ok to call for a fuel delivery.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted re-inspection on site, consented by Suriender Kumar, to observed the testing of the SB989 and retesting of the spill buckets: Re-inspection for spill bucket and SB989 testing only. Testing done by Randy Johnson. Replacement pipe boots ordered by Randy do not fit the piping. Randy has ordered new boots and will schedule the SB989 test for turbine sumps and piping sometime next week. Retested the spill buckets with new caps. All three spill buckets do not hold the required five gallons. Spill buckets must be replaced and a repair permit must be obtained from this office. This repair must be completed before 4/12/15 or the UST Operating Permit will not be reissued. Sumps must be cleaned of all dirt and debris. Facility's Standard Underground Storage Tank Operating Permit expires on 4/13/2015. Permit will not be reissued until all violations and repair permits have been corrected/completed.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Richard. Observed most current copy of the Business Plan maintained on site. Employees are not able to access CERS so a paper copy of the plan is required. Next CERS resubmittal is due no later than 12/30/2016. Be sure all employees are trained annually and that training records are maintained on site.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-11-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reinspection. violations have not been corrected at this time
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Stopped by facility to see if paperwork was on site and other

NORTH TAHOE STATION (Continued) **S103952148**

violations corrected
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection of Underground Storage Tank inspection on site, consented by Corrina Grubb. Observed secondary containment testing for the 91 product piping, 91 turbine sump, and diesel turbine sump with Randy Johnson. All tests passed at the time of the inspection. Sumps have been cleaned of debris. Randy Johnson still to paint inside of sumps and piping to deter rust. Observed repair permits maintained on site. Dispenser 4 gas hose replaced. Facility has complied with all outstanding violations. A new Standard Underground Storage Tank Operating Permit will be issued.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection for change in facility operator only. Annual routine Hazardous Material Business Plan inspection was conducted in April, 2015. Facility operator changed on 10/30/2015 from CMSI to Tahoe Station Inc. Stopped by facility and discussed the need to update all contact information in CERS and the Designated Operator on 11/3/2015. Facility has not updated CERS within to 30 days of changes to personnel/operations as regulations require. Correct by 1/3/2016 or enforcement action shall occur.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-28-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection for open violations noted on routine inspection report dated 3/15/17 and reinspection report dated 11/6/2017: 1) Per Mike Gerondakis, contractor hired to replace sump lids and spill buckets, TRPA will not issue a permit until spring. This office has received a work plan and permit fees. All work must be completed no later than 5/31/2018. Be sure all alarms are properly documented on the daily alarm log, in the Designated Operator monthly reports, and water is promptly pumped out of sumps, stored in properly labeled and secured drums, and removed in the required time frame. 2) Designated Operator information has not been updated in CERS as required and noted in both the routine inspection conducted on 3/15/17 and the reinspection conducted on 11/6/17. A reinspection fee will be applied to this inspection. Updated Designated Operator information in CERS no later than 1/27/18. 3) Monitoring Plan has not been updated in CERS to reflect equipment [Truncated]

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Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-09-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted a reinspection on site, consented by Melanie Payne, in response to a citizen's complaint of facility pumping waste water onto ground that flows directly into a storm drain. Per investigation, determined that facility did not have the amount of waste water stored on site that was documented to have accumulated in the Designated Operator's reports from December 2015 - February 2016. No start accumulation dates were observed on the hazardous waste containers at the time of the inspection. Discontinue unauthorized releases of hazardous waste immediately. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-06-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan on site, consented by Joe. Did not observe all required paperwork for the Hazardous Material Business Plan being maintained on site, correct. Facility must submit HMBP and UST information into CERS within 30 days of this inspection report. Please log onto the CERS website and submit your facility information at www.cers.calepa.ca.gov/business. The CERS's ID for this facility is 10205815. Please contact this office at 530.581.6249 to set up an appointment to get the submittal into CERS if need be.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-06-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Joe. Observed one drum with label and a small amount of waste water from sumps at the time of the inspection. Observed floor sweep/clean up material. Be sure to obtain an active EPA ID number specific to this site. Submit all hazardous material information into the CERS system.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2015
Violations Found:	Yes

NORTH TAHOE STATION (Continued) **S103952148**

Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Suriender Kumar. Monitoring certification and partial SB 989 testing done by Johnson Testing. Per Raman Singh, owner is contracting with a new Designated Operator starting on 3/13/2015. Be sure to update DO information to CERS within 30 days of the change, no later then 4/30/2015. Note: a DO form was left at the facility at the time of the inspection. Change mid grade product ring to diesel product identification ring in fill port. Change the chemical inventory in CERS to reflect diesel fuel. Observed DO current certifications maintained at facility.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Sharman Kumar. All noted violation must be corrected no later than 4/12/2018. On site to witness Monitoring Certification testing, conducted by Mike Gerondakis. Observed the testing of all annulars, MLLDs, Bravo Boxes, spill buckets, and sump sensors. Observed all tested equipment stickered and placed in the proper location at the end of testing. SB989 testing to occur on March 20, 2018. Be sure to provide a copy of the Monitoring Certification to this office no later than 4/12/2018. Note: DO, CFO, and CFR forms were left at the facility at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of facility Conditionally Exempt Small Quantity Waste Generation on site on 3/14/2016, consented by Sam. Observed waste manifest from 3/9/16 from RDO. Observed 1 55 gallon drum and waste solids container unlabeled at the time of the inspection. Observed solid waste container without a lid. All waste containers must be closed and secured at all times. Observed a sheen on the ground by the green dru. Clean and place waste in solids container. Correct violations by 3/21/2016.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-17-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted re-inspection on site to observed replacement of all three spill buckets, diesel tank conversion repair work, and SB989 testing for all product piping and turbine sumps, consented by Sahil Singh. Observed replacement and retest of all three spill buckets. All

NORTH TAHOE STATION (Continued) **S103952148**

buckets passed at the time of inspection. Provide this office with a copy of the monitoring certification within 30 days of this inspection report. Hose for gas on dispenser 4 has not been replaced. Correct by 4/24/2015. Observed the capping of the vapor piping for the middle tank, completely the conversion from mid-grade to diesel. Diesel fuel may now be administered by the facility. Mike Gerondakis is to provide this office with piping schematics for tanks within 30 days of this report. Debris has not been removed from sumps. Correct. Secondary product piping lines were not able to be tested on 91 tank. Retest is scheduled for 4/22/2015. Turbine sump for 91 product tank was not able to be [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection for violations noted on inspection reports dated 3/12/2015 and 7/27/2015, consented by Brandi Dalton. All violations have been corrected. Observed waste manifests from 8/5/2015. Wastes were transported by Belshire. Observed new waste drums with secure lids and proper labeling. Note: no wastes were in the drums at the time of the inspection. Hazardous waste handling and training is being done during the designated operator training and records maintained on site. As noted on inspection report from 7/27/15, fire extinguisher was serviced in October 2014. Be sure to get extinguishers service annually.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted a reinspection of facility's Underground Storage Tank system on site, consented by Melanie Payne. Observed VeederRoot alarming for the Diesel Annular and 87 turbine sump at the time of the inspection. All turbines were operating at the time of the inspection even though the sensors were in alarm. Per Melanie, alarm has been going off for a long time. Facility is not maintaining alarm logs. Observed water in all spill buckets and in 87 sump at the time of the inspection. Was not able to gain access to the diesel or 91 product sumps to verify that they were free of liquid and sensor location. Facility is out of compliance with numerous class 1 violations and may result in further enforcement action and reg tagging of facility's underground storage tanks.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2014
Violations Found: Yes
Eval Type: Routine done by local agency

NORTH TAHOE STATION (Continued) **S103952148**

Eval Notes:	Conducted routine annual UST inspection on site, consented by Joe. Inspection was conducted during annual monitoring certification testing, done by Randy Johnson. Observed required technician certifications. 89 annular sensor wiring must be replaced and sensor retested within 7 days from this inspection. 87 sump sensor failed at the start of the testing. Sensor was changed out and retested, passed. Be sure to maintain all required paperwork on site. Submit all facility information into the CERS system within 30 days.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Suriender Kumar. Be sure to properly label hazardous waste containers at all times. Be sure to properly close and secure waste containers at all times. Train all employees on how to handle hazardous wastes and maintain records at facility.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Gaurav Singh. EPA ID number has been inactivated. Correct. Once facility reached 27 gallons of total waste a start accumulation date must be posted on the container labels. Be sure this gets completed and wastes are removed by a certified waste hauler before 6/15/2017. All containers were closed and secured at the time of the inspection. Observed waste manifests being maintained on site for 3+ years. Some waste container labels are faded so as they are barely visible. Replace or darken.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-11-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection for UST violations from 3/3/2014, consented by Suriender Kumar. Spoke with Randy Johnson (Johnson Testing Company) on 3/18/2014. He verbally verified that he fixed the wiring and retested the 89 annular sensor. Inspector informed Mr. Johnson that this office must be notified of any work done and witness retesting. Relieved incomplete monitoring certification results from Mr. Johnson. He is to correct and provide a complete copy to this office by May 10, 2014 for compliance. No Unidoc forms observed at the time of the reinspection. Must maintain paperwork on site by 4/21/2014 or enforcement action may occur. Designated Operator paperwork on site has not been updated as of 4/11/2014 and is still showing Ronnie Lewis. Provide appropriate

NORTH TAHOE STATION (Continued) **S103952148**

paperwork/certification copies for Corey Johnson by 4/21/2014. Note: During reinspection, inspector looked through monthly DO reports more throughly. Alarm logs attached to reports are from after the [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-17-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: On site to witness SB989 testing with Mike Gerondakis. For routine annual inspection, see report dated 3/13/18. Both the diesel and 91 product line and turbine sumps failed at the time of the inspection due to leaking boots. Replace boots and retest by 5/17/18. Annular space passed for all three tanks at 6 psi for one hour. UDC containment 1/2 passed. UDC 3/4 failed the Caldwell test initially, however it passed when tested again. Product pipe and sump passed for 87 product tank. Product pipe was tested at 5 psi for one hour, sump tested with Caldwell test for half hour. Product piping was tested to
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection for change in facility operator only. Annual routine Underground Storage Tank inspection was conducted during the annual monitoring certification in April, 2015. Facility operator changed on 10/30/2015 from CMSI to Tahoe Station Inc. Stopped by facility and discussed the need to update all contact information in CERS and the Designated Operator on 11/3/2015. Upon review of the Designated Operator book, facility does not appear to have a current DO for the site. No DO monthly inspection report available for November. Called Belshire, the last DO on file. Per Nicole Magner with Belshire, BJ Manning of CMSI called and canceled the service on 10/27/2015. Hire a Designated Operator immediately. Designated Operator must train all facility personnel. Note: facility has one existing employee from when CMSI was operating the store. This employee has been trained by Belshire and records are available at the facility. Upload current Designated [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-28-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection for open violations noted on the routine inspection report conducted on 3/15/2017 and reinspection report conducted on 11/6/2017: This office received a faxed copy of a waste manifest from Asbury Environmental Services for the pickup of four waste water drums on 12/6/2017. At the time of reinspection, employee could not find a

NORTH TAHOE STATION (Continued) **S103952148**

copy of the manifest, only the service order from AES. Facility will receive the original manifest back, signed by the Designated Facility within 30 days from the date the wastes were picked up. Be sure to keep the Designated Facility signed copy for a minimum of 3 years. If facility does not received the manifest signed by the Designated Facility back within 45 days (and the Designated Facility must have signed the form within 30 days of waste pickup), facility must provide a report to DTSC. Verified drums have been removed from facility by as required in reinspection report dated 11/6/2017. Observed two empty 55 gallon drums [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-29-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reinspection to verify DO reports are being done. Pictures taken of Dec and Jan DO reports. Reports state employees have been trained but no training records on file due to DO not having required paperwork at the time of the training (he did not know he was going to be the DO until on site).
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-04-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: witnessed monitoring cert for all sump and annular sensors, pulled red tags, comments in ec, sent update to Will Speth
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-04-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection on site to remove Reg Tags, consented by Raman. 91 annular was observed approximately 1’ above the bottom of the annular space. When sensor was placed in the proper location it went into alarm due to water in the annular. Red Tag was not removed at the time of the inspection. Once water has been removed and sensor is no longer alarming, facility may call this office to set up another reinspection to verify compliance before the Red Tag can be removed. Turbine sump sensors for the 87 and diesel sumps were not in the proper location at the start of the inspection. Sensor location was corrected at the time of the inspection. All annular and turbine sump sensors were working and programed for positive shut down at the time of the reinspection. Red Tag number 0343 on the 87 fill line was removed by Placer County Environmental Health Specialist Molly Murphy at the time of the inspection. Observed alarm logs on site. Facility started [Truncated]
Eval Division: Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Sharman Kumar. Be sure all employees that handle hazards wastes are trained on proper disposal, labeling, etc. Be sure wastes are hauled within 180 days from the start accumulation date (27 gallons of waste). Observed wastes manifests maintained on site for 3+ years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generation inspection on site, consented by Richard. Observed all waste containers properly closed and labeled. Waste has a start accumulation date of 3/11/2016. Be sure all wastes, solid and liquid, are removed from the facility by a certified waste hauler within 90 days of the start accumulation date. Observed spill kit available. Observed waste manifests from the last three years maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Richard. Next routine inspection is due no later than 3/12/2017. Monitoring Certification done by Johnson Testing. Observed all sensors and line leak detector pass at the time of the inspection. Observed all spill buckets pass by the end of the inspection. 91 spill bucket originally failed due to leaking lid. Lid was replaced at the time of the inspection, bucket re-tested and passed. Middle Bravo float in UDC 1/2 stuck due to debris but passed once cleared. Observed all sensors, line leak detectors, and bravo floats tagged with technician's initials and todays date. All sumps and spill buckets were free of liquid and debris. 91 and 87 sumps have corrosion around the piping. Clean by 4/24/2016. Facility needs to submit the following paperwork into CERS by 4/24/16 for compliance: Owner Statement of Designated UST Operator Certificate of Financial Responsibility [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-03-2015

NORTH TAHOE STATION (Continued) **S103952148**

Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site to conduct re-inspection of secondary containment testing only for the sumps and the product line. Consented by Suriender Kumar. New boots were installed on the product line secondary containment pipes. All three boots leaked at the time of the inspection. Randy Johnson to reset boots. All three product sumps failed secondary containment testing at the time of inspection due to improperly sealed electrical boxes. Water was flowing from the 91 product sump to the other two sumps. Corrections and retesting due by April 17, 2015. If electrical boxes need to be replaced, facility must obtain a repair permit from this office prior to any work being done. Note: Observed Designated Operator employee training records maintained on site. All employees were trained on 3/17/2015. Audible and visual alarm verified at the time of the re-inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-11-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of Conditionally Exempt Small Quantity Generator, consented by Suriender Kumar. Per the California Department of Toxic Substances Control website, facility has not either reactived old EPA ID number or requested a new number. Correct by 4/21/2014. Be sure to put current EPA ID number on all waste manifests from now on as the tracking number must be site specific.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-23-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection on 4/21/2014, consented by Suriender Kumar. Observed Unidoc paperwork on site at the time of the reinspection. Facility submitted required paperwork into the California Environmental Reporting System on 4/23/2014. During reinspection went through Designated Operator binder. As of 4/21/2014, no monthly reports for March 2014 or April 2014 have been completed and filed in binder. Have not received completed Designated Operator certification form as of 4/24/2014. A completed form must be submitted to this office by Friday, 5/2/2014. Due to violations not being corrected by 4/21/2014, a reinspection fee of $343 will apply.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-23-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted revisit inspection on 4/21/2014. At the time of reinspection, observed a copy of the Hazardous Material Business Plan

NORTH TAHOE STATION (Continued) **S103952148**

maintained on site. No CERS entry had been submitted. Met with Jagroop Singh in the County office on 4/23/2014 to enter and approve the facility information into CERS. Since this information was not submitted on or before 4/21/2014, a reinspection fee of $343 will be billed to the facility. As of 4/23/2014, all Hazardous Material Business Plan violations have been corrected.

Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-28-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection of facility on 4/21/2014 to verify correction of violations cited during routine inspection on 3/6/2014. Consented by Suriender Kumar. Received unsigned application for an EPA ID number on 4/16/2014. Called DTSC on 4/21/2014 to verify they received the application. Per DTSC employee, no application had been submitted. If the application was submitted without a signature it is not processed. Discussed problem with Jagroop Singh during office visit on 4/23/2014. EPA ID application was resubmitted to DTSC and a copy to this office on 4/24/2014. New EPA ID # CAL000396266. Be sure this number is on all waste container labels and is updated into the CERS system.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-06-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Construction inspection for new spill buckets and manhole covers: Observed spill bucket test for 87, 91, and diesel. All buckets hold 5 gallons passed at the time of inspection. Investigated piping on west side of all three tanks. Confirmed piping is a straight drop to the annular space. Current annulars are located at the east end of the tanks and are sloped, making sensor placement a challenge. Mike G to lay conduit out for possible future annular use of the west pipes. Mike G to replace electrical wiring to annulars and sumps. Contact Placer County Building Department for an electrical permit. Provide drawings of conduit layout. OK to concrete in manhole covers.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-27-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection for violations noted on inspection report dated 3/12/15: None of the violations listed in inspection reported dated 3/12/2015 have been corrected despite this office working with new staff in April to help correct violations. Observed 2 55 gallon drums of waste water. The metal drum is full and has an unsecured lid on the top. The plastic drum is over half full with a secure lid, however, there is a plug missing on on top of the drum. Neither drum is labeled. Fire

NORTH TAHOE STATION (Continued) **S103952148**

extinguisher was last served in October 2014. Employees must be trained on response procedures and hazardous waste handling at the time of hire. Facility has 30 days to correct violations or a reinspection fee and further corrective action may apply. Note: Pictures of hazardous waste containers taken at the time of the inspection.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-06-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection for open violations noted on routine inspection report dated 3/15/17: 1) Routine inspection report dated 3/15/17 required sump lids to be replaced so as they do not leak. A contractor has been in contact with this office regarding replacing the top of the sumps and spill buckets but as of 11/6/17 work plan and payment have not been submitted to this office. Correct by 12/6/17 or a reinspection fee shall apply. 2) Routine inspection report dated 3/15/17 noted facility had changed Designated Operators and did not update the Designated Operator information in CERS as required. In looking over the Designated Operator reports on 11/6/17, facility has changed Designated Operators again without making the changes in CERS. Facility must submit a new Owner Statement of Designated Operator form in CERS by 12/6/17 or reinspection fees shall apply. Note: form was left with employee at the time of the reinspection. 3) Routine inspection report dated 3/15/17 [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-06-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection for open violations noted on the routine inspection conducted on 3/15/2017: During routine inspection dated 3/15/2017, 3 drums were observed containing hazardous wastes without start accumulation dates written on them. Facility was given until 6/15/2017 to have all wastes removed from facility by a certified waste hauler. All three drums are still awaiting removal as of 11/6/2017. Per Gary, he reactivated the EPA ID but has not called a waste hauler to have wastes removed since the EPA ID was reactivated. Facility must have wastes removed by a certified waste hauler and provide a copy of the manifest to this office no later than 12/6/17 or reinspection fees shall apply and facility may be subject to additional enforcement action. Notes: Observed faded labels on all drums. Be sure labels can be clearly read at all times. EPA ID was reactivated on 10/20/2017. Provide this office with a copy of the waste manifest no later than 12/6/2017 or [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

NORTH TAHOE STATION (Continued) **S103952148**

Enforcement Action:

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-09-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-09-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-16-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Red Tagging all USTs due to SOC and imminent health hazard violations. Regular 87 tank, red tag # 0343. Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, 87 tank had 1083 gallons in it per the inventory report. Pulled Red tag on 3/4/16. Per inventory report, 87 tank had 508 gallons at the time of tag removal.
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-16-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Red tagging all USTs on site due to SOC and imminent threat violations. 91 tank, red tag # 2342. Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations

NORTH TAHOE STATION (Continued) **S103952148**

must be corrected before the reg tag can be removed. At the time of the red tag, 91 tank had 964 gallons in it per the inventory report. Removed Red Tag on 3/14/2016. There was 387 gallons of premium in the tank at the time of red tag removal.

Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Red tagging all USTs on site due to SOC and imminent threat violations. Diesel tank, red tag # 0348.Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, the diesel tank had 2011 gallons in it per the inventory report. Pulled Red Tag on 3/4/16. Per inventory report, there was 1842 gallons in the tank at the time of Red Tag removal.
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-06-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH

NORTH TAHOE STATION (Continued) **S103952148**

Site Zip: 96143
Enf Action Date: 03-06-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-12-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-12-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-15-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-17-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-17-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-03-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-17-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-18-2017

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Sent NOV, both cert and first class. Cert mail # 70150640000513824837 4/28/17: received NOV back - unable to be delivered. Checked address. EC had wrong address under the owner (PO Box 2780 instead of 2480). Updated in EC and resent letters first class and certified (Cert 70150640000513824844).
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Sent NOV, both cert and first class. Cert mail # 70150640000513824837 4/28/17: received NOV back - unable to be delivered. Checked address. EC had wrong address under the owner (PO Box 2780 instead of 2480). Updated in EC and resent letters first class and certified (Cert 70150640000513824844).
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD

NORTH TAHOE STATION (Continued) **S103952148**

Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 07-27-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-04-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-04-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Raman Singh
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: NORTH TAHOE MOBIL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Affiliation Type Desc:	UST Tank Owner
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 2480
Affiliation City:	KINGS BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	jagroop singh
Entity Title:	Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 318-9350

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Environmental Contact
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	po box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Property Owner
Entity Name:	TAHOE STATION ,INC
Entity Title:	Not reported
Affiliation Address:	2304 LAKE TAHOE BLVD
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96150
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Identification Signer
Entity Name:	raman singh
Entity Title:	MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO BOX 2480
Affiliation City:	KINGS BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Operator
Entity Name:	SINGH, RAMAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 307-0002

ENF:

Region:	6A
Facility Id:	208983

NORTH TAHOE STATION (Continued) **S103952148**

Agency Name:	Ultramar, Inc Hanford
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	6A310101003
Reg Measure Id:	166531
Reg Measure Type:	Unregulated
Region:	6A
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236692
Region:	6A
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/13/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	2001-05-23
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6A310101003
Description:	Issued 13267 letter on April 13, 2001 concerning groundwater remediation
Program:	UST
Latest Milestone Completion Date:	2001-06-03
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	6A
Facility Id:	208983
Agency Name:	Ultramar, Inc Hanford
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	6A310101003
Reg Measure Id:	166531
Reg Measure Type:	Unregulated
Region:	6A
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	235984
Region:	6A
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	01/12/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	2001-03-21
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 6A310101003
Description:	By March 15, 2001 submit GW capture zone analysis; by April 1, 2001 re-evaluate pump & treat effectiveness vs. other technologies; by April 1, 2001 cost estimate to install pumps in 2 off-site wells.
Program:	UST
Latest Milestone Completion Date:	2001-03-21
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

NORTH TAHOE STATION (Continued) **S103952148**

Project $ Amount: 0
Liability $ Paid: 0
Project $ Completed: 0
Total $ Paid/Completed Amount: 0

PLACER CO. MS:
Facility ID: FA0008426
Facility Status: Active
Program Element Code: 2303
Program: UNDERGROUND STORAGE TANKS - 3 TANKS
Record Num: PR0000127
District Code: 61
Decode for Fstatus: Active

Facility ID: FA0008426
Facility Status: Active
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0003021
District Code: Not reported
Decode for Fstatus: Active

Facility ID: FA0008426
Facility Status: Active
Program Element Code: 2268
Program: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num: PR0010318
District Code: Not reported
Decode for Fstatus: Active

CERS TANKS:
Site ID: 138792
CERS ID: 10205815
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-11-2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 04/28/2014. Only paperwork observed is the current UST permit. Must provide all UST unidoc forms on site by 4/21/2014 or enforcement action may occur.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-03-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 04/24/2015. Sump and piping secondary

NORTH TAHOE STATION (Continued) **S103952148**

containment testing failed due to leaking boots and improperly sealed electrical boxes. Correct and call this office to set up a re-inspection. Note: if electrical boxes need to be replaced, a repair permit must be obtained through this office prior to any work done. Correct by 4/17/2015.

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/17/2016. Observed a full 55 gallon drum and another 55 gallon drum about 1/4 full on site with no start accumulation date. Once facility reaches 27 gallons of hazardous waste, facility must document the start accumulation date on all hazardous waste containers and have the wastes removed within 90 days from the start accumulation date. Correct by 2/16/2016. Note: wastes must be removed by a certified hazardous waste transporter within 90 days from the date the facility generated 27 gallons.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/03/2017. Provide accumulation start dates on all containers holding hazardous wastes once the overall waste amount reaches 27 gallons. Observed a red 55 gallon drum half full as well as a green 55 gallon drum with roughly 10-15 gallons of waste at the time of the inspection and no accumulation start dates on either drum. Correct by 4/14/17.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid,

NORTH TAHOE STATION (Continued) **S103952148**

	and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 03/04/2016. Observed water in all three spill buckets at the time of the inspection. Be sure spill buckets are cleared of liquid immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-06-2014
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 04/28/2014. Only observed UST permit being maintained on site at the time of the inspection. No unidoc forms were observed on site. Be sure to maintain tank and monitoring forms (unidoc forms) on site at all times.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Returned to compliance on 04/24/2015. Repair permits were still not observed on site. This violation was noted on inspection report dated 3/12/2015. Correct by 4/24/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes:	Returned to compliance on 03/13/2018. All sump sensors were observed at a 45* angle at the start of the inspection. Sensors were intalled at 90* at the end of the inspection. Be sure sensors are straight up and down for proper function. Corrected at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-23-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 04/23/2014. 1) Jargoop Singh, facility manager, came into the office to obtain copies of the facility paperwork from the County file. Verified paperwork was being maintained on site via a site visit on 4/21/2014. 2) Facility was given until 4/21/2014 to get hazardous material/UST information submitted into the California Environmental Reporting System (CERS). As of 4/21/2014, nothing had been submitted into CERS. Jargoop Singh came by on 4/23/2014 and received help submitting entry into CERS. CERS submittal was approved by the enforcement agency on 4/23/204. Since facility did not submit information into CERS on or before 4/21/2014, a reinspection fee of $343.00 shall apply.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2015
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 04/24/2015. 1) Premium grade product piping boot leaking at the time of re-inspection. Randy Johnson resealed boot, however due to wet seal product piping lines and 91 sump were not able to be tested at the time of the inspection. Testing of the 91 product line and sump will be conducted on 4-22-2015. 2) Diesel turbine sump was leaking under the boot at the time of testing. Randy to seal lower sump wall and retest. Testing will be conducted on 4-22-2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-23-2014
Citation:	23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes:	Returned to compliance on 03/12/2015. Facility submitted an incomplete Designator Operator compliance statement to this office on 4/23/2014. Provide completed statement, including expiration date and a copy of Cory Johnson's ICC card, to this office by Monday, 4/28/2014.
Violation Division:	Placer County Environmental Health
Violation Program:	UST

NORTH TAHOE STATION (Continued) **S103952148**

Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-03-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 04/24/2015. Secondary containment testing is still not complete due leaking boots and unsealed electrical boxes. Must correct by April 17, 2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(d)
Violation Description: Failure to notify the owner or operator of any condition discovered during the monthly visual inspection that may require follow-up actions.
Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 03/04/2016. Sensor in 87 turbine sump was located on it’s side in the highest point of the sump floor. All sensors must be maintained in a vertical position and located in the lowest point of the sump floor, near the product piping.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description: Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes: Fire extinguisher last serviced on 11/6/2013. Fire extinguishers are

NORTH TAHOE STATION (Continued) **S103952148**

required to be serviced annually. Correct.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes: Returned to compliance on 03/29/2018. 1) Did not observed February 2018 DO report on site. 2) Observed incomplete DO reports. November 2017: missing second page and alarm tape, December 2017 and September 2017: missing alarm tapes. Be sure all reports are kept at facility for 1 year and are complete.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 04/21/2016. DO paperwork on site is no longer valid due to employee no longer working for testing company. Obtain a new DO and submit proper paperwork to CERS by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 04/21/2016. Observed corrosion in the 91 and 87 sumps, especially on the piping. Clean by 4/24/2016.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes:	Returned to compliance on 04/21/2016. Did not observe a DO report for Feb (the DO report done in Feb was 10 days after the January report and does not meet the 30 day DO report requirements) or a DO report for March. Correct by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description:	Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes:	Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.5 25123.3(c)25123.3(h)(1)(C) - California Health and Safety Code, Chapter 6.5 , Section(s) 25123.3(c)25123.3(h)(1)(C)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 03/13/2018. Wastes were stored on site for 9 months after the start accumulation date prior to being transported by AES. Be sure all wastes are removed within 180 days once 27 gallons of total waste accumulation has been produced. Note: Facility reached 27 gallons of waste at the time of the inspection. All wastes must be transported off site by a Certified Waste Hauler no later than 9/13/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HW

NORTH TAHOE STATION (Continued) **S103952148**

Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	1) Update MLLD on Monitoring Plan to reflect equipment installed. Current plan shows LD-2000 when an FE Petro is what is installed. This is a repeat violation noted on inspection report dated 3/15/2017 and reinspection reports dated 11/6/2017, and 12/28/2017. Correct in CERS no later than 4/12/2018. 2) Facility Information page: facility currently has self-insured listed as the Financial Responsibility Mechinism. Per past submittals, facility was using the State Fund and CFO Letter. Either provide self-insurance information or change to State Fund and CFO letter and provide current documentation in CERS. 3) Last CERS submittal has the 2-89 tank listed instead of the 2-Diesel. Update and resubmit Tank ID 2-Diesel information in CERS. 4) BOE number in CERS is invalid. Update BOE number to correct number, 44048966. 5) Monitoring Plans for all tanks: Remove ATG from Tank Moniroting Sections. 6) Monitoring Plans for all tanks: UDC Monitoring: Bravo box is not connected to [Truncated]
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 04/01/2015. Chief Financial Responsibility Letter on file and at site signed 3/22/2013. Submit at current letter to this office.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/05/2018. Last CERS submittal was completed on 3/6/2017. Hazardous Material Business Plan must be resubmitted every 365 days if there have been no changes. Correct by 4/12/2018. Note: all sections of the Business Plan must be submitted.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-04-2016
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Returned to compliance on 03/04/2016. 91 annular sensor was approximately 1 foot from the bottom of the tank. When sensor was placed in the proper location sensor alarmed. Both the 87 and Diesel turbine sump sensors were on the wrong side of the sump. Sensors must be located at the lowest point in the sump on the product piping side. All sensors were placed in the proper location at the time of the inspection. Raised sensors, misplaced sensors, and bypassing sensors on the monitoring panel are considered tampering with the monitoring system. Note: all annular and sump sensors are programed for positive shutdown and were verified at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-28-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 09/05/2018. Inspection dated 3/15/17 and reinspection dated 11/6/17 required the Designated Operator information to be updated in CERS. Reinspection report from 11/6/2017 required facility to update the DO information no later than 12/6/17 or a reinspection fee shall apply. At this time CERS has not been updated and facility will be receiving a reinspection fee. If CERS is not updated to reflect current DO information by 1/27/2018, this office will be conducting another reinspection at that time and an additional reinspection fee shall apply.
Violation Division: Placer County Environmental Health
Violation Program: UST

NORTH TAHOE STATION (Continued) **S103952148**

Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 03/13/2018. Current employees were not properly trained by the owner/operator as to waste handing requirements. Employee was informed of CESQWG requirements by the CUPA during a reinspection. Be sure all employees are properly trained on the requirements if they are going to be handling hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.
Violation Notes: Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes

NORTH TAHOE STATION (Continued) **S103952148**

must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground. Discontinue practice immediately.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Provide product lines on site map.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. Facility employees have not been trained. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 04/03/2015. List of trained employees has not been updated since 12/2013. Correct.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description:	Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes:	Returned to compliance on 03/12/2015. Did not observe a tag on the diesel sump sensor at the beginning of the inspection. Complied at the time of inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2015
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 04/24/2015. All turbine sumps have large amounts of dirt and debris on the bottom. This violation was noted in inspection report dated 3/12/2015 and was required to be corrected by 4/12/2015. Clean sumps immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 12/30/2015. Facility changed operators from CMSI to Tahoe Station Inc on 10/30/2015. Environmental Health preformed a consultation inspection on 11/3/2015 and informed facility personnel that per regulations, facility had 30 days from the date of operator change to update all the required contact information in CERS. This was not done. Update facility's contact information in CERS by 1/3/2016 or enforcement action shall occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2015
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Notes:	Returned to compliance on 04/24/2015. 1) Premium grade product piping boot leaking at the time of re-inspection. Randy Johnson resealed boot, however due to wet seal product piping lines and 91 sump were not able to be tested at the time of the inspection. Testing of the 91 product line and sump will be conducted on 4-22-2015. 2) Diesel turbine sump was leaking under the boot at the time of testing. Randy to seal lower sump wall and retest. Testing will be conducted on 4-22-2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 03/17/2016. Approximately 25 gallons was removed from the 91 annular space on 3/11/16. Sensor went back into alarm on 3/12/16. Correct problem by 3/28/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7,

NORTH TAHOE STATION (Continued) **S103952148**

	Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 03/04/2016. Observed liquid in all three spill buckets at the time of the inspection. Spill buckets must be able to maintain a minimum of 5 gallons of product in case of an overfill. Correct by 2/16/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 04/28/2014. Reinspection to verify violation correction. Per the CA DTSC waste tracking website, facility has not submitted for either a new EPA ID number or to reactivate the old EPA ID number and no paperwork for renewal was observed at the facility. Must send paperwork to EPA and show proof of EPA Tracking Number request by 4/21/2014 or enforcement actions may occur.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 03/13/2018. Diesel spill bucket failed at the start of the inspection. A new cap was installed, bucket retested, and passed at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 03/15/2017. 87 Turbine sump sensor L4 was activated on 3/14/2017. Water was removed from the sump but facility could not clear the alarm. Sensor was still in alarm at the start of the inspection and turbine was off. It was determined that water in the junction box was causing the alarm. Water was removed and sensor was working properly by the end of the inspection.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 12/30/2015. Facility has not had a Designated Operator since 10/27/2015. No Designated Operator report is available for November 2015. Facility employees have not been trained. Correct immediately, no later than 1/3/2015.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 04-11-2014
Citation: 22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description: Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal.
Violation Notes: Returned to compliance on 04/28/2014. Facility has not submitted for either a new EPA ID number or to reactivate the old EPA ID number and no paperwork for renewal was observed at the facility. Must send paperwork to EPA and show proof of EPA Tracking Number request by 4/21/2014 or enforcement actions may occur. Note: no waste has been transported since routine inspection conducted on 3/6/2014.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 11-06-2017
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 06/07/2018. Routine inspection report dated 3/15/17 required sump lids to be replaced so as they do not leak. A contractor has been in contact with this office regarding replacing the top of the sumps and spill buckets but as of 11/6/17 work plan and payment have not been submitted to this office. Correct by 12/6/17 or a reinspection fee shall apply.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	03-15-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Monitoring plan shows MLLD for the 87 product as an LD-2000. Change monitoring plan to reflect the MLLD installed, which is a FE Petro, by 4/14/17.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-11-2014
Citation:	23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes:	Returned to compliance on 03/12/2015. No paperwork has been received by this office or on site with current Designated Operator information. As per the DO reports, facility is using Corey Johnson as it's Designated Operator. Must provide current Designated Operator paperwork by 4/21/2014.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-17-2016
Citation:	40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description:	Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
Violation Notes:	Returned to compliance on 03/17/2016. No spill kit available at the time of the inspection. Provide spill kit by 3/21/16.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter

NORTH TAHOE STATION (Continued) **S103952148**

16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes: Returned to compliance on 03/13/2018. 2017 Monitoring Certification was conducted on 3/15/2017. A copy of the Monitoring Certification was not received by the CUPA until 7/26/2017. Be sure a copy of the Monitoring Certification is submitted to the CUPA within 30 days from the date of the Cert.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: 1) February 2018 Designated Operator report was not available at the time of the inspection. Provide at facility by 4/12/2018. 2) Employee Training must include hire date of employees.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Hazardous waste drum had a lid loosely placed on drum at the start of the inspection. Be sure drum lid is closed and secured at all times. Drum lid is missing a plug. Correct to properly secure contents in drum.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 04/21/2016. Did not observe a DO report for Feb (the DO report done in Feb was 10 days after the January report and does not meet the 30 day DO report requirements) or a DO report for March. Correct by 4/24/16. None of the current employees have been trained by the DO. Conduct training and maintain records on site.

NORTH TAHOE STATION (Continued) **S103952148**

	Comply by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Inspection report dated 3/15/2017 required a current Owner Statements of Desiganted Underground Stroage Tank Operator page to be updated in CERS. This violation has not been complied with. Correct no later than 4/12/2018. This is a repeat violation. Note: Observed updated form maintained on site. Must submit to CERS.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 03/25/2016. 91 spill bucket failed at the start of the inspection due to a leaking lid. Lid was replaced and bucket was retested and passed. Complied on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Notes:	Returned to compliance on 04/21/2016. Designated Operator listed for facility has not been with the company since mid-February. Obtain a new DO and submit proper paperwork to CERS by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	HSC 6.5 25123.3(c)25123.3(h)(1)(C) - California Health and Safety Code, Chapter 6.5 , Section(s) 25123.3(c)25123.3(h)(1)(C)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 12/06/2017. During routine inspection dated 3/15/2017, 3 drums were observed containing hazardous wastes without start accumulation dates written on them. Facility was given until 6/15/2017 to have all wastes removed from facility by a certified waste hauler. All three drums are still awaiting removal as of 11/6/2017. Per Gary, he reactivated the EPA ID but has not called a waste hauler to have wastes removed since the EPA ID was reactivated. Facility must have wastes removed by a certified waste hauler and provide a copy of the manifest to this office no later than 12/6/17 or reinspection fees shall apply and facility may be subject to additional enforcement action.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description:	Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes:	Returned to compliance on 03/25/2016. Only tag observed at the start of the inspection was on the diesel sump sensor. All tested equipment was tagged at the end of the inspection. Complied on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4

NORTH TAHOE STATION (Continued) **S103952148**

sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-13-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 03/13/2018. 1) Only observed October 2017 to current alarm logs. 2) Alarm logs were not complete. Be sure EVERY alarm is documented on the daily alarm logs as well as corrective actions taken.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5,

NORTH TAHOE STATION (Continued) **S103952148**

	Section(s) 25163(a)
Violation Description:	Failure to use a registered hazardous waste hauler to transport hazardous waste.
Violation Notes:	Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground. Discontinue practice immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 03/25/2016. Annual monitoring certification was due by 3/12/2016. Be sure monitoring certification for next year is on or before 3/12/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description:	Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes:	Returned to compliance on 03/25/2015. Board of Equalization number 44042661 expired 3/31/2009. Obtain a current BOE number within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years

NORTH TAHOE STATION (Continued) **S103952148**

	for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Returned to compliance on 04/24/2015. Facility has obtained two repair permits in the last few months, neither of which were observed maintained at the facility at the time of the inspection. Be sure to maintain repair records on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-04-2016
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 03/04/2016. 1) Turbine sensors were located on the wrong side of the turbine for the diesel and 87 sumps at the start of the inspection. Sensors were placed in the proper location at the time of the inspection. 2) 91 annular sensor was approximately one foot from the bottom of the tank. Bottom was determined by using a weighted string. Two feet of wire were added to the sensor at the time of the inspection and annular was retested. 91 annular went into alarm due to water in the annular. Red tag to remain on 91 fill bucket until water is removed and annular is no longer in alarm. Note: Diesel and 87 annular sensors were in the proper location at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	12-04-2015
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes:	Returned to compliance on 12/30/2015. Facility currently does not have a Designated Operator on record. Last Designated Operator was Belshire. Called Belshire at the time of the inspection and was informed that BJ Manning with CMSI called and canceled the service on 10-27-2015. Correct by 12-18-15. Load new Designated Operator information into CERS within 30 days from the hiring date of the Designated Operator.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes:	Returned to compliance on 03/04/2016. Per Designated Operator reports, L2, L4, L5, and L6 sensors went into alarm in December, L1, L6, L4, and L2 sensors went into alarm in January, and L4 and L6 sensors went into alarm in February. At the time of the reinspection, L2 and L4 sensors were still alarming. When the turbine sump was opened, liquid was observed at the bottom of the sump in the low areas and the sensor was on its side in the middle of the sump. Per the monitoring plan, alarms should shut down power to the pump. All turbines were operating at the time of the reinspection. This is a class 1 violation and may result in further enforcement action and reg tagging of facility's underground storage tanks. L1 - 87 Annular Sensor L2- Diesel Annular Sensor L3-91 annular Sensor L4 - 87 Sump Sensor L5- Diesel Sump Sensor L6-91 sump Sensor
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	11-06-2017
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Routine inspection report dated 3/15/17 required the monitoring plan to be updated to show the correct MLLD, FE Petro, by 4/14/2017. As of today, facility has not updated monitoring plan in CERS. Correct no later than 12/6/17 or a reinspection fee shall apply.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 03/13/2018. Dispenser 1/2 Diesel Bravo float failed at the start of the inspection. Float was cleaned, retested and passed at the time of the inspection. Dispenser 3/4 91 Bravo float failed at the start of the inspection. Float was cleaned, retested and passed at the time of the inspection.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 04/24/2015. Observed large amounts of dirt and debris in the bottom of all turbine sumps. Clean and properly maintain sumps. UDC under dispenser 3/4 failed secondary containment testing at the start of the inspection. Water was pumped out, tester found a cap that was not securely on. Cap clamp was tightened and UDC retested and passed at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description: Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 03/18/2014. 89 annular sensor wiring has gone bad and was not able to be replaced at the time of the monitoring certification testing, leaving the sensor in alarm. Wiring must be replaced and sensor retested within 7 days of this inspection, March 13, 2014. Provide this office with test results within 30 days from the testing day.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 04/17/2015. All three spill buckets failed at the time of the inspection. 91 product dropped from 9 3/8" to 9 1/2", 87 product dropped from 9 3/4" to 9 1/2", and diesel dropped from 10 1/8" to 9 7/8" at the time of the inspection. Tester to install new caps at retest.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792

NORTH TAHOE STATION (Continued) **S103952148**

Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Last Certificate of Financial Responsibility and Chief Finanacila Officer Letters in CERS expiredd 4/1/2017. CFR and CFO letters are required to be updated annually. Provide in CERS by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes:	2017 Monitoring Certification was not on site. Correct by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-13-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Update the site map to show the following: hazardous waste location (moved to the other side of the facility), evacuation route, product lines, spill kit located in side room. Correct by 4/12/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

NORTH TAHOE STATION (Continued) **S103952148**

Violation Description:	Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes:	Returned to compliance on 03/12/2015. Line leak detection failed on the 87 product line at the start of the inspection. Line was adjusted and met requirements of detecting a 3.0 gallon per hour leak at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	07-27-2015
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Not reported
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2015
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 04/24/2015. Facility's current Standard Underground Storage Tank Operating Permit expired on 4/13/2015. Facility is currently operating without a valid permit. A new Standard Operating Permit will not be issued until all violations listed have been corrected. Failure to correct violations may result in red tagging of the tanks and further enforcement action.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description:	Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment.
Violation Notes:	Returned to compliance on 03/12/2015. Bravo float and chain assembly did not spring correctly at the start of the inspection. Floats were cleaned of debris and in working status at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	02-09-2016
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 03/04/2016. Observed water in the bottom of the 87 turbine sump at the time of the inspection. Was not able to access any other sumps to verify the status at the time of the inspection. All water must be removed immediately and maintained as a hazardous waste.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 04/24/2015. SB989 testing was due no later than 12/3/2014. SB989 was partially tested today. Johnson Tank was not able to complete the piping secondary containment testing or the sump secondary containment testing due to hardened boots. Johnson testing to order new boots and contact this office to set up testing date. Secondary containment testing must be completed no later then 3/27/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	04-17-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Diesel and 91 sump and product piping failed at the time of the inspection due to leaking boots. Replace boots and retest by 5/17/18.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened

NORTH TAHOE STATION (Continued) **S103952148**

release of a hazardous material.

Violation Notes: Returned to compliance on 04/05/2016. No training records for current employees available at the time of the inspection. All employees must be trained annually and training records maintained on site for a minimum of 3 years. Correct by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-04-2016
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 03/04/2016. 91 annular sensor was approximately 1 foot from the bottom of the tank. When sensor was placed in the proper location sensor alarmed. Both the 87 and Diesel turbine sump sensors were on the wrong side of the sump. Sensors must be located at the lowest point in the sump on the product piping side. All sensors were placed in the proper location at the time of the inspection. Raised sensors, misplaced sensors, and bypassing sensors on the monitoring panel are considered tampering with the monitoring system. Note: all annular and sump sensors are programed for positive shutdown and were verified at the time of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-17-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/04/2016. 1) Observed 4 55 gallon drums in side yard. 3 of the 4 drums had labels. Green drum with no label was 1/2 full at the time of the inspection and the red drum had approximately 1 inch of waste in it. Green drum was labeled and a start date of 3/11/16 (date the 20+ gallons was pumped out of the annular space) was placed on drum at the time of inspection. 2) Facility is using a 5 gallon bucket for it’s solid waste container. Container is 3/4 full at the time of the inspection. All hazards waste containers must be closed and secured at all times. Provide a lid or a container that can be closed and secured. Provide waste label on solids container. Correct by 3/21/16.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION

NORTH TAHOE STATION (Continued) **S103952148**

Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct. Per Randy with Johnson Testing, he had to replace the 87 and 91 product sensors with like sensors on 2/23/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes:	Returned to compliance on 04/03/2015. List of trained employees has not been updated since 12/2013. Correct.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-06-2014
Citation:	23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes:	Returned to compliance on 03/18/2015. Designated operator information on file for Ronnie Lewis expired on 1/11/13. Provide this office with current DO information.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 04/24/2015. Facility did not have a copy of the Standard Underground Storage Tank Operating Permit available on site at the time of the inspection. Correct.
Violation Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 03/15/2017. Observed some water at the bottom of all sumps. Sump lids are in very poor condition and manhole enrty rings are cracked and broken, allowing water to easily enter the sumps. Observed numerous alarms due to water in the sumps. Correct so sumps do not take on water every time there is a storm event.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 04/03/2015. DO monthly inspection forms had tapes attached to them from months after the monthly report was completed. DO monthly inspections must be done monthly, including pulling the alarm log at the time of the inspection and attaching that to the report.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-28-2017
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Inspection dated 3/15/17 and reinspection dated 11/6/17 required the MLLD information to be updated in CERS. Reinspection report from 11/6/2017 required facility to update MLLD on the tank monitoring plan no later than 12/6/17 or a reinspection fee shall apply. At this time CERS has not been updated and facility will be receiving a reinspection fee. If CERS is not updated to reflect correct monitoring

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equipment by 1/27/2018, this office will be conducting another reinspection at that time and an additional reinspection fee shall apply.

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-04-2015
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 12/30/2015. Facility currently does not have a Designated Operator on record. Last Designated Operator was Belshire. Called Belshire at the time of the inspection and was informed that BJ Manning with CMSI called and canceled the service on 10-27-2015. Correct by 12-18-15. Load new Designated Operator information into CERS within 30 days from the hiring date of the Designated Operator.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: HSC 6.5 25187.6 - California Health and Safety Code, Chapter 6.5, Section(s) 25187.6
Violation Description: No person shall remove, transfer, or dispose of the hazardous waste until permission for removal, transfer, or disposal is given by an authorized agent.
Violation Notes: Returned to compliance on 03/09/2016. This office received a citizen's complaint that facility pumped water from turbine sumps onto the ground, about twenty feet from a storm drain. Per the Designated Operator reports from December, January, and February, sumps had 55 gallons + of water each in them. This was confirmed with the site manager, Melanie Payne, at the time of the reinspection. Facility only had approximately 75 gallons of waste water on site at the time of the inspection and the last manifest on site was from 8/5/2015. All wastes must be stored and transported per regulations. Only water that has been tested by a certified lab and shown to be non-hazardous can be released onto the ground with documentation. Discontinue practice immediately.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 11-06-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 09/05/2018. Routine inspection report dated

NORTH TAHOE STATION (Continued) **S103952148**

3/15/17 noted facility had changed Designated Operators and did not update the Designated Operator information in CERS as required. In looking over the Designated Operator reports on 11/6/17, facility has changed Designated Operators again without making the changes in CERS. Facility must submit a new Owner Statement of Designated Operator form in CERS by 12/6/17 or reinspection fees shall apply. Note: form was left with employee at the time of the reinspection.

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 02-09-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Returned to compliance on 03/17/2016. Facility is not currently maintaining alarm logs. This requirement was discussed with Melanie on 12/4/2015. Correct by 2/16/2016.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 10/20/2017. Facility's EPA ID# CAL000396266 went into inactive status on 6/30/2016. Facility must have an active EPA ID number for wastes to be hauled by a third party waste hauler. Reactivate ID by 4/14/2017.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Observed waste water drum on side of building with improper labeling (non-hazardous waste). Properly label drum with hazardous waste, contents, facility information, EPA ID number, start accumulation date, etc. Correct within 30 days. As of today, hazardous wastes on site has reached over 27 gallons. Be sure to put start accumulation date of 3/12/2015 on drum and have contents removed by a waste hauler within 90 days.

NORTH TAHOE STATION (Continued) **S103952148**

Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description: Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal.
Violation Notes: Returned to compliance on 04/28/2014. Wrong EPA ID number was used on last manifest. Correct.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-25-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 04/05/2016. None of the current employees have been trained by the DO. Conduct training and maintain records on site. Comply by 4/24/16.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 12-28-2017
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 06/07/2018. As documented on inspection report dated 3/15/17 and reinspection report dated, 11/6/17; sump lids were required to be replaced due to their poor condition. This office received the work plan and payment for replacement of sump lids as well as spill buckets, however work will not be completed until spring 2018 per contractor Mike Gerondakis due to TRPA permitting. Work must be completed no later than 5/31/2018.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION

NORTH TAHOE STATION (Continued) **S103952148**

Violation Date:	03-17-2016
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes:	Returned to compliance on 08/08/2016. Facility has been keeping daily alarm logs, however, facility has not been documenting all alarms. l1:87 annular went into alarm on 3/5/16 and 3/6/16 and was not noted on the alarm log. Any and all L sensors must be documented on the alarm log.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-25-2016
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 04/05/2016. Per employee, has not been trained on how to properly handle waste, how to label containers, how to call, etc. Be sure to go over waste generation procedures with all employees when they are hired. Correct by 4/24/16.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 03/27/2015. Current facility site map is vague and does not include the required information. Submit a current site map showing the following information: location of tanks and tank products, piping, sumps, monitoring locations, sensor locations, consoles, strom drain locations, etc. Inspector dropped off a corrections list to the facility dated 2/26/2015 requiring site map to be updated and resubmitted to CERS by 3/27/2015. Comply.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	138792
Site Name:	NORTH TAHOE STATION
Violation Date:	03-12-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 04/03/2015. Veeder Root panel was not

NORTH TAHOE STATION (Continued) **S103952148**

activating an audible alarm at the time of the inspection. Only a visual (blinking red alarm light on the console) light was being activated at the time of the inspection. Correct.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-15-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 09/05/2018. Per Designated Operator monthly reports, Designated Operator changed in May of 2016 to Shawn Rodriguez. Whenever there is a change in operation, including the Designated Operator, facility is required to update CERS within 30 days from the date of the change. Provide an updated "Owner Statements Of Designated Underground Storage Tank Operator and Understanding of and Compliance with UST REquirements" form to CERS no later than 4/14/2017.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-12-2015
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Only training observed on site was the Designated Operator training for the underground storage tanks. Be sure employees are trained on proper waste handling procedures: what to do if there is a release, how to properly handle hazardous wastes, etc. Document trainings and maintain documentation on site. Correct within 30 days.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Violation Date: 03-06-2014
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 04/28/2014. Per last manifest from RDO, facility is using wrong EPA ID #. CAL0000341966 is for a facility located in South Lake Tahoe. Refrain from using this ID number. The number listed on the EPA website for this facility is CAC002593242 but has been inactivated. Reactivate ID # or obtain a new number but discontinue use of wrong number immediately. Provide reactivation or new number confirmation to this office within 30 days.
Violation Division: Placer County Environmental Health
Violation Program: HW

NORTH TAHOE STATION (Continued) **S103952148**

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-12-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: monitoring and sb 989 testing ran over. Returned to the office at 6:12, flexed 6 minutes on 3/13/2015. Was accompanied by Will Speth with the State Water Board - enforcement branch.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Hazardous Material Business Plan inspection on site, consented by Sharman Kumar. Business Plan was last submitted to CERS on 3/6/2017. Business Plan must be submitted every 365 days. Correct by 4/12/2018. Update site map to show actual location of hazardous wastes, product lines, all spill kits, and evacuation routes in CERS by 4/12/2018.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-14-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection for 91 annular, consented by Sam. Was not able to remove Red Tag due to water still being in the annular and sensor alarming. Facility to pull a permit with this office for any repair work required to get annular space fixed. Verified Red Tag still on the 91 fill pipe. Note: monitoring certification was due by 3/12/16.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Gaurav Singh. Business Plan is reflective of chemicals stored at the facility.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site,

NORTH TAHOE STATION (Continued) **S103952148**

consented by Gaurav Singh. Inspection was conducted in conjunction with annual monitoring certification testing, preformed by Mike Gerondakis. All required certifications observed prior to start of monitoring certification testing. The following must be updated in CERS by 4/1/2016 for compliance: -Certificate of Financial Responsibility -Letter from Chief Financial Officer Employee training is due by 3/31/2017. Provide Owner Statement of Designated Operator to CERS by 4/14/2017. 87 sump sensor was in alarm at the start of the inspection due to water in the junction box. Observed some water at the bottom of all sumps. Sump lids are in very poor condition and manhole rings are cracked and broken, allow water to easily enter the sumps. Observed numerous alarms due to water in the sumps. Correct so sumps do not take on water every time there is a storm event. All sensors, MLLD's, [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection of facility's 91 annular space, consented by Gaurav. Met with Franzen-Hill technician Russell French on site. Per Russell, he removed approximately 2.5 gallons of water from the interstitial on 3/16/16 and then did a vacuum test to verify the annular space is tight. Russell removed approximately a quart of water from the interstitial on 3/17/16 and verified preformed a second vacuum test for this office to verify. Observed annular hold at 10 psi for 62 minutes. Removed red tag number 2342 at the time of the inspection. Per the inventory report, 91 premium tank has 387 gallons in the tank. Ok to call for a fuel delivery.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted re-inspection on site, consented by Suriender Kumar, to observed the testing of the SB989 and retesting of the spill buckets: Re-inspection for spill bucket and SB989 testing only. Testing done by Randy Johnson. Replacement pipe boots ordered by Randy do not fit the piping. Randy has ordered new boots and will schedule the SB989 test for turbine sumps and piping sometime next week. Retested the spill buckets with new caps. All three spill buckets do not hold the required five gallons. Spill buckets must be replaced and a repair permit must be obtained from this office. This repair must be completed before 4/12/15 or the UST Operating Permit will not be reissued. Sumps must be cleaned of all dirt and debris. Facility's Standard Underground Storage Tank Operating Permit expires on 4/13/2015. Permit will not be reissued until all violations and repair permits have been corrected/completed.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

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Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Richard. Observed most current copy of the Business Plan maintained on site. Employees are not able to access CERS so a paper copy of the plan is required. Next CERS resubmittal is due no later than 12/30/2016. Be sure all employees are trained annually and that training records are maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-11-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	reinspection. violations have not been corrected at this time
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-22-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Stopped by facility to see if paperwork was on site and other violations corrected
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-24-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection of Underground Storage Tank inspection on site, consented by Corrina Grubb. Observed secondary containment testing for the 91 product piping, 91 turbine sump, and diesel turbine sump with Randy Johnson. All tests passed at the time of the inspection. Sumps have been cleaned of debris. Randy Johnson still to paint inside of sumps and piping to deter rust. Observed repair permits maintained on site. Dispenser 4 gas hose replaced. Facility has complied with all outstanding violations. A new Standard Underground Storage Tank Operating Permit will be issued.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspection for change in facility operator only. Annual routine Hazardous Material Business Plan inspection was conducted in April, 2015. Facility operator changed on 10/30/2015 from CMSI to Tahoe

NORTH TAHOE STATION (Continued) **S103952148**

Station Inc. Stopped by facility and discussed the need to update all contact information in CERS and the Designated Operator on 11/3/2015. Facility has not updated CERS within to 30 days of changes to personnel/operations as regulations require. Correct by 1/3/2016 or enforcement action shall occur.

Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-28-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection for open violations noted on routine inspection report dated 3/15/17 and reinspection report dated 11/6/2017: 1) Per Mike Gerondakis, contractor hired to replace sump lids and spill buckets, TRPA will not issue a permit until spring. This office has received a work plan and permit fees. All work must be completed no later than 5/31/2018. Be sure all alarms are properly documented on the daily alarm log, in the Designated Operator monthly reports, and water is promptly pumped out of sumps, stored in properly labeled and secured drums, and removed in the required time frame. 2) Designated Operator information has not been updated in CERS as required and noted in both the routine inspection conducted on 3/15/17 and the reinspection conducted on 11/6/17. A reinspection fee will be applied to this inspection. Updated Designated Operator information in CERS no later than 1/27/18. 3) Monitoring Plan has not been updated in CERS to reflect equipment [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted a reinspection on site, consented by Melanie Payne, in response to a citizen’s complaint of facility pumping waste water onto ground that flows directly into a storm drain. Per investigation, determined that facility did not have the amount of waste water stored on site that was documented to have accumulated in the Designated Operator’s reports from December 2015 - February 2016. No start accumulation dates were observed on the hazardous waste containers at the time of the inspection. Discontinue unauthorized releases of hazardous waste immediately. This is a class 1 violation and may result in further enforcement action and reg tagging of facility’s underground storage tanks.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan on site, consented by Joe. Did not observe all required paperwork for the

NORTH TAHOE STATION (Continued) **S103952148**

Hazardous Material Business Plan being maintained on site, correct. Facility must submit HMBP and UST information into CERS within 30 days of this inspection report. Please log onto the CERS website and submit your facility information at www.cers.calepa.ca.gov/business. The CERS's ID for this facility is 10205815. Please contact this office at 530.581.6249 to set up an appointment to get the submittal into CERS if need be.

Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Joe. Observed one drum with label and a small amount of waste water from sumps at the time of the inspection. Observed floor sweep/clean up material. Be sure to obtain an active EPA ID number specific to this site. Submit all hazardous material information into the CERS system.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Suriender Kumar. Monitoring certification and partial SB 989 testing done by Johnson Testing. Per Raman Singh, owner is contracting with a new Designated Operator starting on 3/13/2015. Be sure to update DO information to CERS within 30 days of the change, no later then 4/30/2015. Note: a DO form was left at the facility at the time of the inspection. Change mid grade product ring to diesel product identification ring in fill port. Change the chemical inventory in CERS to reflect diesel fuel. Observed DO current certifications maintained at facility.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Sharman Kumar. All noted violation must be corrected no later than 4/12/2018. On site to witness Monitoring Certification testing, conducted by Mike Gerondakis. Observed the testing of all annulars, MLLDs, Bravo Boxes, spill buckets, and sump sensors. Observed all tested equipment stickered and placed in the proper location at the end of testing. SB989 testing to occur on March 20, 2018. Be sure to provide a copy of the Monitoring Certification to this office no later than 4/12/2018. Note: DO, CFO, and CFR forms were left at the facility at the time of the inspection.

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Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of facility Conditionally Exempt Small Quantity Waste Generation on site on 3/14/2016, consented by Sam. Observed waste manifest from 3/9/16 from RDO. Observed 1 55 gallon drum and waste solids container unlabeled at the time of the inspection. Observed solid waste container without a lid. All waste containers must be closed and secured at all times. Observed a sheen on the ground by the green dru. Clean and place waste in solids container. Correct violations by 3/21/2016.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-17-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted re-inspection on site to observed replacement of all three spill buckets, diesel tank conversion repair work, and SB989 testing for all product piping and turbine sumps, consented by Sahil Singh. Observed replacement and retest of all three spill buckets. All buckets passed at the time of inspection. Provide this office with a copy of the monitoring certification within 30 days of this inspection report. Hose for gas on dispenser 4 has not been replaced. Correct by 4/24/2015. Observed the capping of the vapor piping for the middle tank, completely the conversion from mid-grade to diesel. Diesel fuel may now be administered by the facility. Mike Gerondakis is to provide this office with piping schematics for tanks within 30 days of this report. Debris has not been removed from sumps. Correct. Secondary product piping lines were not able to be tested on 91 tank. Retest is scheduled for 4/22/2015. Turbine sump for 91 product tank was not able to be [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for violations noted on inspection reports dated 3/12/2015 and 7/27/2015, consented by Brandi Dalton. All violations have been corrected. Observed waste manifests from 8/5/2015. Wastes were transported by Belshire. Observed new waste drums with secure lids and proper labeling. Note: no wastes were in the drums at the time of the inspection. Hazardous waste handling and training is being done during the designated operator training and records maintained on site. As noted on inspection report from 7/27/15, fire extinguisher was serviced in October 2014. Be sure to get extinguishers service annually.

NORTH TAHOE STATION (Continued) **S103952148**

Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-09-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted a reinspection of facility's Underground Storage Tank system on site, consented by Melanie Payne. Observed VeederRoot alarming for the Diesel Annular and 87 turbine sump at the time of the inspection. All turbines were operating at the time of the inspection even though the sensors were in alarm. Per Melanie, alarm has been going off for a long time. Facility is not maintaining alarm logs. Observed water in all spill buckets and in 87 sump at the time of the inspection. Was not able to gain access to the diesel or 91 product sumps to verify that they were free of liquid and sensor location. Facility is out of compliance with numerous class 1 violations and may result in further enforcement action and reg tagging of facility's underground storage tanks.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-06-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual UST inspection on site, consented by Joe. Inspection was conducted during annual monitoring certification testing, done by Randy Johnson. Observed required technician certifications. 89 annular sensor wiring must be replaced and sensor retested within 7 days from this inspection. 87 sump sensor failed at the start of the testing. Sensor was changed out and retested, passed. Be sure to maintain all required paperwork on site. Submit all facility information into the CERS system within 30 days.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-12-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Suriender Kumar. Be sure to properly label hazardous waste containers at all times. Be sure to properly close and secure waste containers at all times. Train all employees on how to handle hazardous wastes and maintain records at facility.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency

NORTH TAHOE STATION (Continued) **S103952148**

Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Gaurav Singh. EPA ID number has been inactivated. Correct. Once facility reached 27 gallons of total waste a start accumulation date must be posted on the container labels. Be sure this gets completed and wastes are removed by a certified waste hauler before 6/15/2017. All containers were closed and secured at the time of the inspection. Observed waste manifests being maintained on site for 3+ years. Some waste container labels are faded so as they are barely visible. Replace or darken.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-11-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection for UST violations from 3/3/2014, consented by Suriender Kumar. Spoke with Randy Johnson (Johnson Testing Company) on 3/18/2014. He verbally verified that he fixed the wiring and retested the 89 annular sensor. Inspector informed Mr. Johnson that this office must be notified of any work done and witness retesting. Relieved incomplete monitoring certification results from Mr. Johnson. He is to correct and provide a complete copy to this office by May 10, 2014 for compliance. No Unidoc forms observed at the time of the reinspection. Must maintain paperwork on site by 4/21/2014 or enforcement action may occur. Designated Operator paperwork on site has not been updated as of 4/11/2014 and is still showing Ronnie Lewis. Provide appropriate paperwork/certification copies for Corey Johnson by 4/21/2014. Note: During reinspection, inspector looked through monthly DO reports more throughly. Alarm logs attached to reports are from after the [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-17-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site to witness SB989 testing with Mike Gerondakis. For routine annual inspection, see report dated 3/13/18. Both the diesel and 91 product line and turbine sumps failed at the time of the inspection due to leaking boots. Replace boots and retest by 5/17/18. Annular space passed for all three tanks at 6 psi for one hour. UDC containment 1/2 passed. UDC 3/4 failed the Caldwell test initially, however it passed when tested again. Product pipe and sump passed for 87 product tank. Product pipe was tested at 5 psi for one hour, sump tested with Caldwell test for half hour. Product piping was tested to
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency

NORTH TAHOE STATION (Continued) **S103952148**

Eval Notes:	Inspection for change in facility operator only. Annual routine Underground Storage Tank inspection was conducted during the annual monitoring certification in April, 2015. Facility operator changed on 10/30/2015 from CMSI to Tahoe Station Inc. Stopped by facility and discussed the need to update all contact information in CERS and the Designated Operator on 11/3/2015. Upon review of the Designated Operator book, facility does not appear to have a current DO for the site. No DO monthly inspection report available for November. Called Belshire, the last DO on file. Per Nicole Magner with Belshire, BJ Manning of CMSI called and canceled the service on 10/27/2015. Hire a Designated Operator immediately. Designated Operator must train all facility personnel. Note: facility has one existing employee from when CMSI was operating the store. This employee has been trained by Belshire and records are available at the facility. Upload current Designated [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-28-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for open violations noted on the routine inspection report conducted on 3/15/2017 and reinspection report conducted on 11/6/2017: This office received a faxed copy of a waste manifest from Asbury Environmental Services for the pickup of four waste water drums on 12/6/2017. At the time of reinspection, employee could not find a copy of the manifest, only the service order from AES. Facility will receive the original manifest back, signed by the Designated Facility within 30 days from the date the wastes were picked up. Be sure to keep the Designated Facility signed copy for a minimum of 3 years. If facility does not received the manifest signed by the Designated Facility back within 45 days (and the Designated Facility must have signed the form within 30 days of waste pickup), facility must provide a report to DTSC. Verified drums have been removed from facility by as required in reinspection report dated 11/6/2017. Observed two empty 55 gallon drums [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	reinspection to verify DO reports are being done. Pictures taken of Dec and Jan DO reports. Reports state employees have been trained but no training records on file due to DO not having required paperwork at the time of the training (he did not know he was going to be the DO until on site).
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-04-2016

NORTH TAHOE STATION (Continued) **S103952148**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	witnessed monitoring cert for all sump and annular sensors, pulled red tags, comments in ec, sent update to Will Speth
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-04-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection on site to remove Reg Tags, consented by Raman. 91 annular was observed approximately 1' above the bottom of the annular space. When sensor was placed in the proper location it went into alarm due to water in the annular. Red Tag was not removed at the time of the inspection. Once water has been removed and sensor is no longer alarming, facility may call this office to set up another reinspection to verify compliance before the Red Tag can be removed. Turbine sump sensors for the 87 and diesel sumps were not in the proper location at the start of the inspection. Sensor location was corrected at the time of the inspection. All annular and turbine sump sensors were working and programed for positive shut down at the time of the reinspection. Red Tag number 0343 on the 87 fill line was removed by Placer County Environmental Health Specialist Molly Murphy at the time of the inspection. Observed alarm logs on site. Facility started [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Sharman Kumar. Be sure all employees that handle hazards wastes are trained on proper disposal, labeling, etc. Be sure wastes are hauled within 180 days from the start accumulation date (27 gallons of waste). Observed wastes manifests maintained on site for 3+ years.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generation inspection on site, consented by Richard. Observed all waste containers properly closed and labeled. Waste has a start accumulation date of 3/11/2016. Be sure all wastes, solid and liquid, are removed from the facility by a certified waste hauler within 90 days of the start accumulation date. Observed spill kit available. Observed waste manifests from the last three years maintained on site.
Eval Division:	Placer County Environmental Health

NORTH TAHOE STATION (Continued) **S103952148**

Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Richard. Next routine inspection is due no later than 3/12/2017. Monitoring Certification done by Johnson Testing. Observed all sensors and line leak detector pass at the time of the inspection. Observed all spill buckets pass by the end of the inspection. 91 spill bucket originally failed due to leaking lid. Lid was replaced at the time of the inspection, bucket re-tested and passed. Middle Bravo float in UDC 1/2 stuck due to debris but passed once cleared. Observed all sensors, line leak detectors, and bravo floats tagged with technician's initials and todays date. All sumps and spill buckets were free of liquid and debris. 91 and 87 sumps have corrosion around the piping. Clean by 4/24/2016. Facility needs to submit the following paperwork into CERS by 4/24/16 for compliance: Owner Statement of Designated UST Operator Certificate of Financial Responsibility [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-03-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site to conduct re-inspection of secondary containment testing only for the sumps and the product line. Consented by Suriender Kumar. New boots were installed on the product line secondary containment pipes. All three boots leaked at the time of the inspection. Randy Johnson to reset boots. All three product sumps failed secondary containment testing at the time of inspection due to improperly sealed electrical boxes. Water was flowing from the 91 product sump to the other two sumps. Corrections and retesting due by April 17, 2015. If electrical boxes need to be replaced, facility must obtain a repair permit from this office prior to any work being done. Note: Observed Designated Operator employee training records maintained on site. All employees were trained on 3/17/2015. Audible and visual alarm verified at the time of the re-inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-11-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of Conditionally Exempt Small Quantity Generator, consented by Suriender Kumar. Per the California Department of Toxic Substances Control website, facility has not either reactived old EPA ID number or requested a new number. Correct by 4/21/2014. Be sure to put current EPA ID number on all waste manifests from now on as the tracking number must be site specific.

NORTH TAHOE STATION (Continued) **S103952148**

Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-23-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection on 4/21/2014, consented by Suriender Kumar. Observed Unidoc paperwork on site at the time of the reinspection. Facility submitted required paperwork into the California Environmental Reporting System on 4/23/2014. During reinspection went through Designated Operator binder. As of 4/21/2014, no monthly reports for March 2014 or April 2014 have been completed and filed in binder. Have not received completed Designated Operator certification form as of 4/24/2014. A completed form must be submitted to this office by Friday, 5/2/2014. Due to violations not being corrected by 4/21/2014, a reinspection fee of $343 will apply.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-23-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted revisit inspection on 4/21/2014. At the time of reinspection, observed a copy of the Hazardous Material Business Plan maintained on site. No CERS entry had been submitted. Met with Jagroop Singh in the County office on 4/23/2014 to enter and approve the facility information into CERS. Since this information was not submitted on or before 4/21/2014, a reinspection fee of $343 will be billed to the facility. As of 4/23/2014, all Hazardous Material Business Plan violations have been corrected.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-28-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of facility on 4/21/2014 to verify correction of violations cited during routine inspection on 3/6/2014. Consented by Suriender Kumar. Received unsigned application for an EPA ID number on 4/16/2014. Called DTSC on 4/21/2014 to verify they received the application. Per DTSC employee, no application had been submitted. If the application was submitted without a signature it is not processed. Discussed problem with Jagroop Singh during office visit on 4/23/2014. EPA ID application was resubmitted to DTSC and a copy to this office on 4/24/2014. New EPA ID # CAL000396266. Be sure this number is on all waste container labels and is updated into the CERS system.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown

NORTH TAHOE STATION (Continued) **S103952148**

Eval Date:	06-06-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Construction inspection for new spill buckets and manhole covers: Observed spill bucket test for 87, 91, and diesel. All buckets hold 5 gallons passed at the time of inspection. Investigated piping on west side of all three tanks. Confirmed piping is a straight drop to the annular space. Current annulars are located at the east end of the tanks and are sloped, making sensor placement a challenge. Mike G to lay conduit out for possible future annular use of the west pipes. Mike G to replace electrical wiring to annulars and sumps. Contact Placer County Building Department for an electrical permit. Provide drawings of conduit layout. OK to concrete in manhole covers.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-27-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reinspection for violations noted on inspection report dated 3/12/15: None of the violations listed in inspection reported dated 3/12/2015 have been corrected despite this office working with new staff in April to help correct violations. Observed 2 55 gallon drums of waste water. The metal drum is full and has an unsecured lid on the top. The plastic drum is over half full with a secure lid, however, there is a plug missing on on top of the drum. Neither drum is labeled. Fire extinguisher was last served in October 2014. Employees must be trained on response procedures and hazardous waste handling at the time of hire. Facility has 30 days to correct violations or a reinspection fee and further corrective action may apply. Note: Pictures of hazardous waste containers taken at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-06-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection for open violations noted on routine inspection report dated 3/15/17: 1) Routine inspection report dated 3/15/17 required sump lids to be replaced so as they do not leak. A contractor has been in contact with this office regarding replacing the top of the sumps and spill buckets but as of 11/6/17 work plan and payment have not been submitted to this office. Correct by 12/6/17 or a reinspection fee shall apply. 2) Routine inspection report dated 3/15/17 noted facility had changed Designated Operators and did not update the Designated Operator information in CERS as required. In looking over the Designated Operator reports on 11/6/17, facility has changed Designated Operators again without making the changes in CERS. Facility must submit a new Owner Statement of Designated Operator form in CERS by 12/6/17 or reinspection fees shall apply. Note: form was left with employee at the time of the reinspection. 3) Routine inspection report dated 3/15/17 [Truncated]

NORTH TAHOE STATION (Continued) **S103952148**

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-06-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection for open violations noted on the routine inspection conducted on 3/15/2017: During routine inspection dated 3/15/2017, 3 drums were observed containing hazardous wastes without start accumulation dates written on them. Facility was given until 6/15/2017 to have all wastes removed from facility by a certified waste hauler. All three drums are still awaiting removal as of 11/6/2017. Per Gary, he reactivated the EPA ID but has not called a waste hauler to have wastes removed since the EPA ID was reactivated. Facility must have wastes removed by a certified waste hauler and provide a copy of the manifest to this office no later than 12/6/17 or reinspection fees shall apply and facility may be subject to additional enforcement action. Notes: Observed faded labels on all drums. Be sure labels can be clearly read at all times. EPA ID was reactivated on 10/20/2017. Provide this office with a copy of the waste manifest no later than 12/6/2017 or [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 02-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD

NORTH TAHOE STATION (Continued) **S103952148**

Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-16-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Red Tagging all USTs due to SOC and imminent health hazard violations. Regular 87 tank, red tag # 0343. Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, 87 tank had 1083 gallons in it per the inventory report. Pulled Red tag on 3/4/16. Per inventory report, 87 tank had 508 gallons at the time of tag removal.
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-16-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Red tagging all USTs on site due to SOC and imminent threat violations. 91 tank, red tag # 2342. Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, 91 tank had 964 gallons in it per the inventory report. Removed Red Tag on 3/14/2016. There was 387 gallons of premium in the tank at the time of red tag removal.
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-16-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Red tagging all USTs on site due to SOC and imminent threat violations. Diesel tank, red tag # 0348.Spoke with Raman (owner) at the time of the reg tag via phone. Informed him that all listed violations must be corrected before the reg tag can be removed. At the time of the red tag, the diesel tank had 2011 gallons in it per the inventory report. Pulled Red Tag on 3/4/16. Per inventory report, there was 1842 gallons in the tank at the time of Red Tag removal.
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD

NORTH TAHOE STATION (Continued) **S103952148**

Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	03-04-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	03-06-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	03-06-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	03-12-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	03-12-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-15-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-17-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-17-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

NORTH TAHOE STATION (Continued) **S103952148**

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 03-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-03-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Date: 04-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-17-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Sent NOV, both cert and first class. Cert mail # 70150640000513824837 4/28/17: received NOV back - unable to be delivered. Checked address. EC had wrong address under the owner (PO Box 2780 instead of 2480). Updated in EC and resent letters first class and certified (Cert 70150640000513824844).
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION
Site Address: 8070 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 04-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Sent NOV, both cert and first class. Cert mail # 70150640000513824837 4/28/17: received NOV back - unable to be delivered. Checked address. EC had wrong address under the owner (PO Box 2780 instead of 2480). Updated in EC and resent letters first class and certified (Cert 70150640000513824844).
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 138792
Site Name: NORTH TAHOE STATION

NORTH TAHOE STATION (Continued) **S103952148**

Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	04-23-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	04-23-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	07-27-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	12-04-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	138792
Site Name:	NORTH TAHOE STATION
Site Address:	8070 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	12-04-2015
Enf Action Type:	Notice of Violation (Unified Program)

NORTH TAHOE STATION (Continued) **S103952148**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Raman Singh
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: NORTH TAHOE MOBIL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: Raman Singh
Entity Title: Not reported
Affiliation Address: PO Box 2480
Affiliation City: Kings Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96143
Affiliation Phone: (530) 307-0002

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO BOX 2480
Affiliation City: KINGS BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: Not reported

Affiliation Type Desc: UST Permit Applicant
Entity Name: jagroop singh
Entity Title: Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 318-9350

NORTH TAHOE STATION (Continued) **S103952148**

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO Box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300

Affiliation Type Desc:	Environmental Contact
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	po box 2480
Affiliation City:	Kings Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002

Affiliation Type Desc:	Property Owner
Entity Name:	TAHOE STATION ,INC
Entity Title:	Not reported
Affiliation Address:	2304 LAKE TAHOE BLVD
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96150
Affiliation Phone:	(530) 307-0002

Affiliation Type Desc:	Identification Signer
Entity Name:	raman singh
Entity Title:	MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

NORTH TAHOE STATION (Continued) **S103952148**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Raman Singh
Entity Title:	Not reported
Affiliation Address:	PO BOX 2480
Affiliation City:	KINGS BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 307-0002
Affiliation Type Desc:	Operator
Entity Name:	SINGH, RAMAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 307-0002

D39 **BEACON 3601** **LUST** **S105024291**
ESE **8070 NORTH LAKE BLVD** **HIST CORTESE** **N/A**
< 1/8 **KINGS BEACH, CA 96143** **Notify 65**
0.005 mi. **CERS**
24 ft. **Site 7 of 10 in cluster D**

Relative: **Lower**

Actual: **6241 ft.**

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100319
Global Id:	T0606100319
Latitude:	39.237529101
Longitude:	-120.0299942
Status:	Completed - Case Closed
Status Date:	05/11/2010
Case Worker:	JEB
RB Case Number:	6T0010A
Local Agency:	PLACER COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0606100319
Contact Type:	Regional Board Caseworker
Contact Name:	JAMES BRATHOVDE
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 LAKE TAHOE BLVD
City:	SOUTH LAKE TAHOE
Email:	jbrathovde@waterboards.ca.gov
Phone Number:	Not reported

BEACON 3601 (Continued) **S105024291**

Global Id: T0606100319
Contact Type: Local Agency Caseworker
Contact Name: West Bourgault
Organization Name: PLACER COUNTY
Address: 3091 County Center Drive, Suite 180
City: Auburn
Email: wbourgau@placer.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0606100319
Action Type: RESPONSE
Date: 04/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 02/02/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 07/31/2006
Action: Monitoring Report - Other

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 06/01/2005
Action: Site Visit / Inspection / Sampling

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 04/15/2004
Action: * Historical Enforcement

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 04/19/2004
Action: * Historical Enforcement

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 09/20/2001
Action: Staff Letter

Global Id: T0606100319
Action Type: Other
Date: 06/27/1983
Action: Leak Reported

Global Id: T0606100319
Action Type: RESPONSE

BEACON 3601 (Continued) **S105024291**

Date: 05/01/2015
Action: Other Report / Document - Regulator Responded

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 07/11/2007
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 04/13/2001
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 02/02/1999
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 10/19/1998
Action: Notification - Proposition 65

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 05/08/2002
Action: Staff Letter

Global Id: T0606100319
Action Type: RESPONSE
Date: 02/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 08/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 10/16/1998
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 10/09/1998
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

BEACON 3601 (Continued) **S105024291**

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 02/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 08/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 06/27/2007
Action: Other Workplan

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/15/2001
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/15/2008
Action: Monitoring Report - Other

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 02/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE

BEACON 3601 (Continued) **S105024291**

Date: 08/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 01/05/2007
Action: Other Report / Document

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/15/2006
Action: Monitoring Report - Annually

Global Id: T0606100319
Action Type: RESPONSE
Date: 08/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 12/09/1998
Action: Notice to Comply

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 07/18/2001
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 11/29/2001
Action: * Verbal Communication

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 03/11/1999
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 11/09/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0606100319
Action Type: REMEDIATION
Date: 10/27/1998
Action: Pump & Treat (P&T) Groundwater

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 05/03/2010
Action: Closure/No Further Action Letter

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/22/2006
Action: Monitoring Report - Other

BEACON 3601 (Continued) **S105024291**

Global Id: T0606100319
Action Type: RESPONSE
Date: 02/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 08/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 06/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 02/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 04/05/2002
Action: Other Report / Document

Global Id: T0606100319
Action Type: RESPONSE
Date: 08/01/2005
Action: Remedial Progress Report

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 05/13/1998
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 08/28/1998
Action: Staff Letter

Global Id: T0606100319
Action Type: REMEDIATION
Date: 03/19/2003
Action: Soil Vapor Extraction (SVE)

Global Id: T0606100319
Action Type: RESPONSE

BEACON 3601 (Continued) **S105024291**

Date: 11/01/2002
Action: CAP/RAP - Other Report

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 08/17/2001
Action: Site Visit / Inspection / Sampling

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 10/27/2006
Action: 13267 Monitoring Program

Global Id: T0606100319
Action Type: REMEDIATION
Date: 05/01/2007
Action: Not reported

Global Id: T0606100319
Action Type: REMEDIATION
Date: 06/07/2007
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0606100319
Action Type: Other
Date: 06/27/1983
Action: Leak Began

Global Id: T0606100319
Action Type: Other
Date: 06/27/1983
Action: Leak Discovery

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/24/2003
Action: Remedial Progress Report

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 12/26/2006
Action: 13267 Monitoring Program

Global Id: T0606100319
Action Type: RESPONSE
Date: 01/01/2003
Action: Other Workplan

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/17/2004
Action: Remedial Progress Report

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/17/2004
Action: Monitoring Report - Quarterly

BEACON 3601 (Continued) **S105024291**

Global Id: T0606100319
Action Type: RESPONSE
Date: 02/26/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 05/17/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/25/2002
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 11/24/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 08/11/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: RESPONSE
Date: 09/11/2003
Action: Remedial Progress Report

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 01/15/2003
Action: * Verbal Communication

Global Id: T0606100319
Action Type: RESPONSE
Date: 01/11/2004
Action: Remedial Progress Report

Global Id: T0606100319
Action Type: RESPONSE
Date: 01/11/2004
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 11/15/2002
Action: * Verbal Communication

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 07/08/2003
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT

BEACON 3601 (Continued) **S105024291**

Date: 11/12/1998
Action: Staff Letter

Global Id: T0606100319
Action Type: Other
Date: 06/27/1983
Action: Leak Stopped

Global Id: T0606100319
Action Type: RESPONSE
Date: 08/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 05/08/2002
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 04/15/2001
Action: * Verbal Communication

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 01/12/2001
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 02/25/2002
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 12/31/2003
Action: * Verbal Communication

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0606100319
Action Type: ENFORCEMENT
Date: 04/07/2004
Action: * Historical Enforcement

LUST:
Global Id: T0606100319
Status: Completed - Case Closed
Status Date: 05/11/2010

Global Id: T0606100319
Status: Open - Case Begin Date
Status Date: 06/27/1983

BEACON 3601 (Continued) **S105024291**

Global Id: T0606100319
Status: Open - Remediation
Status Date: 09/21/1998

Global Id: T0606100319
Status: Open - Remediation
Status Date: 10/27/1998

Global Id: T0606100319
Status: Open - Remediation
Status Date: 10/29/1998

Global Id: T0606100319
Status: Open - Remediation
Status Date: 09/14/1999

Global Id: T0606100319
Status: Open - Remediation
Status Date: 05/22/2001

Global Id: T0606100319
Status: Open - Remediation
Status Date: 12/14/2001

Global Id: T0606100319
Status: Open - Remediation
Status Date: 04/10/2002

Global Id: T0606100319
Status: Open - Remediation
Status Date: 05/16/2003

Global Id: T0606100319
Status: Open - Remediation
Status Date: 09/08/2003

Global Id: T0606100319
Status: Open - Remediation
Status Date: 12/26/2003

Global Id: T0606100319
Status: Open - Remediation
Status Date: 04/05/2004

Global Id: T0606100319
Status: Open - Remediation
Status Date: 05/03/2004

Global Id: T0606100319
Status: Open - Remediation
Status Date: 07/25/2005

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 06/11/1998

Global Id: T0606100319

BEACON 3601 (Continued) **S105024291**

Status: Open - Site Assessment
Status Date: 06/18/1998

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 08/12/1998

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 08/21/1998

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 12/01/1998

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 12/22/1998

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 12/30/1998

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 02/19/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 02/25/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 03/08/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 03/29/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 04/20/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 04/30/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 05/26/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 06/10/1999

Global Id: T0606100319
Status: Open - Site Assessment

BEACON 3601 (Continued) **S105024291**

Status Date: 06/21/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 08/18/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 08/19/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 10/28/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 10/29/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 11/02/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 12/16/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 12/27/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 12/30/1999

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 02/24/2000

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 03/15/2000

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 05/08/2000

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 07/28/2000

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 11/01/2000

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 03/02/2001

BEACON 3601 (Continued) **S105024291**

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 03/21/2001

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 05/01/2001

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 06/01/2001

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 11/01/2001

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 02/04/2002

Global Id: T0606100319
Status: Open - Site Assessment
Status Date: 04/19/2004

Global Id: T0606100319
Status: Open - Verification Monitoring
Status Date: 07/29/2002

HIST CORTESE:
Region: CORTESE
Facility County Code: 31
Reg By: LTNKA
Reg Id: 6T0010A

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

CERS TANKS:
Site ID: 187585
CERS ID: T0606100319
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: West Bourgault - PLACER COUNTY
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive, Suite 180
Affiliation City: Auburn
Affiliation State: CA

BEACON 3601 (Continued) **S105024291**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JAMES BRATHOVDE - LAHONTAN RWQCB (REGION 6T)
Entity Title:	Not reported
Affiliation Address:	2501 LAKE TAHOE BLVD
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

D40 **NORTH TAHOE PUD** **AST** **A100338147**
ESE **8070 NORTH LAKE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA**
0.005 mi.
24 ft. **Site 8 of 10 in cluster D**

Relative: **Lower**

Actual: **6241 ft.**

AST:

Certified Unified Program Agencies:	Placer
Owner:	NORTH TAHOE PUD
Total Gallons:	10,152
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

D41 **BEACON STATION # 601** **HIST UST** **U001614760**
ESE **8070 N. LAKE BLVD.** **N/A**
< 1/8 **KINGS BEACH, CA 95719**
0.005 mi.
24 ft. **Site 9 of 10 in cluster D**

Relative: **Lower**
Actual: **6241 ft.**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000043891
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	ABE ANDREWS
Telephone:	2095820241
Owner Name:	BEACON OIL COMPANY
Owner Address:	525 W. THIRD STREET
Owner City,St,Zip:	HANFORD, CA 93230
Total Tanks:	0003
Tank Num:	001
Container Num:	601-1
Year Installed:	1983
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	.025
Leak Detection:	Stock Inventor, Sensor Instrument, Groundwater Monitoring Well
Tank Num:	002
Container Num:	601-2
Year Installed:	1983
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	.025
Leak Detection:	Stock Inventor, Sensor Instrument, Groundwater Monitoring Well
Tank Num:	003
Container Num:	601-3
Year Installed:	1983
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	.025
Leak Detection:	Stock Inventor, Sensor Instrument, Groundwater Monitoring Well

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A42 **NORTH TAHOE FIRE STATION #52** **AST** **S110710078**
NNE **288 NORTHSHORE BLVD** **CA PLACER CO. MS** **N/A**
< 1/8 **KINGS BEACH, CA 96143**
0.005 mi.
29 ft. **Site 23 of 23 in cluster A**

Relative: **Lower**
Actual: **6244 ft.**

AST:

Certified Unified Program Agencies:	Not reported
Owner:	NORTH TAHOE FIRE
Total Gallons:	Not reported
CERSID:	10205446
Facility ID:	Not reported
Business Name:	NORTH TAHOE FIRE STATION #52

NORTH TAHOE FIRE STATION #52 (Continued) **S110710078**

Phone:	(530) 583-6911
Fax:	Not reported
Mailing Address:	POST OFFICE BOX 5879
Mailing Address City:	TAHOE CITY
Mailing Address State:	CA
Mailing Address Zip Code:	96145
Operator Name:	NORTH TAHOE FIRE
Operator Phone:	530-583-6911
Owner Phone:	530-583-6911
Owner Mail Address:	POST OFFICE BOX 5879
Owner State:	CA
Owner Zip Code:	96145
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

PLACER CO. MS:

Facility ID:	FA0003053
Facility Status:	Active
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0004650
District Code:	61
Decode for Fstatus:	Active

B43 **NORTH TAHOE PUD (CLOSED)** **CA PLACER CO. MS** **S110710082**
WSW **7860 N LAKE BLVD** **N/A**
< 1/8 **TAHOE VISTA, CA 96148**
0.021 mi.
111 ft. **Site 9 of 9 in cluster B**

Relative:
Lower

Actual:
6239 ft.

PLACER CO. MS:

Facility ID:	FA0001912
Facility Status:	Closed
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0002685
District Code:	24
Decode for Fstatus:	Closed

D44 **NORTH TAHOE PUD - SECLINE ST.** **LUST** **S103770876**
SE **141 SECLINE** **SWEEPS UST** **N/A**
< 1/8 **TAHOE VISTA, CA 96148** **HIST CORTESE**
0.030 mi. **CA PLACER CO. MS**
156 ft. **Site 10 of 10 in cluster D** **CERS**

Relative:
Lower

Actual:
6239 ft.

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100348
Global Id:	T0606100348
Latitude:	39.2463507
Longitude:	-120.0575513
Status:	Completed - Case Closed
Status Date:	04/19/2002
Case Worker:	JEB
RB Case Number:	6T0208A
Local Agency:	PLACER COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0606100348
Contact Type:	Regional Board Caseworker
Contact Name:	JAMES BRATHOVDE
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 LAKE TAHOE BLVD
City:	SOUTH LAKE TAHOE
Email:	jbrathovde@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0606100348
Contact Type:	Local Agency Caseworker
Contact Name:	West Bourgault
Organization Name:	PLACER COUNTY
Address:	3091 County Center Drive, Suite 180
City:	Auburn
Email:	wbourgau@placer.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0606100348
Action Type:	Other
Date:	06/15/1995
Action:	Leak Reported

Global Id:	T0606100348
Action Type:	ENFORCEMENT
Date:	04/19/2002
Action:	* No Action

Global Id:	T0606100348
Action Type:	REMEDIATION
Date:	10/01/1997
Action:	Excavation

NORTH TAHOE PUD - SECLINE ST. (Continued) **S103770876**

Global Id: T0606100348
Action Type: Other
Date: 06/01/1995
Action: Leak Discovery

Global Id: T0606100348
Action Type: Other
Date: 06/12/1995
Action: Leak Stopped

LUST:
Global Id: T0606100348
Status: Completed - Case Closed
Status Date: 04/19/2002

Global Id: T0606100348
Status: Open - Case Begin Date
Status Date: 06/01/1995

Global Id: T0606100348
Status: Open - Site Assessment
Status Date: 08/01/1995

Global Id: T0606100348
Status: Open - Site Assessment
Status Date: 09/23/1998

Global Id: T0606100348
Status: Open - Verification Monitoring
Status Date: 03/13/2002

SWEEPS UST:
Status: Active
Comp Number: 1213
Number: 9
Board Of Equalization: Not reported
Referral Date: 04-22-92
Action Date: 04-22-92
Created Date: 04-22-92
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 31
Reg By: LTNKA
Reg Id: 6T0208A

NORTH TAHOE PUD - SECLINE ST. (Continued) **S103770876**

PLACER CO. MS:
Facility ID: FA0000695
Facility Status: Closed
Program Element Code: 2301
Program: UNDERGROUND STORAGE TANK - 1 TANK
Record Num: PR0000913
District Code: 60
Decode for Fstatus: Closed

Facility ID: FA0000695
Facility Status: Closed
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0003128
District Code: Not reported
Decode for Fstatus: Closed

CERS TANKS:
Site ID: 194619
CERS ID: T0606100348
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES BRATHOVDE - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: West Bourgault - PLACER COUNTY
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive, Suite 180
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

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45 **OLD BROCKWAY GOLF COURSE** **CERS HAZ WASTE** **S110710095**
NW **400 BRASSIE AVE** **CA PLACER CO. MS** **N/A**
< 1/8 **KINGS BEACH, CA 96143** **CERS**
0.031 mi.
165 ft.

Relative:
Higher

Actual:
6253 ft.

CERS HAZ WASTE:
Site ID: 53626
CERS ID: 10204849
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Violation Date:	09-16-2013
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 09/24/2014. Last routine inspection conducted on 8/3/2012 noted that the facility EPA ID number was expired and needed to be renewed. This has not bee completed. Must renew the EPA ID number immediately and have wastes removed from facility. Note: an EPA ID form was left with David.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	09-24-2014
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 10/27/2014. Any employees that handle the hazardous materials maintained on site must be trained annually. Per Dave, he is the only one receiving annual training. Be sure to train all employees that fuel equipment and maintain records at facility.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	12-19-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 02/08/2018. OBSERVATIONS: The facility's EPA ID is inactive. CORRECTIVE ACTIONS: Submit reactivation paperwork to DTSC.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	12-19-2017
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 12/19/2017. OBSERVATIONS: The most recent submittal CERS was completed in 2015. CORRECTIVE ACTIONS: Review and complete submittal to CERS on an annual basis. CORRECTED ON SITE.
Violation Division:	Placer County Environmental Health

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Violation Program: HMRRP
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 12-19-2017
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 02/08/2018. OBSERVATIONS: The accumulation start date for the drum of used oil filters is 7/7/2016. CORRECTIVE ACTIONS: Used oil filters must be disposed of within one year of accumulation state date. Arrange for disposal of used oil filters. Provide documentation of used oil filter disposal by 2/2/2018.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 12-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 12/19/2017. OBSERVATIONS: Site map does not include a north arrow, evacuation route or evacuation staging area. CORRECTIVE ACTIONS: Update map to include missing elements.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 09-24-2014
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 10/27/2014. Be sure all waste containers are closed and secured except in immediate use. Observed used oil filter container without a lid. Provide a secure fitting lid within 30 days from this inspection.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 09-24-2014
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 09/24/2014. Facility had not submitted the Hazardous Material Business Plan into the CERS system at the start of

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

	the inspection. Violation was complied at the time of the inspection. Be sure to review HMBP in CERS annually.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	09-16-2013
Citation:	22 CCR 12 66262.34(b)(1) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(b)(1)
Violation Description:	Failure to dispose of hazardous waste after the first 100-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 09/24/2014. 55 gallon drum storing waste oil is full and has not been pumped since 7/6/2011. Could not see start accumulation date on Hazardous Waste sticker due to location of the sticker. Wastes must be removed from facility within the next thirty days. Provide this office with a copy of the manifest.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	09-24-2014
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes:	Returned to compliance on 10/27/2014. Facility fire extinguisher expired in 11/1/2007. Replace or have serviced within 30 days of this inspection. Label spill kit. Keep SDS sheets current and available for employees.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	09-16-2013
Citation:	22 CCR 15 66265.35 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.35
Violation Description:	Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.
Violation Notes:	Returned to compliance on 09/24/2014. At the time of the inspection, hazardous wastes are stored in a shed with lawn equipment. Be sure to provide suffieceint isle space to access waste storage containers.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Violation Date: 12-19-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/19/2017. OBSERVATIONS: Employee training has not been routinely documented. CORRECTIVE ACTIONS: Include relevant hazardous materials training for employees during the seasonal orientation. Document employee attendance at orientation. Maintain attendance records for 3 years.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site with Dave Laurie to conduct routine inspection for the Hazardous Materials Business Plan (HMBP) program. Reviewed the most recent submittal to the California Environmental Reporting System (CERS). Discussed requirements for conducting and documenting employee training. Employee training will be conducted at annual employee orientation training. Conducted site walk to verify information reported to CERS.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site with Dave Laurie to conduct routine inspection for the Hazardous Waste Generator (HWG) program. Facility is a Conditionally Exempt Small Quantity Generator. Waste stream includes used oil, used oil filters, and used absorbent associated with fleet maintenance activities. Hazardous waste manifests were maintained on site and available for review at the time of the inspection. Hazardous waste hauler was Reno Drain Oil. Facility will look for new hauler. Facility has under-reportable quantities of hydraulic fluid and acetylene. No universal or electronic waste observed at the time of inspection.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Dave Laurie. No violations observed at the time of the inspection. Observed waste manifest properly filled out and maintained on site for 3 years. All containers

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

	are properly labeled, closed, and secured.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-27-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection on site, consented by Dave Laurie. Observed annual employee training documents. CERS was updated with new site map. Thank you for your cooperation.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-16-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Harzardous Material Business Plan inspection on site, consented by David Laurie. Observed current Hazardous Material Business Plan maintained on site. A Hazardous Material Business Plan Certification form was completed at the time of the inspection. As of January 1, 2013, all businesses that have reportable quantities of hazardous materials are required to submit their business plans electronically through the California Environmental Reporting System (CERS). Placer County has already seeded the information in the CERS database. Please log into CERS at cers.calepa.ca.gov, Old Brockway's CERS ID # is 10204849. Note: a CERS Guidence document was left with David at the time of inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual inspection on site, consented by David Laurie. Service or replace fire extinguisher annually. Maintain current SDS for all chemicals on hand. Observed proper isle space. Empty drums have been removed. Refrain from putting a start accumulation date on labels until 27 gallons of waste is generated. Once 27 gallons is generated, fill in start accumulation date and remove within 90 days from that date. Label spill kit. Observed waste manifests maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Dave Laurie. No violations observed at the time

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

of the inspeciton. Observed annual employee training documentation. CERS annual resubmittal was completed on 9/24/2015 at the time of the inspection. Other than updating the Secondary Emergency Contact, no changes to the Business Plan have occurred.

Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-27-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted reinspection of Conditionally Exempt Hazardous Waste Generator on site, consented by Dave Laurie. All violations have been corrected: Observed current fire extinguishers. Observed SDS sheets for chemicals on hand. All spill kits are labeled. All waste containers and closed and secured. Observed manifests for waste oil (10 gallons) and used oil filters. Thank you for your cooperation.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by David Laurie. Observed plug out of secondary containment for the diesel tank. Be sure to keep the plug in the secondary containment at all times unless actively draining containment of water/snowmelt. Be sure to clean containment of pine needles and other debris on a regular basis. Note: plug was reinstalled at the time of the inspection. Observed oil filters in proper containment. Be sure to maintain any floor sweep as a hazardous waste and label/dispose of properly. Per tag, fire extinguishers have not been serviced since 11/1/2007. Correct immediately. Thoroughly clean floors of staining/product by the new product containers and the hazardous waste containers. Observed old floor sweep and staining. Thank you for your cooperation during this inspection.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual inspection on site, consented by Dave Laurie. Observed paper copy of HMBP maintained on site. Be sure to maintain secondary containment area on 100 gallon diesel tank. Observed pine needles and some precipitation accumulation at the bottom of the containment. Facility was put into CERS at the time of the inspection. Train employees of proper hazardous material management and release response annually.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Enforcement Action:

Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Site Address:	400 BRASSIE AVE
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	09-16-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Site Address:	400 BRASSIE AVE
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	09-24-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Site Address:	400 BRASSIE AVE
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	09-24-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	david laurie
Entity Title:	Not reported
Affiliation Address:	po box 1269
Affiliation City:	kings beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	(530) 412-1562

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	po box 1269
Affiliation City:	kings beach

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96143
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Old Brockway Golf Course
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 546-9909
Affiliation Type Desc:	Identification Signer
Entity Name:	David Laurie
Entity Title:	golf course superintendent
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	lane lewis
Entity Title:	Not reported
Affiliation Address:	po box 1269
Affiliation City:	kings beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 546-7355
Affiliation Type Desc:	Parent Corporation
Entity Name:	Old Brockway Golf Course
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Document Preparer
Entity Name:	David Laurie

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

PLACER CO. MS:
Facility ID: FA0000964
Facility Status: Closed
Program Element Code: 2301
Program: UNDERGROUND STORAGE TANK - 1 TANK
Record Num: PR0001657
District Code: 61
Decode for Fstatus: Closed

Facility ID: FA0000964
Facility Status: Active
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0002941
District Code: Not reported
Decode for Fstatus: Active

Facility ID: FA0000964
Facility Status: Active
Program Element Code: 2268
Program: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num: PR0008726
District Code: Not reported
Decode for Fstatus: Active

CERS TANKS:
Site ID: 53626
CERS ID: 10204849
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 09-16-2013
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 09/24/2014. Last routine inspection conducted on 8/3/2012 noted that the facility EPA ID number was expired and needed to be renewed. This has not bee completed. Must renew the EPA ID number immediately and have wastes removed from facility. Note: an EPA ID form was left with David.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Violation Date:	09-24-2014
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 10/27/2014. Any employees that handle the hazardous materials maintained on site must be trained annually. Per Dave, he is the only one receiving annual training. Be sure to train all employees that fuel equipment and maintain records at facility.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	12-19-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 02/08/2018. OBSERVATIONS: The facility's EPA ID is inactive. CORRECTIVE ACTIONS: Submit reactivation paperwork to DTSC.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	12-19-2017
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 12/19/2017. OBSERVATIONS: The most recent submittal CERS was completed in 2015. CORRECTIVE ACTIONS: Review and complete submittal to CERS on an annual basis. CORRECTED ON SITE.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	12-19-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 02/08/2018. OBSERVATIONS: The accumulation start date for the drum of used oil filters is 7/7/2016. CORRECTIVE ACTIONS: Used oil filters must be disposed of within one year of accumulation state date. Arrange for disposal of used oil filters. Provide documentation of used oil filter disposal by 2/2/2018.

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	12-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 12/19/2017. OBSERVATIONS: Site map does not include a north arrow, evacuation route or evacuation staging area. CORRECTIVE ACTIONS: Update map to include missing elements.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	09-24-2014
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 10/27/2014. Be sure all waste containers are closed and secured except in immediate use. Observed used oil filter container without a lid. Provide a secure fitting lid within 30 days from this inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	09-24-2014
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 09/24/2014. Facility had not submitted the Hazardous Material Business Plan into the CERS system at the start of the inspection. Violation was complied at the time of the inspection. Be sure to review HMBP in CERS annually.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53626
Site Name:	OLD BROCKWAY GOLF COURSE
Violation Date:	09-16-2013
Citation:	22 CCR 12 66262.34(b)(1) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(b)(1)
Violation Description:	Failure to dispose of hazardous waste after the first 100-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 09/24/2014. 55 gallon drum storing waste oil is full and has not been pumped since 7/6/2011. Could not see start

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

accumulation date on Hazardous Waste sticker due to location of the sticker. Wastes must be removed from facility within the next thirty days. Provide this office with a copy of the manifest.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 09-24-2014
Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description: Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes: Returned to compliance on 10/27/2014. Facility fire extinguisher expired in 11/1/2007. Replace or have serviced within 30 days of this inspection. Label spill kit. Keep SDS sheets current and available for employees.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 09-16-2013
Citation: 22 CCR 15 66265.35 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.35
Violation Description: Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.
Violation Notes: Returned to compliance on 09/24/2014. At the time of the inspection, hazardous wastes are stored in a shed with lawn equipment. Be sure to provide suffieceint isle space to access waste storage containers.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Violation Date: 12-19-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/19/2017. OBSERVATIONS: Employee training has not been routinely documented. CORRECTIVE ACTIONS: Include relevant hazardous materials training for employees during the seasonal orientation. Document employee attendance at orientation. Maintain attendance records for 3 years.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site with Dave Laurie to conduct routine inspection for the Hazardous Materials Business Plan (HMBP) program. Reviewed the most recent submittal to the California Environmental Reporting System (CERS). Discussed requirements for conducting and documenting employee training. Employee training will be conducted at annual employee orientation training. Conducted site walk to verify information reported to CERS.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site with Dave Laurie to conduct routine inspection for the Hazardous Waste Generator (HWG) program. Facility is a Conditionally Exempt Small Quantity Generator. Waste stream includes used oil, used oil filters, and used absorbent associated with fleet maintenance activities. Hazardous waste manifests were maintained on site and available for review at the time of the inspection. Hazardous waste hauler was Reno Drain Oil. Facility will look for new hauler. Facility has under-reportable quantities of hydraulic fluid and acetylene. No universal or electronic waste observed at the time of inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Dave Laurie. No violations observed at the time of the inspection. Observed waste manifest properly filled out and maintained on site for 3 years. All containers are properly labeled, closed, and secured.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-27-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection on site, consented by Dave Laurie. Observed annual employee training documents. CERS was updated with new site map. Thank you for your cooperation.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-16-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Harzardous Material Business Plan inspection on site, consented by David Laurie. Observed current Hazardous Material Business Plan maintained on site. A Hazardous Material Business Plan Certification form was completed at the time of the inspection. As of January 1, 2013, all businesses that have reportable quantities of hazardous materials are required to submit their business plans electronically through the California Environmental Reporting System (CERS). Placer County has already seeded the information in the CERS database. Please log into CERS at cers.calepa.ca.gov, Old Brockway's CERS ID # is 10204849. Note: a CERS Guidence document was left with David at the time of inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual inspection on site, consented by David Laurie. Service or replace fire extinguisher annually. Maintain current SDS for all chemicals on hand. Observed proper isle space. Empty drums have been removed. Refrain from putting a start accumulation date on labels until 27 gallons of waste is generated. Once 27 gallons is generated, fill in start accumulation date and remove within 90 days from that date. Label spill kit. Observed waste manifests maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Dave Laurie. No violations observed at the time of the inspeciton. Observed annual employee training documentation. CERS annual resubmittal was completed on 9/24/2015 at the time of the inspection. Other than updating the Secondary Emergency Contact, no changes to the Business Plan have occurred.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-27-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conducted reinspection of Conditionally Exempt Hazardous Waste Generator on site, consented by Dave Laurie. All violations have been corrected: Observed current fire extinguishers. Observed SDS sheets for chemicals on hand. All spill kits are labeled. All waste

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

containers and closed and secured. Observed manifests for waste oil (10 gallons) and used oil filters. Thank you for your cooperation.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by David Laurie. Observed plug out of secondary containment for the diesel tank. Be sure to keep the plug in the secondary containment at all times unless actively draining containment of water/snowmelt. Be sure to clean containment of pine needles and other debris on a regular basis. Note: plug was reinstalled at the time of the inspection. Observed oil filters in proper containment. Be sure to maintain any floor sweep as a hazardous waste and label/dispose of properly. Per tag, fire extinguishers have not been serviced since 11/1/2007. Correct immediately. Thoroughly clean floors of staining/product by the new product containers and the hazardous waste containers. Observed old floor sweep and staining. Thank you for your cooperation during this inspection.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual inspection on site, consented by Dave Laurie. Observed paper copy of HMBP maintained on site. Be sure to maintain secondary containment area on 100 gallon diesel tank. Observed pine needles and some precipitation accumulation at the bottom of the containment. Facility was put into CERS at the time of the inspection. Train employees of proper hazardous material management and release response annually.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Site Address: 400 BRASSIE AVE
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 09-16-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 53626

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Site Name: OLD BROCKWAY GOLF COURSE
Site Address: 400 BRASSIE AVE
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 09-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 53626
Site Name: OLD BROCKWAY GOLF COURSE
Site Address: 400 BRASSIE AVE
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 09-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: david laurie
Entity Title: Not reported
Affiliation Address: po box 1269
Affiliation City: kings beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: (530) 412-1562

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: po box 1269
Affiliation City: kings beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 96143
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Old Brockway Golf Course
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 546-9909

Affiliation Type Desc: Identification Signer

OLD BROCKWAY GOLF COURSE (Continued) **S110710095**

Entity Name:	David Laurie
Entity Title:	golf course superintendent
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	lane lewis
Entity Title:	Not reported
Affiliation Address:	po box 1269
Affiliation City:	kings beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96143
Affiliation Phone:	(530) 546-7355
Affiliation Type Desc:	Parent Corporation
Entity Name:	Old Brockway Golf Course
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Document Preparer
Entity Name:	David Laurie
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E46 **ANN'S COTTAGES** **CA PLACER CO. MS** **S110709925**
ESE **8199 NORTH LAKE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA 96143**
0.080 mi.
422 ft. **Site 1 of 7 in cluster E**

Relative:
Higher

Actual:
6249 ft.

PLACER CO. MS:

Facility ID:	FA0013261
Facility Status:	Closed
Program Element Code:	2301
Program:	UNDERGROUND STORAGE TANK - 1 TANK
Record Num:	PR0010322
District Code:	60
Decode for Fstatus:	Closed

E47 **ANN'S COTTAGES** **LUST** **S122356272**
ESE **8199 NORTH LAKE BOULEVARD** **N/A**
< 1/8 **KINGS BEACH, CA 96143**
0.080 mi.
422 ft. **Site 2 of 7 in cluster E**

Relative:
Higher

Actual:
6249 ft.

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606105734
Global Id:	T0606105734
Latitude:	39.2377433065064
Longitude:	-120.028326448183
Status:	Completed - Case Closed
Status Date:	04/26/2006
Case Worker:	Not reported
RB Case Number:	6T0382A
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0606105734
Action Type:	RESPONSE
Date:	11/30/2005
Action:	Soil and Water Investigation Workplan
Global Id:	T0606105734
Action Type:	RESPONSE
Date:	02/17/2006
Action:	Soil and Water Investigation Report
Global Id:	T0606105734
Action Type:	Other
Date:	08/29/2005
Action:	Leak Reported
Global Id:	T0606105734
Action Type:	REMEDIATION
Date:	09/29/2005
Action:	Not reported

ANN'S COTTAGES (Continued) **S122356272**

Global Id: T0606105734
Action Type: REMEDIATION
Date: 06/21/2005
Action: Excavation

Global Id: T0606105734
Action Type: ENFORCEMENT
Date: 11/07/2005
Action: Staff Letter

Global Id: T0606105734
Action Type: ENFORCEMENT
Date: 08/29/2005
Action: * Historical Enforcement

Global Id: T0606105734
Action Type: ENFORCEMENT
Date: 04/26/2006
Action: Closure/No Further Action Letter

Global Id: T0606105734
Action Type: ENFORCEMENT
Date: 11/01/2005
Action: Staff Letter

Global Id: T0606105734
Action Type: Other
Date: 06/21/2005
Action: Leak Discovery

LUST:
Global Id: T0606105734
Status: Completed - Case Closed
Status Date: 04/26/2006

Global Id: T0606105734
Status: Open - Case Begin Date
Status Date: 06/21/2005

Global Id: T0606105734
Status: Open - Site Assessment
Status Date: 06/21/2005

Global Id: T0606105734
Status: Open - Site Assessment
Status Date: 11/03/2005

48
SSW
< 1/8
0.092 mi.
486 ft.

SECLINE STREET SEWER PUMP HOUSE
8072 SECLINE ST
KINGS BEACH, CA 95719

SWEEPS UST
HIST UST

U001614768
N/A

Relative:
Lower

Actual:
6233 ft.

SWEEPS UST:

Status:	Active
Comp Number:	38732
Number:	4
Board Of Equalization:	44-017150
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	8
SWRCB Tank Id:	31-000-038732-000001
Tank Status:	A
Capacity:	515
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	1

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000038732
Facility Type:	Other
Other Type:	P.U.D./SEWER
Contact Name:	LEE SCHEGG, CHIEF ENGINEER
Telephone:	9165464212
Owner Name:	NORTH TAHOE PUBLIC UTILITY DIS
Owner Address:	875 NATIONAL AVENUE
Owner City,St,Zip:	TAHOE VISTA, CA 95732
Total Tanks:	0001
Tank Num:	001
Container Num:	8
Year Installed:	Not reported
Tank Capacity:	00000515
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	12
Leak Detection:	None

E49
East
< 1/8
0.114 mi.
602 ft.

RITE AID NO 6106
8245 NORTH LAKE BLVD
KINGS BEACH, CA 96143

Site 3 of 7 in cluster E

RCRA-SQG

1007569199
CAR000157065

Relative:
Higher

Actual:
6250 ft.

RCRA-SQG:

Date form received by agency:	03/08/2017
Facility name:	RITE AID NO 6106
Facility address:	8245 NORTH LAKE BLVD KINGS BEACH, CA 96143
EPA ID:	CAR000157065

RITE AID NO 6106 (Continued) **1007569199**

Mailing address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact: DAVID CROZIER
Contact address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact country: US
Contact telephone: 717-975-8643
Contact email: EHS@RITEAID.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: LKB MANAGEMENT LLC
Owner/operator address: HIGHWAY ONE
MARSHALL, CA 94940
Owner/operator country: US
Owner/operator telephone: 415-663-1033
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/29/1986
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/06/2006
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP
Owner/operator address: 30 HUNTER LN
HARRISBURG, PA 17011
Owner/operator country: US
Owner/operator telephone: 717-730-8225
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/06/2006
Owner/Op end date: Not reported

Owner/operator name: THRIFTY PAYLESS, INC

RITE AID NO 6106 (Continued) **1007569199**

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/09/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343

RITE AID NO 6106 (Continued) **1007569199**

. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

RITE AID NO 6106 (Continued) **1007569199**

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL

Historical Generators:
Date form received by agency: 12/01/2010
Site name: RITE AID NO 6106
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: U002

RITE AID NO 6106 (Continued) **1007569199**

. Waste name: ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO-

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T)

Date form received by agency: 09/27/2004
Site name: RITE AID 6106
Classification: Small Quantity Generator

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

E50
East
< 1/8
0.114 mi.
602 ft.

RITE AID 6106
8245 N LAKE BLVD
KINGS BEACH, CA 96143

Site 4 of 7 in cluster E

CERS HAZ WASTE **S113177670**
HAZNET **N/A**
CA PLACER CO. MS
CERS

Relative: Higher

Actual: 6250 ft.

CERS HAZ WASTE:
Site ID: 62023
CERS ID: 10415062
CERS Description: RCRA LQ HW Generator

Violations:
Site ID: 62023
Site Name: Rite Aid #6106
Violation Date: 10-13-2015
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 10/19/2015. Facility has a new store manager as of July, 2015. Update the Business Owner/Operator page, Facility Emergency Contact information, with the new manager's information by 11/12/2015.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generator on site, consented by Matt Jensen. No violations observed at the time of the inspection. All wastes observed stored in compatible, labeled, secured containers. Shipping manifests maintained on site. Recommend filing manifests together by manifest date. Had to look through them and match up the original with the signed designated facility copy in the binder.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

RITE AID 6106 (Continued) **S113177670**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator on site, consented by Heather. No violations observed at the time of the inspection. All hazardous wastes are stored in closed, compatible containers with proper labeling. Observed manifests maintained for 3 years. Spill kits, proper PPE, and serviced fire extinguishers observed. All store employees are trained on an annual basis. Hazardous waste containers and storage areas are inspected weekly.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site. No violations observed at the time of the inspection. Last documented weekly inspection was 10/26/2015. Observed manifests maintained on site for 3+ years and signed by the designated facility. Business Plan last updated 6/2017.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-10-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Heather Fortman. No violations observed at the time of the inpsection. Observed MSDS and currently serviced fire extinguishers. Spill kit and PPE available. Observed manifests being maintained on site. Wastes are being removed on a regular basis. Waste area inspection logs observed.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Heather. Hazardous Material Business Plan was submitted on 2/13/14 in CERS. Chemical inventory is reflective of chemicals on site. Observed employee training records. Observed letter to the property owner regarding providing a copy of the Business Plan if requested.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

RITE AID 6106 (Continued) **S113177670**

Eval Date: 10-10-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual inspection on site, consented by Heather Fortman. No violations observed at the time of the inspection. Observed current Hazardous Material Business Plan on site. Chemical inventory is reflective of chemicals on site. Observed employee training records. Observed monthly inspection log. Thank you for your cooperation.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual inspection on site, consented by Matt Jensen. Update Business Owner/Operator page with current manager's information. Observed annual employee hazmat training on the computer. Be sure to include store-specific information during the annual training.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 62023
Site Name: Rite Aid #6106
Site Address: 8245 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 10-13-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Property Owner
Entity Name: LKB Management LLC
Entity Title: Not reported
Affiliation Address: 23240 Highway One
Affiliation City: Marshall

RITE AID 6106 (Continued) **S113177670**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94940
Affiliation Phone:	(415) 663-1033
Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	David Crozier
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	(717) 975-8643
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane, attn: EHS
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	David Crozier
Entity Title:	Manager, EHS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Thrifty Payless, Inc
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	17011
Affiliation Phone:	(717) 761-2633
Affiliation Type Desc:	Operator
Entity Name:	Rite Aid #6106

RITE AID 6106 (Continued) **S113177670**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 546-2523
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Site ID:	62023
CERS ID:	10415062
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	62023
Site Name:	Rite Aid #6106
Violation Date:	10-13-2015
Citation:	HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description:	Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes:	Returned to compliance on 10/19/2015. Facility has a new store manager as of July, 2015. Update the Business Owner/Operator page, Facility Emergency Contact information, with the new manager's information by 11/12/2015.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generator on site, consented by Matt Jensen. No violations observed at the time of the inspection. All wastes observed stored in compatible, labeled, secured containers. Shipping manifests maintained on site. Recommend filing manifests together by manifest date. Had to look through them and match up the original with the signed designated facility copy in the binder.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2014

RITE AID 6106 (Continued) **S113177670**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator on site, consented by Heather. No violations observed at the time of the inspection. All hazardous wastes are stored in closed, compatible containers with proper labeling. Observed manifests maintained for 3 years. Spill kits, proper PPE, and serviced fire extinguishers observed. All store employees are trained on an annual basis. Hazardous waste containers and storage areas are inspected weekly.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site. No violations observed at the time of the inspection. Last documented weekly inspection was 10/26/2015. Observed manifests maintained on site for 3+ years and signed by the designated facility. Business Plan last updated 6/2017.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-10-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Heather Fortman. No violations observed at the time of the inpsection. Observed MSDS and currently serviced fire extinguishers. Spill kit and PPE available. Observed manifests being maintained on site. Wastes are being removed on a regular basis. Waste area inspection logs observed.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Heather. Hazardous Material Business Plan was submitted on 2/13/14 in CERS. Chemical inventory is reflective of chemicals on site. Observed employee training records. Observed letter to the property owner regarding providing a copy of the Business Plan if requested.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-10-2013
Violations Found:	No

RITE AID 6106 (Continued) **S113177670**

Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual inspection on site, consented by Heather Fortman. No violations observed at the time of the inspection. Observed current Hazardous Material Business Plan on site. Chemical inventory is reflective of chemicals on site. Observed employee training records. Observed monthly inspection log. Thank you for your cooperation.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual inspection on site, consented by Matt Jensen. Update Business Owner/Operator page with current manager's information. Observed annual employee hazmat training on the computer. Be sure to include store-specific information during the annual training.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	62023
Site Name:	Rite Aid #6106
Site Address:	8245 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	10-13-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Property Owner
Entity Name:	LKB Management LLC
Entity Title:	Not reported
Affiliation Address:	23240 Highway One
Affiliation City:	Marshall
Affiliation State:	CA
Affiliation Country:	United States

RITE AID 6106 (Continued) **S113177670**

Affiliation Zip: 94940
Affiliation Phone: (415) 663-1033

Affiliation Type Desc: Document Preparer
Entity Name: Jordan Anderson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: David Crozier
Entity Title: Not reported
Affiliation Address: 30 Hunter Lane
Affiliation City: Camp Hill
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 17011
Affiliation Phone: (717) 975-8643

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 30 Hunter Lane, attn: EHS
Affiliation City: Camp Hill
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 17011
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: David Crozier
Entity Title: Manager, EHS
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Thrifty Payless, Inc
Entity Title: Not reported
Affiliation Address: 30 Hunter Lane
Affiliation City: Camp Hill
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 17011
Affiliation Phone: (717) 761-2633

Affiliation Type Desc: Operator
Entity Name: Rite Aid #6106
Entity Title: Not reported
Affiliation Address: Not reported

RITE AID 6106 (Continued) **S113177670**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 546-2523
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HAZNET:

Facility Name:	RITE AID #6106
envid:	S113177670
Year:	2017
GEPAID:	CAR000157065
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Placer
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Placer
envid:	S113177670
Year:	2017
GEPAID:	CAR000157065
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Placer
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Cat Decode:	Pharmaceutical waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

RITE AID 6106 (Continued) **S113177670**

Facility County:	Placer
envid:	S113177670
Year:	2017
GEPAID:	CAR000157065
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Placer
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Cat Decode:	Pharmaceutical waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Placer
envid:	S113177670
Year:	2017
GEPAID:	CAR000157065
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Placer
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Cat Decode:	Pharmaceutical waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Placer
envid:	S113177670
Year:	2017
GEPAID:	CAR000157065
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Placer
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015

RITE AID 6106 (Continued) **S113177670**

Cat Decode: Pharmaceutical waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Placer

Click this hyperlink while viewing on your computer to access
137 additional CA_HAZNET: record(s) in the EDR Site Report.

PLACER CO. MS:
Facility ID: FA0001032
Facility Status: Active
Program Element Code: 2268
Program: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num: PR0015235
District Code: 61
Decode for Fstatus: Active

Facility ID: FA0001032
Facility Status: Closed
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0016364
District Code: Not reported
Decode for Fstatus: Closed

CERS TANKS:
Site ID: 62023
CERS ID: 10415062
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 62023
Site Name: Rite Aid #6106
Violation Date: 10-13-2015
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 10/19/2015. Facility has a new store manager as of July, 2015. Update the Business Owner/Operator page, Facility Emergency Contact information, with the new manager's information by 11/12/2015.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generator on site, consented by Matt Jensen. No violations observed at the time of the inspection. All wastes observed stored in compatible, labeled, secured containers. Shipping manifests maintained on site. Recommend filing manifests together by manifest date. Had to look

RITE AID 6106 (Continued) **S113177670**

through them and match up the original with the signed designated facility copy in the binder.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator on site, consented by Heather. No violations observed at the time of the inspection. All hazardous wastes are stored in closed, compatible containers with proper labeling. Observed manifests maintained for 3 years. Spill kits, proper PPE, and serviced fire extinguishers observed. All store employees are trained on an annual basis. Hazardous waste containers and storage areas are inspected weekly.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site. No violations observed at the time of the inspection. Last documented weekly inspection was 10/26/2015. Observed manifests maintained on site for 3+ years and signed by the designated facility. Business Plan last updated 6/2017.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-10-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Heather Fortman. No violations observed at the time of the inpsection. Observed MSDS and currently serviced fire extinguishers. Spill kit and PPE available. Observed manifests being maintained on site. Wastes are being removed on a regular basis. Waste area inspection logs observed.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Heather. Hazardous Material Business Plan was submitted on 2/13/14 in CERS. Chemical inventory is reflective of chemicals on site. Observed employee training records. Observed letter to the property owner regarding providing a copy of the Business Plan

RITE AID 6106 (Continued) **S113177670**

	if requested.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-10-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual inspection on site, consented by Heather Fortman. No violations observed at the time of the inspection. Observed current Hazardous Material Business Plan on site. Chemical inventory is reflective of chemicals on site. Observed employee training records. Observed monthly inspection log. Thank you for your cooperation.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual inspection on site, consented by Matt Jensen. Update Business Owner/Operator page with current manager's information. Observed annual employee hazmat training on the computer. Be sure to include store-specific information during the annual training.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	62023
Site Name:	Rite Aid #6106
Site Address:	8245 N LAKE BLVD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	10-13-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300

RITE AID 6106 (Continued) **S113177670**

Affiliation Type Desc:	Property Owner
Entity Name:	LKB Management LLC
Entity Title:	Not reported
Affiliation Address:	23240 Highway One
Affiliation City:	Marshall
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94940
Affiliation Phone:	(415) 663-1033

Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	David Crozier
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	(717) 975-8643

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane, attn: EHS
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	David Crozier
Entity Title:	Manager, EHS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Thrifty Payless, Inc
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	United States

RITE AID 6106 (Continued) **S113177670**

Affiliation Zip: 17011
Affiliation Phone: (717) 761-2633

Affiliation Type Desc: Operator
Entity Name: Rite Aid #6106
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 546-2523

Affiliation Type Desc: Parent Corporation
Entity Name: RITE AID CORPORATION
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

E51 **MOBIL SERVICE STATION** **SWEEPS UST** **S105708800**
ESE **8299 N LAKE BLVD** **CA PLACER CO. MS** **N/A**
< 1/8 **KINGS BEACH, CA 95719**
0.114 mi.
603 ft. **Site 5 of 7 in cluster E**

Relative:
Higher

Actual:
6250 ft.

SWEEPS UST:
Status: Active
Comp Number: 39513
Number: 9
Board Of Equalization: 44-000400
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 31-000-039513-000001
Tank Status: A
Capacity: 6000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 39513
Number: 9
Board Of Equalization: 44-000400
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 31-000-039513-000002
Tank Status: A

MOBIL SERVICE STATION (Continued) **S105708800**

Capacity: 6000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 39513
Number: 9
Board Of Equalization: 44-000400
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 31-000-039513-000003
Tank Status: A
Capacity: 4000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 39513
Number: 9
Board Of Equalization: 44-000400
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 31-000-039513-000004
Tank Status: A
Capacity: 280
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

PLACER CO. MS:
Facility ID: FA0000621
Facility Status: Closed
Program Element Code: 2304
Program: UNDERGROUND STORAGE TANKS - 4 TANKS
Record Num: PR0000773
District Code: 6
Decode for Fstatus: Closed

E52
ESE
< 1/8
0.114 mi.
603 ft.

MOBIL SERVICE STATION
8299 N LAKE BLVD
KINGS BEACH, CA 95719

Site 6 of 7 in cluster E

HIST UST **U001614764**
N/A

Relative:
Higher

Actual:
6250 ft.

HIST UST:

File Number:	0001F2CE
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F2CE.pdf
Region:	STATE
Facility ID:	00000039513
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	FRED RASCH
Telephone:	9165462319
Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 SO. FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1955
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	1955
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	3
Year Installed:	1955
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	004
Container Num:	4
Year Installed:	1955
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

E53 **RASCHS FREDDIE MOBIL SERVICE** **EDR Hist Auto** **1020159776**
ESE **8299 NO LAKE BLVD** **N/A**
< 1/8 **KINGS BEACH, CA 95719**
0.114 mi.
603 ft. **Site 7 of 7 in cluster E**

Relative: EDR Hist Auto
Higher

Actual:
6250 ft.

Year:	Name:	Type:
1969	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1970	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1971	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1972	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1973	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1974	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1975	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1976	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations
1977	RASCHS FREDDIE MOBIL SERVICE	Gasoline Service Stations

F54 **KINGS BEACH ELEMENTARY SCHOOL** **ENF** **S102811149**
NE **8125 STEELHEAD** **CA PLACER CO. MS** **N/A**
1/8-1/4 **KINGS BEACH, CA 96143** **NPDES**
0.135 mi. **CIWQS**
714 ft. **Site 1 of 2 in cluster F** **CERS**

Relative: ENF:
Higher

Actual:
6264 ft.

Region:	6A
Facility Id:	235045
Agency Name:	Tahoe Truckee Unified School District
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	39.240123
Place Longitude:	-120.026702
SIC Code 1:	8211
SIC Desc 1:	Elementary and Secondary Schools
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Erosion wastes
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	CONSTW
Program Category1:	NPDESSW

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Program Category2:	WDR
# Of Programs:	1
WDID:	6A319612001
Reg Measure Id:	203813
Reg Measure Type:	Enrollee
Region:	6A
Order #:	91-031
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	200
Status:	Historical
Status Date:	03/31/2014
Effective Date:	06/13/1997
Expiration/Review Date:	Not reported
Termination Date:	02/11/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	232161
Region:	6A
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice to Comply
Effective Date:	02/18/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-02-28
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6A319612001
Description:	DISCHARGER INSTALLED SNOW STAKES TO PREVENT SOIL DISTURBANCE TO UNPAVED AREAS. THEY WILL MULCH DISTURBED SOILS ONCE THE SNOW MELTS OFF.
Program:	WDR
Latest Milestone Completion Date:	2000-02-28
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	6A
Facility Id:	235045

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Agency Name:	Tahoe Truckee Unified School District
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	39.240123
Place Longitude:	-120.026702
SIC Code 1:	8211
SIC Desc 1:	Elementary and Secondary Schools
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Erosion wastes
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	CONSTW
Program Category1:	NPDESSW
Program Category2:	WDR
# Of Programs:	1
WDID:	6A319612001
Reg Measure Id:	203813
Reg Measure Type:	Enrollee
Region:	6A
Order #:	91-031
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	200
Status:	Historical
Status Date:	03/31/2014
Effective Date:	06/13/1997
Expiration/Review Date:	Not reported
Termination Date:	02/11/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	232132
Region:	6A
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice to Comply
Effective Date:	02/17/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-03-15
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6A319612001
Description:	DISCHARGER TO MULCH LOOSE SOIL AND STAKE OFF UNPAVED AREAS TO PREVENT FURTHER DISTURBANCE FROM SNOW REMOVAL AND VEHICLES.
Program:	WDR
Latest Milestone Completion Date:	2000-03-15
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

PLACER CO. MS:

Facility ID:	FA0002065
Facility Status:	Closed
Program Element Code:	2301
Program:	UNDERGROUND STORAGE TANK - 1 TANK
Record Num:	PR0002880
District Code:	61
Decode for Fstatus:	Closed

Facility ID:	FA0002065
Facility Status:	Closed
Program Element Code:	2107
Program:	US HAZMAT ONLY-NO WASTE <20,000/month
Record Num:	PR0002881
District Code:	Not reported
Decode for Fstatus:	Closed

NPDES:

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6A31LT000085

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Regulatory Measure Type:	Region 6 S. Lake Tahoe Permit
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/24/2018
Operator Name:	Tahoe Truckee Unified School District
Operator Address:	11839 Donner Pass Road
Operator City:	Truckee
Operator State:	California
Operator Zip:	96161

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Active
Agency Number:	0
Region:	6A
Regulatory Measure ID:	493246
Order Number:	Not reported
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6A31LT000085
Program Type:	Region 6 S. Lake Tahoe Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/24/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tahoe Truckee Unified School District
Discharge Address:	11839 Donner Pass Road
Discharge City:	Truckee
Discharge State:	California
Discharge Zip:	96161
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Active
NPDES Number:	Not reported
Region:	6A
Agency Number:	0
Regulatory Measure ID:	493246
Place ID:	Not reported
Order Number:	Not reported
WDID:	6A31LT000085
Regulatory Measure Type:	Enrollee
Program Type:	Region 6 S. Lake Tahoe Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/24/2018
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	11839 Donner Pass Road
Discharge Name:	Tahoe Truckee Unified School District
Discharge City:	Truckee
Discharge State:	California

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Discharge Zip:	96161
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Active
Agency Number:	0
Region:	6A
Regulatory Measure ID:	493246
Order Number:	Not reported
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6A31LT000085
Program Type:	Region 6 S. Lake Tahoe Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/24/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tahoe Truckee Unified School District
Discharge Address:	11839 Donner Pass Road
Discharge City:	Truckee
Discharge State:	California
Discharge Zip:	96161
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Tahoe Truckee Unified School District
Agency Address:	11603 Donner Pass Road, Truckee, CA 96161
Place/Project Type:	Other
SIC/NAICS:	8211
Region:	6T
Program:	CONSTW
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee
Order Number:	91-031
WDID:	6A319612001
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	06/13/1997
Termination Date:	02/11/2010
Expiration/Review Date:	Not reported
Design Flow:	0
Major/Minor:	Not reported
Complexity:	C
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	39.240123
Longitude:	-120.026702

Agency:	Tahoe Truckee Unified School District
Agency Address:	11839 Donner Pass Road, Truckee, CA 96161
Place/Project Type:	Construction

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

SIC/NAICS:	Not reported
Region:	6T
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Region 6 S. Lake Tahoe Permit
Order Number:	R6T-2011-0019
WDID:	6A31LT000085
NPDES Number:	CAG616002
Adoption Date:	Not reported
Effective Date:	01/24/2018
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	39.24095
Longitude:	-120.02844

CERS TANKS:

Site ID:	318913
CERS ID:	235045
CERS Description:	NPDES Wastewater and Stormwater

Violations:

Site ID:	318913
Site Name:	Kings Beach Elementary School
Violation Date:	02-08-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	REQUIRED MAINTENANCE AND MULCHING
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

Site ID:	318913
Site Name:	Kings Beach Elementary School
Violation Date:	02-08-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	LOOSE SOIL AT THE EAST EDGE AND NORTH END OF CHURCH PARKING LOT DRAINING INTO DEER STREET DRAINAGE PROJECT. CULVERT IN NEW PARKING LOT HALF FULL OF SEDIMENT.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

Enforcement Action:

Site ID:	318913
Site Name:	Kings Beach Elementary School
Site Address:	8125 STEELHEAD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-17-2000
Enf Action Type:	Notice to Comply (Minor Violations)

KINGS BEACH ELEMENTARY SCHOOL (Continued) **S102811149**

Enf Action Description:	Notice to Comply for Minor Violations
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS
Site ID:	318913
Site Name:	Kings Beach Elementary School
Site Address:	8125 STEELHEAD
Site City:	KINGS BEACH
Site Zip:	96143
Enf Action Date:	02-18-2000
Enf Action Type:	Notice to Comply (Minor Violations)
Enf Action Description:	Notice to Comply for Minor Violations
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS

F55 **KINGS BEACH STUDENT ACTIVITY CENTER** **ENVIROSTOR** **S118756690**
NE **8081 STEELHEAD AVE/WOLF STREET/DOLLY VARDEN AVE** **SCH** **N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.136 mi.
719 ft. **Site 2 of 2 in cluster F**

Relative:
Higher

Actual:
6264 ft.

ENVIROSTOR:

Facility ID:	31880002
Status:	No Action Required
Status Date:	02/13/2001
Site Code:	104205
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.7
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Charles Ridenour
Division Branch:	Northern California Schools & Santa Susana
Assembly:	01
Senate:	01
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	39.24098
Longitude:	-120.0287
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	KINGS BEACH STUDENT ACTIVITY CENTER
Alias Type:	Alternate Name
Alias Name:	TAHOE TRUCKEE USD-KINGS BEACH STUDENT AC
Alias Type:	Alternate Name
Alias Name:	TAHOE-TRUCKEE UNIFIED SCHOOL DISTRICT

KINGS BEACH STUDENT ACTIVITY CENTER (Continued) **S118756690**

Alias Type:	Alternate Name
Alias Name:	104205
Alias Type:	Project Code (Site Code)
Alias Name:	31880002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/05/2001
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/13/2001
Comments:	DTSC approved the Phase 1 letter with a no further action determination

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	02/08/2001
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Facility ID:	31880002
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.7
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Charles Ridenour
Division Branch:	Northern California Schools & Santa Susana
Site Code:	104205
Assembly:	01
Senate:	01
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	02/13/2001
Restricted Use:	NO

KINGS BEACH STUDENT ACTIVITY CENTER (Continued) **S118756690**

Funding:	School District
Latitude:	39.24098
Longitude:	-120.0287
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	KINGS BEACH STUDENT ACTIVITY CENTER
Alias Type:	Alternate Name
Alias Name:	TAHOE TRUCKEE USD-KINGS BEACH STUDENT AC
Alias Type:	Alternate Name
Alias Name:	TAHOE-TRUCKEE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	104205
Alias Type:	Project Code (Site Code)
Alias Name:	31880002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/05/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/13/2001
Comments:	DTSC approved the Phase 1 letter with a no further action determination
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	02/08/2001
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

G56 **NORTH AMERICAN FIRE EXTING. CO** **CA PLACER CO. MS** **S110710074**
East **8325 NORTH LAKE BLVD** **N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.156 mi.
823 ft. **Site 1 of 4 in cluster G**

Relative:
Higher

Actual:
6252 ft.

PLACER CO. MS:

Facility ID:	FA0001793
Facility Status:	Closed
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0002564
District Code:	6
Decode for Fstatus:	Closed

G57 **NORTH TAHOE PUD KING BEACH** **HIST UST** **S118413512**
ESE **8318 NORTH LAKE BOILEVARD** **N/A**
1/8-1/4 **KINGS BEACH, CA 95719**
0.173 mi.
911 ft. **Site 2 of 4 in cluster G**

Relative:
Higher

Actual:
6250 ft.

HIST UST:

File Number:	0001F2EE
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F2EE.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

G58 **NORTH TAHOE P.U.D. KING BEACH** **HIST UST** **U001614766**
ESE **8318 NORTH LAKE BOULEVARD** **N/A**
1/8-1/4 **KINGS BEACH, CA 95719**
0.173 mi.
911 ft. **Site 3 of 4 in cluster G**

Relative:
Higher

Actual:
6250 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000038914
Facility Type:	Other

NORTH TAHOE P.U.D. KING BEACH (Continued) **U001614766**

Other Type:	P.U.D./HEATING
Contact Name:	LEE SCHEGG, CHIEF ENGINEER
Telephone:	9165467248
Owner Name:	NORTH TAHOE PUBLIC UTILITY DIS
Owner Address:	875 NATIONAL AVENUE
Owner City,St,Zip:	TAHOE VISTA, CA 95732
Total Tanks:	0001
Tank Num:	001
Container Num:	9
Year Installed:	1959
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

G59 **NORTH TAHOE P.U.D. KING BEACH** **SWEEPS UST** **S106929974**
ESE **8318 N LAKE BLVD** **N/A**
1/8-1/4 **KINGS BEACH, CA 95719**
0.173 mi.
911 ft. **Site 4 of 4 in cluster G**

Relative: **Higher**

Actual: **6250 ft.**

SWEEPS UST:

Status:	Active
Comp Number:	38914
Number:	4
Board Of Equalization:	44-017153
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	9
SWRCB Tank Id:	31-000-038914-000001
Tank Status:	A
Capacity:	1000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	1

H60 **NEW CINGULAR WIRELESS PCS, LLC DBA AT&T MOBILITY** **CA PLACER CO. MS** **S110709931**
NNE **8197 SPECKLED AVE** **N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.174 mi.
921 ft. **Site 1 of 5 in cluster H**

Relative: **Higher**

Actual: **6318 ft.**

PLACER CO. MS:

Facility ID:	FA0016329
Facility Status:	Closed
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0011848
District Code:	66
Decode for Fstatus:	Closed

H61 **SERPA PROPERTY** **HIST CORTESE** **S104241971**
NNE **710 WOLF STREET** **N/A**
1/8-1/4 **KINGS BEACH, CA 96142**
0.189 mi.
998 ft. **Site 2 of 5 in cluster H**

Relative: **Higher**

Actual: **6326 ft.**

HIST CORTESE:
Region: CORTESE
Facility County Code: 31
Reg By: LTNKA
Reg Id: 6T0320A

H62 **SERPA PROPERTY** **LUST** **S104181035**
NNE **710 WOLF STREET** **CA PLACER CO. MS** **N/A**
1/8-1/4 **KINGS BEACH, CA 96142** **CERS**
0.189 mi.
998 ft. **Site 3 of 5 in cluster H**

Relative: **Higher**

Actual: **6326 ft.**

LUST:
Lead Agency: PLACER COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100388
Global Id: T0606100388
Latitude: 39.243918
Longitude: -120.028432
Status: Completed - Case Closed
Status Date: 08/14/2000
Case Worker: Not reported
RB Case Number: 6T0320A
Local Agency: PLACER COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606100388
Contact Type: Regional Board Caseworker
Contact Name: JAMES BRATHOVDE
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BLVD
City: SOUTH LAKE TAHOE
Email: jbrathovde@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0606100388
Contact Type: Local Agency Caseworker
Contact Name: West Bourgault
Organization Name: PLACER COUNTY
Address: 3091 County Center Drive, Suite 180
City: Auburn
Email: wbourgau@placer.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0606100388
Action Type: Other
Date: 11/01/1999
Action: Leak Reported

SERPA PROPERTY (Continued) **S104181035**

Global Id: T0606100388
Action Type: ENFORCEMENT
Date: 08/14/2000
Action: Closure/No Further Action Letter

LUST:
Global Id: T0606100388
Status: Completed - Case Closed
Status Date: 08/14/2000

Global Id: T0606100388
Status: Open - Case Begin Date
Status Date: 11/01/1999

Global Id: T0606100388
Status: Open - Site Assessment
Status Date: 12/08/1999

PLACER CO. MS:
Facility ID: FA0004322
Facility Status: Closed
Program Element Code: 2347
Program: RESIDENTIAL UST - CLOSURE
Record Num: PR0007380
District Code: 6
Decode for Fstatus: Closed

Facility ID: FA0012375
Facility Status: Closed
Program Element Code: 2270
Program: SMALL QUANTITY GENERATOR
Record Num: PR0009757
District Code: 6
Decode for Fstatus: Closed

CERS TANKS:
Site ID: 209213
CERS ID: T0606100388
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES BRATHOVDE - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: West Bourgault - PLACER COUNTY
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive, Suite 180

SERPA PROPERTY (Continued) **S104181035**

Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

H63 **YANKTON EXCAVATING INC** **CA PLACER CO. MS** **S110710273**
NNE **8229 SPECKLED AVE** **CERS** **N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.202 mi.
1068 ft. **Site 4 of 5 in cluster H**

Relative: **Higher**
Actual: **6325 ft.**

PLACER CO. MS:
Facility ID: FA0002069
Facility Status: Closed
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0005038
District Code: 61
Decode for Fstatus: Closed

Facility ID: FA0002069
Facility Status: Closed
Program Element Code: 2301
Program: UNDERGROUND STORAGE TANK - 1 TANK
Record Num: PR0005039
District Code: Not reported
Decode for Fstatus: Closed

Facility ID: FA0002069
Facility Status: Closed
Program Element Code: 2268
Program: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num: PR0010520
District Code: Not reported
Decode for Fstatus: Closed

Facility ID: FA0020418
Facility Status: Closed
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0017900
District Code: 61
Decode for Fstatus: Closed

H64 **YANKTON EXC. INC.** **AST** **A100325497**
NNE **8229 SPECKLED AVE.** **N/A**
1/8-1/4 **KINGS BEACH, CA**
0.202 mi.
1068 ft. **Site 5 of 5 in cluster H**

Relative: **Higher**
Actual: **6325 ft.**

AST:
Certified Unified Program Agencies: Placer
Owner: YANKTON EXCAVATING, INC.
Total Gallons: 2,000

YANKTON EXC. INC. (Continued) **A100325497**

CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

I65 **NORTH TAHOE MARINA** **UST** **U003433714**
West **7360 NORTH LAKE BLVD** **ENF** **N/A**
1/8-1/4 **TAHOE VISTA, CA 96148** **WDS**
0.215 mi. **CIWQS**
1134 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
6259 ft.

UST:

Facility ID:	FA0000694
Permitting Agency:	PLACER COUNTY
Latitude:	39.239237
Longitude:	-120.041711

ENF:

Region:	6A
Facility Id:	244587
Agency Name:	Walsh, Jim & Virginia
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

NORTH TAHOE MARINA (Continued) **U003433714**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	INDSTW
Program Category1:	NPDESSW
Program Category2:	NPDESSW
# Of Programs:	1
WDID:	6A310110004
Reg Measure Id:	203704
Reg Measure Type:	Enrollee
Region:	6A
Order #:	R6T-2005-0015
Npdes# CA#:	CAG616003
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	04/03/2002
Effective Date:	04/03/2002
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	57 - RB SW industrial Permits (INDSTW)
Direction/Voice:	Passive
Enforcement Id(EID):	248704
Region:	6A
Order / Resolution Number:	R6T-2002-0044
Enforcement Action Type:	Admin Civil Liability
Effective Date:	09/05/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 6A310110004
Description:	ACP issued in the amount of $10,000 for the release of

NORTH TAHOE MARINA (Continued) **U003433714**

	sediment to Lake Tahoe during maintenance dredging activity on 4-14-02.
Program:	INDSTW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	6A
Facility Id:	244587
Agency Name:	Walsh, Jim & Virginia
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	INDSTW
Program Category1:	NPDESSW
Program Category2:	NPDESSW
# Of Programs:	1
WDID:	6A310110004
Reg Measure Id:	203704
Reg Measure Type:	Enrollee
Region:	6A
Order #:	R6T-2005-0015
Npdes# CA#:	CAG616003
Major-Minor:	Not reported
Npdes Type:	Not reported

NORTH TAHOE MARINA (Continued) **U003433714**

Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	04/03/2002
Effective Date:	04/03/2002
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	57 - RB SW industrial Permits (INDSTW)
Direction/Voice:	Passive
Enforcement Id(EID):	246720
Region:	6A
Order / Resolution Number:	R6T-2002-0056
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/17/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6A310110004
Description:	Violated provisions of NOA BO # 00-36
Program:	INDSTW
Latest Milestone Completion Date:	2002-11-15
# Of Programs1:	1
Total Assessment Amount:	10000
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	10000

WDS:

Facility ID:	North Lahontan 310080701
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Historical - Any regulated facility for which the Regional Board has rescinded all WDRs or consciously allowed an NPDES permit to expire.
NPDES Number:	CAG616003 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	Not reported
Facility Contact:	JIM WALSH
Agency Name:	JIM & VIRGINIA WALSH
Agency Address:	PO BOX 189
Agency City,St,Zip:	TAHOE VISTA 96148

NORTH TAHOE MARINA (Continued) **U003433714**

Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Agency:	Jim & Virginia Walsh
Agency Address:	PO BOX 189, Tahoe Vista, CA 96148
Place/Project Type:	Industrial - Marinas
SIC/NAICS:	4493
Region:	6T
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	6A31I000190
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/02/1992
Termination Date:	07/24/2000
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

Agency:	Walsh, Jim & Virginia
Agency Address:	Po Box 189, Tahoe Vista, CA 96148
Place/Project Type:	Other
SIC/NAICS:	Not reported

NORTH TAHOE MARINA (Continued) **U003433714**

Region:	6T
Program:	INDSTW
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee
Order Number:	R6T-2005-0015
WDID:	6A310804003
NPDES Number:	CAG616003
Adoption Date:	06/18/2008
Effective Date:	06/18/2008
Termination Date:	04/13/2011
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	C
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

I66 **NORTH TAHOE MARINA** **AST** **S102005335**
West **7360 N LAKE BLVD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **TAHOE VISTA, CA 96148** **SWEEPS UST**
0.215 mi. **CERS TANKS**
1134 ft. **Site 2 of 2 in cluster I** **CA PLACER CO. MS CERS**

Relative: Higher

Actual: 6259 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	WALSH, JAMES & CATHLEEN
Total Gallons:	Not reported
CERSID:	10204687
Facility ID:	Not reported
Business Name:	NORTH TAHOE MARINA
Phone:	(530) 546-8248
Fax:	530-546-8257
Mailing Address:	PO BOX 189
Mailing Address City:	TAHOE VISTA
Mailing Address State:	CA
Mailing Address Zip Code:	96148
Operator Name:	WALSH, JAMES & VIRGINIA
Operator Phone:	530-546-8248
Owner Phone:	530-546-8248
Owner Mail Address:	PO BOX 189
Owner State:	CA
Owner Zip Code:	96148
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000044097

Certified Unified Program Agencies:	Placer
Owner:	NORTH TAHOE MARINA

NORTH TAHOE MARINA (Continued) **S102005335**

Total Gallons:	6,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

CERS HAZ WASTE:

Site ID:	138790
CERS ID:	10204687
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	02-01-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Map deficiencies in violation of BO R6T-2011-0024 Attachment G, Sections III.B.3.d, e, k and l.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	10-31-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/31/2014. Be sure all hazardous waste containers are properly labeled at all times. Observed the following containers without labels: waste antifreeze tank and waste gas from fuel filter drainage barrel. Note: containers were labeled at the time of the inspection. Be sure to label all empty containers as "Empty"

NORTH TAHOE MARINA (Continued) **S102005335**

	and the date they were emptied. Empty containers cannot be maintained on site for more than one year from the date of being emptied.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-18-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	The site map included in the Annual Report does not identify sampling locations as required despite answering Yes to question # 50 in the Annual Report Form. Sampling locations are not specified on the map provided with the Annual Report as indicated in the Annual Report form. Revise the site map to comply with Attachment G, Section III.B.3 and i
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	09-12-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/12/2017. OBSERVATIONS: An accumulation start date was not provided on the 55 gallon drums containing waste gasoline, used oil filters, used antifreeze, and used absorbents. The accumulation start date on the waste oil tank was incorrect. CORRECTIVE ACTIONS: Provide accumulation start dates on all hazardous waste containers.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	02-01-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Nitrogen, Total (as N) Event Discharge limit is 5.0 mg/L and reported value was 6.7 mg/L.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	04-18-2013
Citation:	California Water Code
Violation Description:	Not reported

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Notes:	Discharger''s inspectors are not QSPs. Storm water sampler was not verified as a QSP in report. Violates Section VII.C.3.a.iii.d. of Board Order No.R6T-2011-0024. Personnel training records did not adequately fulfill requirments of general permit. Req. by Section VII.C.3.a.iv.d. and Attachment E, V.B.4. Facility map provided does not adequately
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	02-01-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Lacking photographs for visual inspections of storm water discharge in violation of BO R6T-2011-0024 Attachment E, Section III.D.13
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-21-2014
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Lacking photographs for visual inspections of storm water discharge in violation of Attachment E, Section III.D.13.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-22-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Two storm water discharge event samples are required. Only one storm water discharge event was sampled for effluent compliance.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	04-18-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Discharger failed to submit a map showing sample sites and flow patterns with the annual report. Violates Board Order No. R6T-2011-024 Req. by Section V.B.7. of Attachment E. Discharger failed to report benchmark exceedance (Req. by Attachment E, V.A.3. and V.B.5.) Discharger failed to disclose any non-compliance during the reporting year in acco
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS

NORTH TAHOE MARINA (Continued) **S102005335**

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Discharger did not report USEPA exceedances in the 2008-2009 Annual Report, this violates B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SWPPP is not in compliance with B.O. R6T-2005-0015, section 9 of the Standard Provisions in Attachment E and Order Conditions section V.C Stormwater Pollution Prevention Plan. SWPPP was not signed. SWPPP did not have sampling sites clearly labeled on the map.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Total Suspended Solids (TSS) Instantaneous Maximum limit is 100.0 mg/L and reported value was 390.0 mg/L.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Storm water sample collected on 5/3/2009 was not analyzed for all the required parameters, this violates B.O. R6T-2005-0015, Order Conditions, section VI.4.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	09-12-2017
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATIONS: The most recent

NORTH TAHOE MARINA (Continued) **S102005335**

submittal to the California Environmental Reporting System (CERS) was completed on 10/27/2015. CORRECTIVE ACTIONS: Review and re-submittal to CERS on an annual basis.

Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 10-31-2014
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes: Returned to compliance on 03/04/2015. Document monthly tank inspections and maintain records on site.
Violation Division: Placer County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Iron, Total Instantaneous Maximum limit is 4.0 mg/L and reported value was 8.0 mg/L.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger did not address necessary changes to stop USEPA Benchmark exceedances. Violation of B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 12-06-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Inadequate SWPPP
Violation Division: Water Boards

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to report effluent limitation exceedance in violation of B.O. R6T-2011-0024 Attachment E, Section V.A.2.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit minimum number of visual inspections(Req. by Attachment E, II.A.2.), failed to conduct the minimum number of storm water samples(Req. by Attachment E, IV.A.1.a.), failed to sample all effluent limits (Section V.A.1. Attachment E, Section IV.A.1.a.), failed to achieve specific reporting level for iron (Req. by Section V.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Small Quantity Generator inspection on site, consented by Jim Walsh. Be sure all hazardous waste containers are correctly labeled at all times. No other violations observed at the time of the inspection. Observed 3 years of waste manifests. Observed waste analysis forms being maintained with manifests. Observed all employee training records. Shop is well organized with adequate isle space. Fire extinguishers, spill kits, proper PPE, and eye wash stations available.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2017

NORTH TAHOE MARINA (Continued) **S102005335**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Materials Business Plan (HMBP) program. Reviewed most recent submittal to CERS. Employee training records were available for review at the time of the inspection. Verified inventory and facility layout.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Generator inspection on site, consented by Cathy Walsh. Observed proper secondary containment for all waste storage containers. All containers are closed, sealed, and labeled. Observed spill kits and current fire extinguishers. Employees are trained annually on hazardous waste and hazardous material management. Thank you for your cooperation during this inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Welding gases have recently been moved to the main shop. Update site map on CERS to reflect the new location within 30 days of the move. Chemical inventory is reflective of chemicals on hand.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. Business Plan was resubmitted to CERS for the annual recertification on 10/3/2014. No violations observed at the time of the inspection. Facility maintained a paper copy of the business plan on site as well as in CERS.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Above Ground Storage Tank inspection on site,

NORTH TAHOE MARINA (Continued) **S102005335**

consented by Jim Walsh. SPCC has been amended to reflect new shop and current above ground petroleum storage quantities. Gap in curved containment for convault tank has been fixed. Observed employee training logs. All convault tanks annular spaces are continuously monitored via veeder root TSL-350 and annular sensors. Piping to the dock dispensers is double walled. Any breaks in the piping are contained in sumps, with sensors being continuously monitored via Veeder Root system. Be sure to record your monthly inspection logs. LA Perks does annual testing on tanks. Be sure to maintain all service and testing records for the above ground tanks.

Eval Division: Placer County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Observed current copy of the Hazardous Material Business Plan maintained on site. Facility has updated the site map to incooperate new shop. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Tahoe Marina's CERS ID # is 10204687. HMBP and SPCC plans must be submitted to CERS within 30 days from this inspection report. Note: a CERS guidence document was left with Cathy at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-1994
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2015
Violations Found: No

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Aboveground Storage Tank inspection on site, consented by Cathy Walsh. Update Section 3 of the SPCC plan to delineate which industry standard facility is using for tank inspections. Convault tanks are monitored through a Veeder Root system. Be sure all sensors get tested annually to verify that they are in proper working order and maintain records on site. Observed SPCC plan and employee training documents maintained on site. Observed any amendments to the plan documented in the back of the SPCC plan as required. Check the annular space in the used oil, diesel, and used antifreeze tank annually and document.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generator inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. All waste containers were closed, secured, and properly labeled at the time of the inspection. All fire extinguishers get serviced annually. Facility is well organized. Proper spill kits and PPE maintained on site. Recommend filing the designated facility's signed copy of the manifest with the original.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-04-1998
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-22-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-1999
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS

NORTH TAHOE MARINA (Continued) **S102005335**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-19-2008
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Cathy and Jim Walsh to conduct the routine inspection for the Aboveground Storage Tank program. Facility is a Tier 1 facility with storage capacity of 9350 gallons. The largest container is 2000 gallons. Reviewed SPCC plan. Verified type, capacity, contents, and location of aboveground tanks. Records of monthly inspections were available for review at the time of the inspection. Veeder Root system is installed to monitor convault tanks and the aboveground piping sumps. Annual monitoring certification for sensors connected to the Veeder Root system is conducted by LA Perks. Training records were available for review at the time of the inspection. Will work with operator to determine appropriate schedule for integrity testing of aboveground tanks. The five year review of the SPCC plan is due in November 2017.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Waste Generator (HWG) program. Facility is a Small Quantity Generator. Waste includes used oil, waste gasoline, used oil filters, used antifreeze, and oily solids. Waste hauler is Asbury Environmental Services. Safety Kleen hauls waste from the parts washer. Waters maintains the storm water filtration system. Reviewed EPA ID profile. Manifests were available for review at the time of the inspection. Routine training and inspections of the waste area are conducted.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS

NORTH TAHOE MARINA (Continued) **S102005335**

Enforcement Action:

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Site Address:	7360 N LAKE BLVD
Site City:	TAHOE VISTA
Site Zip:	96148
Enf Action Date:	02-19-2016
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	CIWQS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Site Address:	7360 N LAKE BLVD
Site City:	TAHOE VISTA
Site Zip:	96148
Enf Action Date:	03-08-2007
Enf Action Type:	Notice to Comply (Minor Violations)
Enf Action Description:	Notice to Comply for Minor Violations
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	CIWQS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Site Address:	7360 N LAKE BLVD
Site City:	TAHOE VISTA
Site Zip:	96148
Enf Action Date:	10-31-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	APSA
Enf Action Source:	CERS

Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Site Address:	7360 N LAKE BLVD
Site City:	TAHOE VISTA
Site Zip:	96148
Enf Action Date:	10-31-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health

NORTH TAHOE MARINA (Continued) **S102005335**

Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Identification Signer
Entity Name:	Cathleen Walsh
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Cathleen Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Cathy Walsh
Entity Title:	Not reported
Affiliation Address:	PO Box 189
Affiliation City:	Tahoe Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96148
Affiliation Phone:	(530) 546-8248
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 189
Affiliation City:	TAHOE VISTA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96148
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	WALSH, JAMES & VIRGINIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 546-8248

NORTH TAHOE MARINA (Continued) **S102005335**

Affiliation Type Desc: Operator
Entity Name: Walsh, Jim & Virginia
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: North Tahoe Marina
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: WALSH, JAMES & CATHLEEN
Entity Title: Not reported
Affiliation Address: PO BOX 189
Affiliation City: TAHOE VISTA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96148
Affiliation Phone: (530) 546-8248

SWEEPS UST:
Status: Not reported
Comp Number: 146
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 31-000-000146-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 1

Status: Active
Comp Number: 146
Number: 9
Board Of Equalization: Not reported
Referral Date: 08-09-91
Action Date: 07-10-92
Created Date: 06-29-90
Owner Tank Id: Not reported

NORTH TAHOE MARINA (Continued) **S102005335**

SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CERS TANKS:
Site ID: 138790
CERS ID: 10204687
CERS Description: Aboveground Petroleum Storage

Violations:
Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Map deficiencies in violation of BO R6T-2011-0024 Attachment G, Sections III.B.3.d, e, k and l.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 10-31-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 10/31/2014. Be sure all hazardous waste containers are properly labeled at all times. Observed the following containers without labels: waste antifreeze tank and waste gas from fuel filter drainage barrel. Note: containers were labeled at the time of the inspection. Be sure to label all empty containers as "Empty" and the date they were emptied. Empty containers cannot be maintained on site for more than one year from the date of being emptied.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The site map included in the Annual Report does not identify sampling locations as required despite answering Yes to question # 50 in the Annual Report Form. Sampling locations are not specified on the map provided with the Annual Report as indicated in the Annual Report form. Revise the site map to comply with Attachment G, Section III.B.3 and i

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 09-12-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/12/2017. OBSERVATIONS: An accumulation start date was not provided on the 55 gallon drums containing waste gasoline, used oil filters, used antifreeze, and used absorbents. The accumulation start date on the waste oil tank was incorrect. CORRECTIVE ACTIONS: Provide accumulation start dates on all hazardous waste containers.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Nitrogen, Total (as N) Event Discharge limit is 5.0 mg/L and reported value was 6.7 mg/L.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger''s inspectors are not QSPs. Storm water sampler was not verified as a QSP in report. Violates Section VII.C.3.a.iii.d. of Board Order No.R6T-2011-0024. Personnel training records did not adequately fulfill requirments of general permit. Req. by Section VII.C.3.a.iv.d. and Attachment E, V.B.4. Facility map provided does not adequately
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Lacking photographs for visual inspections of storm water discharge in violation of BO R6T-2011-0024 Attachment E, Section III.D.13

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-21-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Lacking photographs for visual inspections of storm water discharge in violation of Attachment E, Section III.D.13.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-22-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Two storm water discharge event samples are required. Only one storm water discharge event was sampled for effluent compliance.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit a map showing sample sites and flow patterns with the annual report. Violates Board Order No. R6T-2011-024 Req. by Section V.B.7. of Attachment E. Discharger failed to report benchmark exceedance (Req. by Attachment E, V.A.3. and V.B.5.) Discharger failed to disclose any non-compliance during the reporting year in acco
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger did not report USEPA exceedances in the 2008-2009 Annual Report, this violates B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Description: Not reported
Violation Notes: SWPPP is not in compliance with B.O. R6T-2005-0015, section 9 of the Standard Provisions in Attachment E and Order Conditions section V.C Stormwater Pollution Prevention Plan. SWPPP was not signed. SWPPP did not have sampling sites clearly labeled on the map.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Total Suspended Solids (TSS) Instantaneous Maximum limit is 100.0 mg/L and reported value was 390.0 mg/L.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Storm water sample collected on 5/3/2009 was not analyzed for all the required parameters, this violates B.O. R6T-2005-0015, Order Conditions, section VI.4.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 09-12-2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 10/10/2017. OBSERVATIONS: The most recent submittal to the California Environmental Reporting System (CERS) was completed on 10/27/2015. CORRECTIVE ACTIONS: Review and re-submittal to CERS on an annual basis.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 10-31-2014
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections

NORTH TAHOE MARINA (Continued) **S102005335**

	and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes:	Returned to compliance on 03/04/2015. Document monthly tank inspections and maintain records on site.
Violation Division:	Placer County Environmental Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Iron, Total Instantaneous Maximum limit is 4.0 mg/L and reported value was 8.0 mg/L.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Discharger did not address necessary changes to stop USEPA Benchmark exceedances. Violation of B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	12-06-2006
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Inadequate SWPPP
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	02-01-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failure to report effluent limitation exceedance in violation of B.O. R6T-2011-0024 Attachment E, Section V.A.2.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit minimum number of visual inspections(Req. by Attachment E, II.A.2.), failed to conduct the minimum number of storm water samples(Req. by Attachment E, IV.A.1.a.), failed to sample all effluent limits (Section V.A.1. Attachment E, Section IV.A.1.a.), failed to achieve specific reporting level for iron (Req. by Section V.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Small Quantity Generator inspection on site, consented by Jim Walsh. Be sure all hazardous waste containers are correctly labeled at all times. No other violations observed at the time of the inspection. Observed 3 years of waste manifests. Observed waste analysis forms being maintained with manifests. Observed all employee training records. Shop is well organized with adequate isle space. Fire extinguishers, spill kits, proper PPE, and eye wash stations available.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Materials Business Plan (HMBP) program. Reviewed most recent submittal to CERS. Employee training records were available for review at the time of the inspection. Verified inventory and facility layout.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Small Quantity Generator inspection on site,

NORTH TAHOE MARINA (Continued) **S102005335**

consented by Cathy Walsh. Observed proper secondary containment for all waste storage containers. All containers are closed, sealed, and labeled. Observed spill kits and current fire extinguishers. Employees are trained annually on hazardous waste and hazardous material management. Thank you for your cooperation during this inspection.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Welding gases have recently been moved to the main shop. Update site map on CERS to reflect the new location within 30 days of the move. Chemical inventory is reflective of chemicals on hand.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. Business Plan was resubmitted to CERS for the annual recertification on 10/3/2014. No violations observed at the time of the inspection. Facility maintained a paper copy of the business plan on site as well as in CERS.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Above Ground Storage Tank inspection on site, consented by Jim Walsh. SPCC has been amended to reflect new shop and current above ground petroleum storage quantities. Gap in curved containment for convault tank has been fixed. Observed employee training logs. All convault tanks annular spaces are continuously monitored via veeder root TSL-350 and annular sensors. Piping to the dock dispensers is double walled. Any breaks in the piping are contained in sumps, with sensors being continuously monitored via Veeder Root system. Be sure to record your monthly inspection logs. LA Perks does annual testing on tanks. Be sure to maintain all service and testing records for the above ground tanks.
Eval Division: Placer County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2001

NORTH TAHOE MARINA (Continued) **S102005335**

Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Observed current copy of the Hazardous Material Business Plan maintained on site. Facility has updated the site map to incooperate new shop. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Tahoe Marina's CERS ID # is 10204687. HMBP and SPCC plans must be submitted to CERS within 30 days from this inspection report. Note: a CERS guidence document was left with Cathy at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-24-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Aboveground Storage Tank inspection on site, consented by Cathy Walsh. Update Section 3 of the SPCC plan to delineate which industry standard facility is using for tank inspections. Convault tanks are monitored through a Veeder Root system. Be sure all sensors get tested annually to verify that they are in proper working order and maintain records on site. Observed SPCC plan and employee training documents maintained on site. Observed any amendments to the plan documented in the back of the SPCC plan as required. Check the annular space in the used oil, diesel, and used antifreeze tank annually and document.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Date: 10-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Small Quantity Waste Generator inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. All waste containers were closed, secured, and properly labeled at the time of the inspection. All fire extinguishers get serviced annually. Facility is well organized. Proper spill kits and PPE maintained on site. Recommend filing the designated facility's signed copy of the manifest with the original.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-1998
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-1999
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2008
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site with Cathy and Jim Walsh to conduct the routine inspection for the Aboveground Storage Tank program. Facility is a Tier 1 facility with storage capacity of 9350 gallons. The largest container is 2000

NORTH TAHOE MARINA (Continued) **S102005335**

gallons. Reviewed SPCC plan. Verified type, capacity, contents, and location of aboveground tanks. Records of monthly inspections were available for review at the time of the inspection. Veeder Root system is installed to monitor convault tanks and the aboveground piping sumps. Annual monitoring certification for sensors connected to the Veeder Root system is conducted by LA Perks. Training records were available for review at the time of the inspection. Will work with operator to determine appropriate schedule for integrity testing of aboveground tanks. The five year review of the SPCC plan is due in November 2017.

Eval Division: Placer County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Waste Generator (HWG) program. Facility is a Small Quantity Generator. Waste includes used oil, waste gasoline, used oil filters, used antifreeze, and oily solids. Waste hauler is Asbury Environmental Services. Safety Kleen hauls waste from the parts washer. Waters maintains the storm water filtration system. Reviewed EPA ID profile. Manifests were available for review at the time of the inspection. Routine training and inspections of the waste area are conducted.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Placer County Environmental Health
Eval Program: APSA
Eval Source: CERS

Enforcement Action:
Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 02-19-2016
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD

NORTH TAHOE MARINA (Continued) **S102005335**

Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 03-08-2007
Enf Action Type: Notice to Comply (Minor Violations)
Enf Action Description: Notice to Comply for Minor Violations
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 10-31-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: APSA
Enf Action Source: CERS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 10-31-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Identification Signer
Entity Name: Cathleen Walsh
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

NORTH TAHOE MARINA (Continued) **S102005335**

Affiliation Type Desc:	Document Preparer
Entity Name:	Cathleen Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Cathy Walsh
Entity Title:	Not reported
Affiliation Address:	PO Box 189
Affiliation City:	Tahoe Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96148
Affiliation Phone:	(530) 546-8248

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 189
Affiliation City:	TAHOE VISTA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96148
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	WALSH, JAMES & VIRGINIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 546-8248

Affiliation Type Desc:	Operator
Entity Name:	Walsh, Jim & Virginia
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	North Tahoe Marina
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

NORTH TAHOE MARINA (Continued) **S102005335**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: WALSH, JAMES & CATHLEEN
Entity Title: Not reported
Affiliation Address: PO BOX 189
Affiliation City: TAHOE VISTA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96148
Affiliation Phone: (530) 546-8248

PLACER CO. MS:
Facility ID: FA0000694
Facility Status: Closed
Program Element Code: 2303
Program: UNDERGROUND STORAGE TANKS - 3 TANKS
Record Num: PR0000909
District Code: 61
Decode for Fstatus: Closed

Facility ID: FA0000694
Facility Status: Active
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0003056
District Code: Not reported
Decode for Fstatus: Active

Facility ID: FA0000694
Facility Status: Active
Program Element Code: 2270
Program: SMALL QUANTITY GENERATOR
Record Num: PR0008687
District Code: Not reported
Decode for Fstatus: Active

CERS TANKS:
Site ID: 138790
CERS ID: 244586
CERS Description: NPDES Wastewater and Stormwater

Violations:
Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Map deficiencies in violation of BO R6T-2011-0024 Attachment G, Sections III.B.3.d, e, k and l.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790

NORTH TAHOE MARINA (Continued) **S102005335**

Site Name:	NORTH TAHOE MARINA
Violation Date:	10-31-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/31/2014. Be sure all hazardous waste containers are properly labeled at all times. Observed the following containers without labels: waste antifreeze tank and waste gas from fuel filter drainage barrel. Note: containers were labeled at the time of the inspection. Be sure to label all empty containers as "Empty" and the date they were emptied. Empty containers cannot be maintained on site for more than one year from the date of being emptied.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-18-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	The site map included in the Annual Report does not identify sampling locations as required despite answering Yes to question # 50 in the Annual Report Form. Sampling locations are not specified on the map provided with the Annual Report as indicated in the Annual Report form. Revise the site map to comply with Attachment G, Section III.B.3 and i
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	09-12-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/12/2017. OBSERVATIONS: An accumulation start date was not provided on the 55 gallon drums containing waste gasoline, used oil filters, used antifreeze, and used absorbents. The accumulation start date on the waste oil tank was incorrect. CORRECTIVE ACTIONS: Provide accumulation start dates on all hazardous waste containers.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	02-01-2016

NORTH TAHOE MARINA (Continued) **S102005335**

Citation: California Water Code
Violation Description: Not reported
Violation Notes: Nitrogen, Total (as N) Event Discharge limit is 5.0 mg/L and reported value was 6.7 mg/L.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger''s inspectors are not QSPs. Storm water sampler was not verified as a QSP in report. Violates Section VII.C.3.a.iii.d. of Board Order No.R6T-2011-0024. Personnel training records did not adequately fulfill requirments of general permit. Req. by Section VII.C.3.a.iv.d. and Attachment E, V.B.4. Facility map provided does not adequately
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Lacking photographs for visual inspections of storm water discharge in violation of BO R6T-2011-0024 Attachment E, Section III.D.13
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-21-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Lacking photographs for visual inspections of storm water discharge in violation of Attachment E, Section III.D.13.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-22-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Two storm water discharge event samples are required. Only one storm water discharge event was sampled for effluent compliance.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790

NORTH TAHOE MARINA (Continued) **S102005335**

Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit a map showing sample sites and flow patterns with the annual report. Violates Board Order No. R6T-2011-024 Req. by Section V.B.7. of Attachment E. Discharger failed to report benchmark exceedance (Req. by Attachment E, V.A.3. and V.B.5.) Discharger failed to disclose any non-compliance during the reporting year in acco
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger did not report USEPA exceedances in the 2008-2009 Annual Report, this violates B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: SWPPP is not in compliance with B.O. R6T-2005-0015, section 9 of the Standard Provisions in Attachment E and Order Conditions section V.C Stormwater Pollution Prevention Plan. SWPPP was not signed. SWPPP did not have sampling sites clearly labeled on the map.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Total Suspended Solids (TSS) Instantaneous Maximum limit is 100.0 mg/L and reported value was 390.0 mg/L.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Storm water sample collected on 5/3/2009 was not analyzed for all the required parameters, this violates B.O. R6T-2005-0015, Order

NORTH TAHOE MARINA (Continued) **S102005335**

	Conditions, section VI.4.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	09-12-2017
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATIONS: The most recent submittal to the California Environmental Reporting System (CERS) was completed on 10/27/2015. CORRECTIVE ACTIONS: Review and re-submittal to CERS on an annual basis.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	10-31-2014
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes:	Returned to compliance on 03/04/2015. Document monthly tank inspections and maintain records on site.
Violation Division:	Placer County Environmental Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Iron, Total Instantaneous Maximum limit is 4.0 mg/L and reported value was 8.0 mg/L.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Notes:	Discharger did not address necessary changes to stop USEPA Benchmark exceedances. Violation of B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	12-06-2006
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Inadequate SWPPP
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	02-01-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failure to report effluent limitation exceedance in violation of B.O. R6T-2011-0024 Attachment E, Section V.A.2.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	04-18-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Discharger failed to submit minimum number of visual inspections(Req. by Attachment E, II.A.2.), failed to conduct the minimum number of storm water samples(Req. by Attachment E, IV.A.1.a.), failed to sample all effluent limits (Section V.A.1. Attachment E, Section IV.A.1.a.), failed to achieve specific reporting level for iron (Req. by Section V.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Generator inspection on site, consented by Jim Walsh. Be sure all hazardous waste containers are correctly labeled at all times. No other violations observed at the time of the inspection. Observed 3 years of waste manifests. Observed waste analysis forms being maintained with manifests. Observed all employee training records. Shop is well organized with adequate isle space. Fire extinguishers, spill kits, proper PPE, and eye wash stations available.
Eval Division:	Placer County Environmental Health

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2000
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Materials Business Plan (HMBP) program. Reviewed most recent submittal to CERS. Employee training records were available for review at the time of the inspection. Verified inventory and facility layout.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Generator inspection on site, consented by Cathy Walsh. Observed proper secondary containment for all waste storage containers. All containers are closed, sealed, and labeled. Observed spill kits and current fire extinguishers. Employees are trained annually on hazardous waste and hazardous material management. Thank you for your cooperation during this inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Welding gases have recently been moved to the main shop. Update site map on CERS to reflect the new location within 30 days of the move. Chemical inventory is reflective of chemicals on hand.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	No
Eval Type:	Routine done by local agency

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. Business Plan was resubmitted to CERS for the annual recertification on 10/3/2014. No violations observed at the time of the inspection. Facility maintained a paper copy of the business plan on site as well as in CERS.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Above Ground Storage Tank inspection on site, consented by Jim Walsh. SPCC has been amended to reflect new shop and current above ground petroleum storage quantities. Gap in curved containment for convault tank has been fixed. Observed employee training logs. All convault tanks annular spaces are continuously monitored via veeder root TSL-350 and annular sensors. Piping to the dock dispensers is double walled. Any breaks in the piping are contained in sumps, with sensors being continuously monitored via Veeder Root system. Be sure to record your monthly inspection logs. LA Perks does annual testing on tanks. Be sure to maintain all service and testing records for the above ground tanks.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Observed current copy of the Hazardous Material Business Plan maintained on site. Facility has updated the site map to incooperate new shop. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Tahoe Marina's CERS ID # is 10204687. HMBP and SPCC plans must be submitted to CERS within 30 days from this inspection report. Note: a CERS guidence document was left with Cathy at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-24-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Aboveground Storage Tank inspection on site, consented by Cathy Walsh. Update Section 3 of the SPCC plan to delineate which industry standard facility is using for tank inspections. Convault tanks are monitored through a Veeder Root system. Be sure all sensors get tested annually to verify that they are in proper working order and maintain records on site. Observed SPCC plan and employee training documents maintained on site. Observed any amendments to the plan documented in the back of the SPCC plan as required. Check the annular space in the used oil, diesel, and used antifreeze tank annually and document.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generator inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. All waste containers were closed, secured, and properly labeled at the time of the inspection. All fire extinguishers get serviced annually. Facility is well organized. Proper spill kits and PPE maintained on site. Recommend filing the designated facility's signed copy of the manifest with the original.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-04-1998
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-22-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-1999
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2008
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site with Cathy and Jim Walsh to conduct the routine inspection for the Aboveground Storage Tank program. Facility is a Tier 1 facility with storage capacity of 9350 gallons. The largest container is 2000 gallons. Reviewed SPCC plan. Verified type, capacity, contents, and location of aboveground tanks. Records of monthly inspections were available for review at the time of the inspection. Veeder Root system is installed to monitor convault tanks and the aboveground piping sumps. Annual monitoring certification for sensors connected to the Veeder Root system is conducted by LA Perks. Training records were available for review at the time of the inspection. Will work with operator to determine appropriate schedule for integrity testing of aboveground tanks. The five year review of the SPCC plan is due in November 2017.
Eval Division: Placer County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Waste Generator (HWG) program. Facility is a Small Quantity Generator. Waste includes used oil, waste gasoline, used oil filters, used antifreeze, and oily solids. Waste hauler is Asbury Environmental Services. Safety Kleen hauls waste from the parts washer. Waters maintains the storm water filtration system. Reviewed EPA ID profile. Manifests were available for review at the time of the inspection. Routine training and inspections of the waste area are conducted.

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Placer County Environmental Health
Eval Program: APSA
Eval Source: CERS

Enforcement Action:
Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 02-19-2016
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 03-08-2007
Enf Action Type: Notice to Comply (Minor Violations)
Enf Action Description: Notice to Comply for Minor Violations
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 10-31-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: APSA
Enf Action Source: CERS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA

NORTH TAHOE MARINA (Continued) **S102005335**

Site Zip:	96148
Enf Action Date:	10-31-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300

Affiliation Type Desc:	Identification Signer
Entity Name:	Cathleen Walsh
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Cathleen Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Cathy Walsh
Entity Title:	Not reported
Affiliation Address:	PO Box 189
Affiliation City:	Tahoe Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96148
Affiliation Phone:	(530) 546-8248

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 189
Affiliation City:	TAHOE VISTA
Affiliation State:	CA
Affiliation Country:	Not reported

NORTH TAHOE MARINA (Continued) **S102005335**

Affiliation Zip: 96148
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: WALSH, JAMES & VIRGINIA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 546-8248

Affiliation Type Desc: Operator
Entity Name: Walsh, Jim & Virginia
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: North Tahoe Marina
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: WALSH, JAMES & CATHLEEN
Entity Title: Not reported
Affiliation Address: PO BOX 189
Affiliation City: TAHOE VISTA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 96148
Affiliation Phone: (530) 546-8248

Site ID: 138790
CERS ID: 10204687
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Map deficiencies in violation of BO R6T-2011-0024 Attachment G, Sections III.B.3.d, e, k and l.
Violation Division: Water Boards
Violation Program: INDSTW

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	10-31-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/31/2014. Be sure all hazardous waste containers are properly labeled at all times. Observed the following containers without labels: waste antifreeze tank and waste gas from fuel filter drainage barrel. Note: containers were labeled at the time of the inspection. Be sure to label all empty containers as "Empty" and the date they were emptied. Empty containers cannot be maintained on site for more than one year from the date of being emptied.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-18-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	The site map included in the Annual Report does not identify sampling locations as required despite answering Yes to question # 50 in the Annual Report Form. Sampling locations are not specified on the map provided with the Annual Report as indicated in the Annual Report form. Revise the site map to comply with Attachment G, Section III.B.3 and i
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	09-12-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/12/2017. OBSERVATIONS: An accumulation start date was not provided on the 55 gallon drums containing waste gasoline, used oil filters, used antifreeze, and used absorbents. The accumulation start date on the waste oil tank was incorrect. CORRECTIVE ACTIONS: Provide accumulation start dates on all hazardous waste containers.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

NORTH TAHOE MARINA (Continued) **S102005335**

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Nitrogen, Total (as N) Event Discharge limit is 5.0 mg/L and reported value was 6.7 mg/L.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger''s inspectors are not QSPs. Storm water sampler was not verified as a QSP in report. Violates Section VII.C.3.a.iii.d. of Board Order No.R6T-2011-0024. Personnel training records did not adequately fulfill requirments of general permit. Req. by Section VII.C.3.a.iv.d. and Attachment E, V.B.4. Facility map provided does not adequately
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Lacking photographs for visual inspections of storm water discharge in violation of BO R6T-2011-0024 Attachment E, Section III.D.13
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-21-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Lacking photographs for visual inspections of storm water discharge in violation of Attachment E, Section III.D.13.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-22-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Two storm water discharge event samples are required. Only one storm water discharge event was sampled for effluent compliance.
Violation Division: Water Boards
Violation Program: INDSTW

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit a map showing sample sites and flow patterns with the annual report. Violates Board Order No. R6T-2011-024 Req. by Section V.B.7. of Attachment E. Discharger failed to report benchmark exceedance (Req. by Attachment E, V.A.3. and V.B.5.) Discharger failed to disclose any non-compliance during the reporting year in acco
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger did not report USEPA exceedances in the 2008-2009 Annual Report, this violates B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: SWPPP is not in compliance with B.O. R6T-2005-0015, section 9 of the Standard Provisions in Attachment E and Order Conditions section V.C Stormwater Pollution Prevention Plan. SWPPP was not signed. SWPPP did not have sampling sites clearly labeled on the map.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Total Suspended Solids (TSS) Instantaneous Maximum limit is 100.0 mg/L and reported value was 390.0 mg/L.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 11-17-2009
Citation: California Water Code

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Description:	Not reported
Violation Notes:	Storm water sample collected on 5/3/2009 was not analyzed for all the required parameters, this violates B.O. R6T-2005-0015, Order Conditions, section VI.4.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	09-12-2017
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATIONS: The most recent submittal to the California Environmental Reporting System (CERS) was completed on 10/27/2015. CORRECTIVE ACTIONS: Review and re-submittal to CERS on an annual basis.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	10-31-2014
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes:	Returned to compliance on 03/04/2015. Document monthly tank inspections and maintain records on site.
Violation Division:	Placer County Environmental Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA
Violation Date:	11-17-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Iron, Total Instantaneous Maximum limit is 4.0 mg/L and reported value was 8.0 mg/L.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	CIWQS
Site ID:	138790
Site Name:	NORTH TAHOE MARINA

NORTH TAHOE MARINA (Continued) **S102005335**

Violation Date: 11-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger did not address necessary changes to stop USEPA Benchmark exceedances. Violation of B.O. R6T-2005-0015, Monitoring and Reporting, section VI.A.5.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 12-06-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Inadequate SWPPP
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 02-01-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to report effluent limitation exceedance in violation of B.O. R6T-2011-0024 Attachment E, Section V.A.2.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Violation Date: 04-18-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit minimum number of visual inspections(Req. by Attachment E, II.A.2.), failed to conduct the minimum number of storm water samples(Req. by Attachment E, IV.A.1.a.), failed to sample all effluent limits (Section V.A.1. Attachment E, Section IV.A.1.a.), failed to achieve specific reporting level for iron (Req. by Section V.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Small Quantity Generator inspection on site, consented by Jim Walsh. Be sure all hazardous waste containers are correctly labeled at all times. No other violations observed at the time of the inspection. Observed 3 years of waste manifests. Observed waste analysis forms being maintained with manifests. Observed all employee training records. Shop is well organized with adequate isle

NORTH TAHOE MARINA (Continued) **S102005335**

	space. Fire extinguishers, spill kits, proper PPE, and eye wash stations available.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2000
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Materials Business Plan (HMBP) program. Reviewed most recent submittal to CERS. Employee training records were available for review at the time of the inspection. Verified inventory and facility layout.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Generator inspection on site, consented by Cathy Walsh. Observed proper secondary containment for all waste storage containers. All containers are closed, sealed, and labeled. Observed spill kits and current fire extinguishers. Employees are trained annually on hazardous waste and hazardous material management. Thank you for your cooperation during this inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Welding gases have recently been moved to the main shop. Update site map on CERS to reflect the new location within 30 days of the move. Chemical inventory is reflective of chemicals on hand.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Date:	10-31-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. Business Plan was resubmitted to CERS for the annual recertification on 10/3/2014. No violations observed at the time of the inspection. Facility maintained a paper copy of the business plan on site as well as in CERS.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Above Ground Storage Tank inspection on site, consented by Jim Walsh. SPCC has been amended to reflect new shop and current above ground petroleum storage quantities. Gap in curved containment for convault tank has been fixed. Observed employee training logs. All convault tanks annular spaces are continuously monitored via veeder root TSL-350 and annular sensors. Piping to the dock dispensers is double walled. Any breaks in the piping are contained in sumps, with sensors being continuously monitored via Veeder Root system. Be sure to record your monthly inspection logs. LA Perks does annual testing on tanks. Be sure to maintain all service and testing records for the above ground tanks.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. Observed current copy of the Hazardous Material Business Plan maintained on site. Facility has updated the site map to incooperate new shop. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov North Tahoe Marina's CERS ID # is 10204687. HMBP and SPCC plans must be submitted to CERS within 30 days from this inspection report. Note: a CERS guidence document was left with Cathy

NORTH TAHOE MARINA (Continued) **S102005335**

	at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-24-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Aboveground Storage Tank inspection on site, consented by Cathy Walsh. Update Section 3 of the SPCC plan to delineate which industry standard facility is using for tank inspections. Convault tanks are monitored through a Veeder Root system. Be sure all sensors get tested annually to verify that they are in proper working order and maintain records on site. Observed SPCC plan and employee training documents maintained on site. Observed any amendments to the plan documented in the back of the SPCC plan as required. Check the annular space in the used oil, diesel, and used antifreeze tank annually and document.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Small Quantity Waste Generator inspection on site, consented by Cathy Walsh. No violations observed at the time of the inspection. All waste containers were closed, secured, and properly labeled at the time of the inspection. All fire extinguishers get serviced annually. Facility is well organized. Proper spill kits and PPE maintained on site. Recommend filing the designated facility's signed copy of the manifest with the original.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-04-1998
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection

NORTH TAHOE MARINA (Continued) **S102005335**

Eval Date:	05-22-2001
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-1999
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-19-2008
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Cathy and Jim Walsh to conduct the routine inspection for the Aboveground Storage Tank program. Facility is a Tier 1 facility with storage capacity of 9350 gallons. The largest container is 2000 gallons. Reviewed SPCC plan. Verified type, capacity, contents, and location of aboveground tanks. Records of monthly inspections were available for review at the time of the inspection. Veeder Root system is installed to monitor convault tanks and the aboveground piping sumps. Annual monitoring certification for sensors connected to the Veeder Root system is conducted by LA Perks. Training records were available for review at the time of the inspection. Will work with operator to determine appropriate schedule for integrity testing of aboveground tanks. The five year review of the SPCC plan is due in November 2017.
Eval Division:	Placer County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Cathy and Jim Walsh to conduct the routine inspection for the Hazardous Waste Generator (HWG) program. Facility is a Small Quantity Generator. Waste includes used oil, waste gasoline, used oil filters, used antifreeze, and oily solids. Waste hauler is Asbury Environmental Services. Safety Kleen hauls waste from the parts washer. Waters maintains the storm water filtration system. Reviewed

NORTH TAHOE MARINA (Continued) **S102005335**

EPA ID profile. Manifests were available for review at the time of the inspection. Routine training and inspections of the waste area are conducted.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Placer County Environmental Health
Eval Program: APSA
Eval Source: CERS

Enforcement Action:
Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 02-19-2016
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 03-08-2007
Enf Action Type: Notice to Comply (Minor Violations)
Enf Action Description: Notice to Comply for Minor Violations
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: CIWQS

Site ID: 138790
Site Name: NORTH TAHOE MARINA
Site Address: 7360 N LAKE BLVD
Site City: TAHOE VISTA
Site Zip: 96148
Enf Action Date: 10-31-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: APSA
Enf Action Source: CERS

Site ID: 138790

NORTH TAHOE MARINA (Continued) **S102005335**

Site Name:	NORTH TAHOE MARINA
Site Address:	7360 N LAKE BLVD
Site City:	TAHOE VISTA
Site Zip:	96148
Enf Action Date:	10-31-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Placer County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300

Affiliation Type Desc:	Identification Signer
Entity Name:	Cathleen Walsh
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Cathleen Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Cathy Walsh
Entity Title:	Not reported
Affiliation Address:	PO Box 189
Affiliation City:	Tahoe Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96148
Affiliation Phone:	(530) 546-8248

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 189

NORTH TAHOE MARINA (Continued) **S102005335**

Affiliation City:	TAHOE VISTA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	96148
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	WALSH, JAMES & VIRGINIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 546-8248
Affiliation Type Desc:	Operator
Entity Name:	Walsh, Jim & Virginia
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	North Tahoe Marina
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	WALSH, JAMES & CATHLEEN
Entity Title:	Not reported
Affiliation Address:	PO BOX 189
Affiliation City:	TAHOE VISTA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	96148
Affiliation Phone:	(530) 546-8248

J67 **CALIFORNIA PACIFIC ELECTRIC COMPANY LLC, KINGS BEA** **AST** **A100418161**
NE **DEER & SPECKLED AVE** **N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.220 mi.
1160 ft. **Site 1 of 2 in cluster J**

Relative: AST:
Higher

Certified Unified Program Agencies:	Not reported
Owner:	LIBERTY UTILITIES/CALIFORNIA PACIFIC ELECTRIC COMPANY
Total Gallons:	Not reported
CERSID:	10205314

Actual:
6320 ft.

CALIFORNIA PACIFIC ELECTRIC COMPANY LLC, KINGS BEACH GENERAT (Continued) **A100418161**

Facility ID:	Not reported
Business Name:	LIBERTY UTILITIES (CalPeco Electric) LLC
Phone:	(530) 546-1744
Fax:	Not reported
Mailing Address:	701 NATIONAL AVE.
Mailing Address City:	TAHOE VISTA
Mailing Address State:	CA
Mailing Address Zip Code:	96148
Operator Name:	Liberty Utilities
Operator Phone:	(530) 721-3213
Owner Phone:	(530) 546-1744
Owner Mail Address:	933 ELOISE AVE
Owner State:	CA
Owner Zip Code:	96150
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

J68 **LIBERTY UTILITIES-CALPECO BROCKWAY SUBSTATION** **CHMIRS S120761330**
NE **8303 CUTTHROAT AVE** **CA PLACER CO. MS N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.222 mi.
1171 ft. **Site 2 of 2 in cluster J**

Relative: **Higher**

Actual: **6315 ft.**

CHMIRS:

OES Incident Number:	17-0495
OES notification:	01/17/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

LIBERTY UTILITIES-CALPECO BROCKWAY SUBSTATION (Continued) **S120761330**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Utilities/Substation
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	500
Year:	2017
Agency:	Liberty Utilities
Incident Date:	01/16/2017
Admin Agency:	Placer County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Unknown PCB Mineral Oil
Quantity Released:	200
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that 200 gallons of Unknown PCB Mineral Oil released, from a regulator, due to inclimate weather. The release is contained and was cleaned by H2O Environmental. No waterways were impacted.

PLACER CO. MS:

Facility ID:	FA0020861
Facility Status:	Active
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0018779
District Code:	66
Decode for Fstatus:	Active

K69 **SHELL SERVICE STATION 135394** **RCRA-SQG** **1004678413**
ESE **HWY 28 & BEAR** **CAR000108761**
1/8-1/4 **KINGS BEACH, CA 95719**
0.234 mi.
1233 ft. **Site 1 of 6 in cluster K**

Relative:
Higher

Actual:
6250 ft.

RCRA-SQG:

Date form received by agency:	02/28/2002
Facility name:	SHELL SERVICE STATION 135394
Facility address:	HWY 28 & BEAR KINGS BEACH, CA 95719
EPA ID:	CAR000108761
Mailing address:	PO BOX 2648 HOUSTON, TX 77252
Contact:	SONDRA E BIENVENU
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	713-241-5036
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EQUILON ENTERPRISES L L C
Owner/operator address:	P O BOX 2648 HOUSTON, TX 77252
Owner/operator country:	Not reported
Owner/operator telephone:	713-241-5036
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

SHELL SERVICE STATION 135394 (Continued) **1004678413**

Historical Generators:
Date form received by agency: 02/28/2002
Site name: SHELL SERVICE STATION 135394
Classification: Large Quantity Generator

Date form received by agency: 11/13/2001
Site name: SHELL SERVICE STATION
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

K70 **KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL)** **LUST S106567631**
East **8369 KINGS BEACH** **CERS N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.239 mi.
1264 ft. **Site 2 of 6 in cluster K**

Relative:
Higher

Actual:
6252 ft.

LUST:
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606118993
Global Id: T0606118993
Latitude: 39.2373715718679
Longitude: -120.02528890832
Status: Completed - Case Closed
Status Date: 11/18/2014
Case Worker: TML
RB Case Number: 6T0371A
Local Agency: PLACER COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606118993
Contact Type: Regional Board Caseworker
Contact Name: TAMMY LUNDQUIST
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BLVD.
City: SOUTH LAKE TAHOE
Email: tammy.lundquist@waterboards.ca.gov
Phone Number: 5305425400

LUST:
Global Id: T0606118993
Action Type: RESPONSE
Date: 02/15/2006

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 06/30/2006
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0606118993
Action Type: RESPONSE
Date: 05/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 04/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 11/16/2005
Action: Meeting

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 11/20/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 05/01/2008
Action: Verbal Enforcement

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 08/17/2007
Action: Verbal Enforcement

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 02/11/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 05/22/2008
Action: Staff Letter

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 10/29/2010
Action: Verbal Enforcement

Global Id: T0606118993
Action Type: Other
Date: 08/06/2004
Action: Leak Reported

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 01/31/2013
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 02/03/2014
Action: Request for Closure - Regulator Responded

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/31/2014
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0606118993
Action Type: RESPONSE
Date: 07/10/2008
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0606118993
Action Type: RESPONSE
Date: 02/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/17/2007
Action: Verbal Communication

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/13/2007
Action: Other Report / Document

Global Id: T0606118993
Action Type: RESPONSE

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Date: 02/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 06/28/2013
Action: Correspondence

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 04/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 07/06/2005
Action: * Verbal Communication

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/15/2008
Action: Monitoring Report - Quarterly

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 05/16/2005
Action: Staff Letter

Global Id: T0606118993
Action Type: REMEDIATION
Date: 05/23/2006
Action: Pump & Treat (P&T) Groundwater

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 07/20/2010
Action: Site Visit / Inspection / Sampling

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 10/04/2010
Action: Verbal Enforcement

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 08/05/2010
Action: File review

Global Id: T0606118993
Action Type: RESPONSE
Date: 04/28/2008
Action: Interim Remedial Action Plan

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 05/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 09/29/2014
Action: Well Destruction Report

Global Id: T0606118993
Action Type: RESPONSE

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Date: 07/23/2014
Action: Email Correspondence

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 06/05/2014
Action: Verbal Enforcement

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 11/18/2014
Action: Closure/No Further Action Letter

Global Id: T0606118993
Action Type: RESPONSE
Date: 02/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 05/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 01/06/2009
Action: Verbal Communication

Global Id: T0606118993
Action Type: RESPONSE
Date: 08/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 03/18/2005
Action: Staff Letter

Global Id: T0606118993
Action Type: REMEDIATION
Date: 07/15/2004
Action: Excavation

Global Id: T0606118993
Action Type: REMEDIATION
Date: 06/23/2011
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0606118993
Action Type: RESPONSE
Date: 10/22/2004
Action: Preliminary Site Assessment Workplan

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 09/25/2004
Action: Staff Letter

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 06/06/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 04/17/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 03/10/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 08/29/2006
Action: Staff Letter

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 03/08/2007
Action: Staff Letter

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/17/2010
Action: Remedial Progress Report

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 11/14/2006
Action: Meeting

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 03/30/2006
Action: Staff Letter

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 09/11/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 03/30/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 04/07/2014
Action: Notification - Preclosure

Global Id: T0606118993
Action Type: Other

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Date: 07/15/2004
Action: Leak Discovery

Global Id: T0606118993
Action Type: RESPONSE
Date: 01/31/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0606118993
Action Type: RESPONSE
Date: 03/09/2011
Action: Correspondence

Global Id: T0606118993
Action Type: RESPONSE
Date: 06/23/2011
Action: Verbal Communication

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2011
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: RESPONSE
Date: 05/15/2005
Action: Other Workplan

Global Id: T0606118993
Action Type: RESPONSE
Date: 11/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 09/24/2004
Action: Staff Letter

Global Id: T0606118993
Action Type: ENFORCEMENT
Date: 05/13/2008
Action: Verbal Enforcement

LUST:
Global Id: T0606118993
Status: Completed - Case Closed
Status Date: 11/18/2014

Global Id: T0606118993
Status: Open - Case Begin Date
Status Date: 07/15/2004

Global Id: T0606118993
Status: Open - Eligible for Closure
Status Date: 03/11/2014

Global Id: T0606118993

KINGS BEACH CHEVRON (FORMERLY KINGS BEACH SHELL) (Continued) **S106567631**

Status: Open - Remediation
Status Date: 06/22/2006

Global Id: T0606118993
Status: Open - Site Assessment
Status Date: 10/18/2004

Global Id: T0606118993
Status: Open - Site Assessment
Status Date: 10/20/2004

Global Id: T0606118993
Status: Open - Site Assessment
Status Date: 11/01/2004

Global Id: T0606118993
Status: Open - Verification Monitoring
Status Date: 04/30/2012

CERS TANKS:
Site ID: 217124
CERS ID: T0606118993
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: TAMMY LUNDQUIST - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD.
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5305425400

K71 **KINGS BEACH SHELL** **LUST** **S105790691**
ESE **8369 NORTH LAKE BLVD.** **N/A**
1/8-1/4 **KINGS BEACH, CA**
0.243 mi.
1283 ft. **Site 3 of 6 in cluster K**

Relative:
Higher

Actual:
6251 ft.

LUST REG 6L:
Region: 6L
Case Number: 6T0 361 A
Active OR Closed Site: Active
Date Closed: Not reported
Type Of Site: UST

K72 **KING'S BEACH SHELL** **LUST** **S110502593**
ESE **8369 NORTH LAKE BLVD** **EMI** **N/A**
1/8-1/4 **KINGS BEACH, CA** **CERS**
0.243 mi.
1283 ft. **Site 4 of 6 in cluster K**

Relative:
Higher

Actual:
6251 ft.

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606173618
Global Id:	T0606173618
Latitude:	39.237459886251
Longitude:	-120.02543142576
Status:	Completed - Case Closed
Status Date:	11/18/2014
Case Worker:	TML
RB Case Number:	6T0361A
Local Agency:	PLACER COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0606173618
Contact Type:	Regional Board Caseworker
Contact Name:	TAMMY LUNDQUIST
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 LAKE TAHOE BLVD.
City:	SOUTH LAKE TAHOE
Email:	tammy.lundquist@waterboards.ca.gov
Phone Number:	5305425400

LUST:

Global Id:	T0606173618
Action Type:	RESPONSE
Date:	02/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0606173618
Action Type:	RESPONSE
Date:	11/13/2007
Action:	Other Report / Document
Global Id:	T0606173618
Action Type:	RESPONSE
Date:	06/30/2006
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0606173618
Action Type:	RESPONSE
Date:	08/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0606173618
Action Type:	RESPONSE
Date:	08/15/2005
Action:	Monitoring Report - Quarterly

KING'S BEACH SHELL (Continued) **S110502593**

Global Id: T0606173618
Action Type: RESPONSE
Date: 04/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 11/16/2005
Action: Meeting

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 02/19/2004
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/08/2005
Action: * Verbal Communication

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 09/16/2004
Action: * Verbal Communication

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 05/01/2008
Action: Verbal Enforcement

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 05/22/2008
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 11/20/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 10/29/2010
Action: Verbal Enforcement

Global Id: T0606173618
Action Type: Other
Date: 10/31/2002
Action: Leak Reported

Global Id: T0606173618
Action Type: RESPONSE

KING'S BEACH SHELL (Continued) **S110502593**

Date: 11/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 06/28/2013
Action: Correspondence

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 01/31/2013
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 07/15/2004
Action: Staff Letter

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/03/2014
Action: Request for Closure - Regulator Responded

Global Id: T0606173618
Action Type: RESPONSE
Date: 08/31/2014
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0606173618
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 08/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 04/15/2013
Action: Monitoring Report - Quarterly

KING'S BEACH SHELL (Continued) **S110502593**

Global Id: T0606173618
Action Type: RESPONSE
Date: 08/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 08/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 04/28/2008
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/01/2003
Action: Sensitive Receptor Survey Report

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/16/2005
Action: Meeting

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 05/16/2005
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 12/13/2004
Action: * Verbal Communication

Global Id: T0606173618
Action Type: ENFORCEMENT

KING'S BEACH SHELL (Continued) **S110502593**

Date: 06/22/2004
Action: * Verbal Communication

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/03/2005
Action: Site Visit / Inspection / Sampling

Global Id: T0606173618
Action Type: REMEDIATION
Date: 05/23/2006
Action: Pump & Treat (P&T) Groundwater

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 11/18/2014
Action: Closure/No Further Action Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 07/20/2010
Action: Site Visit / Inspection / Sampling

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 08/05/2010
Action: File review

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 10/04/2010
Action: Verbal Enforcement

Global Id: T0606173618
Action Type: RESPONSE
Date: 08/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 07/10/2008
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/23/2009
Action: Other Report / Document

KING'S BEACH SHELL (Continued) **S110502593**

Global Id: T0606173618
Action Type: RESPONSE
Date: 01/06/2009
Action: Verbal Communication

Global Id: T0606173618
Action Type: RESPONSE
Date: 09/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 09/07/2005
Action: Site Visit / Inspection / Sampling

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/30/2006
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 05/02/2013
Action: Clean Up Fund - Letter to RP

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 09/08/2014
Action: Verbal Communication

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 04/07/2014
Action: Notification - Preclosure

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 08/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0606173618
Action Type: RESPONSE

KING'S BEACH SHELL (Continued) **S110502593**

Date: 06/28/2010
Action: Correspondence

Global Id: T0606173618
Action Type: RESPONSE
Date: 09/29/2014
Action: Well Destruction Report

Global Id: T0606173618
Action Type: RESPONSE
Date: 07/23/2014
Action: Email Correspondence

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 01/13/2004
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 04/23/2003
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/12/2003
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 08/29/2006
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 04/17/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0606173618
Action Type: REMEDIATION
Date: 06/23/2011
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 11/14/2006
Action: Meeting

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/30/2003
Action: Preliminary Site Assessment Report

Global Id: T0606173618
Action Type: RESPONSE
Date: 10/15/2004
Action: Other Report / Document

KING'S BEACH SHELL (Continued) **S110502593**

Global Id: T0606173618
Action Type: RESPONSE
Date: 04/15/2003
Action: Preliminary Site Assessment Workplan

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/06/2003
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 08/18/2003
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/18/2005
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 07/06/2005
Action: * Verbal Communication

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 06/06/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/08/2007
Action: Staff Letter

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/29/2003
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 04/01/2004
Action: Other Workplan

Global Id: T0606173618
Action Type: RESPONSE
Date: 12/27/2003
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE

KING'S BEACH SHELL (Continued) **S110502593**

Date: 11/17/2010
Action: Remedial Progress Report

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/10/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 09/11/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/30/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 06/05/2014
Action: Verbal Enforcement

Global Id: T0606173618
Action Type: Other
Date: 10/29/2002
Action: Leak Discovery

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/20/2004
Action: Other Workplan

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 09/15/2004
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/21/2004
Action: Other Report / Document

Global Id: T0606173618
Action Type: RESPONSE
Date: 03/09/2011
Action: Correspondence

KING'S BEACH SHELL (Continued) **S110502593**

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/15/2011
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 06/23/2011
Action: Verbal Communication

Global Id: T0606173618
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 05/20/2004
Action: * Verbal Communication

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/15/2005
Action: Other Workplan

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 02/25/2005
Action: Soil and Water Investigation Report

Global Id: T0606173618
Action Type: RESPONSE
Date: 05/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 11/15/2011
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: RESPONSE
Date: 01/31/2012
Action: Monitoring Report - Quarterly

Global Id: T0606173618
Action Type: ENFORCEMENT

KING'S BEACH SHELL (Continued) **S110502593**

Date: 05/21/2003
Action: Meeting

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 03/02/2005
Action: * Verbal Communication

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 07/06/2004
Action: Staff Letter

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 08/17/2007
Action: Verbal Enforcement

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 02/11/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 05/13/2008
Action: Verbal Enforcement

Global Id: T0606173618
Action Type: ENFORCEMENT
Date: 06/08/2004
Action: * Verbal Communication

LUST:
Global Id: T0606173618
Status: Completed - Case Closed
Status Date: 11/18/2014

Global Id: T0606173618
Status: Open - Case Begin Date
Status Date: 10/29/2002

Global Id: T0606173618
Status: Open - Eligible for Closure
Status Date: 03/11/2014

Global Id: T0606173618
Status: Open - Remediation
Status Date: 09/17/2004

Global Id: T0606173618
Status: Open - Remediation
Status Date: 06/22/2006

Global Id: T0606173618
Status: Open - Site Assessment
Status Date: 04/18/2003

KING'S BEACH SHELL (Continued) **S110502593**

Global Id: T0606173618
Status: Open - Site Assessment
Status Date: 04/21/2003

Global Id: T0606173618
Status: Open - Site Assessment
Status Date: 04/23/2003

Global Id: T0606173618
Status: Open - Site Assessment
Status Date: 01/30/2004

Global Id: T0606173618
Status: Open - Verification Monitoring
Status Date: 08/29/2005

Global Id: T0606173618
Status: Open - Verification Monitoring
Status Date: 04/30/2012

EMI:

Year:	2008
County Code:	31
Air Basin:	LT
Facility ID:	955
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.006475
Reactive Organic Gases Tons/Yr:	1.0027510425
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	31
Air Basin:	LT
Facility ID:	955
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.73533000000000004
Reactive Organic Gases Tons/Yr:	0.73499999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year: 2010

KING'S BEACH SHELL (Continued) **S110502593**

County Code:	31
Air Basin:	LT
Facility ID:	955
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.77000000000000002
Reactive Organic Gases Tons/Yr:	0.76715100000000003
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	31
Air Basin:	LT
Facility ID:	955
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.77
Reactive Organic Gases Tons/Yr:	0.767151
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	31
Air Basin:	LT
Facility ID:	955
Air District Name:	PLA
SIC Code:	5541
Air District Name:	PLACER COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.77
Reactive Organic Gases Tons/Yr:	0.767151
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS TANKS:

Site ID:	253415
CERS ID:	T0606173618
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker

KING'S BEACH SHELL (Continued) **S110502593**

Entity Name: TAMMY LUNDQUIST - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD.
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5305425400

K73 **KINGS BEACH CHEVRON** **UST** **U003785803**
ESE **8369 N LAKE BLVD** **N/A**
1/8-1/4 **KINGS BEACH, CA 96143**
0.243 mi.
1283 ft. **Site 5 of 6 in cluster K**

Relative:
Higher

Actual:
6251 ft.

UST:
Facility ID: Not reported
Permitting Agency: Placer County Environmental Health
Latitude: Not reported
Longitude: Not reported

Facility ID: FA0000810
Permitting Agency: PLACER COUNTY
Latitude: 39.2387324
Longitude: -120.0237103

K74 **KINGS BEACH SHELL** **CERS HAZ WASTE** **U001614763**
ESE **8369 N LAKE BLVD** **HIST UST** **N/A**
1/8-1/4 **KINGS BEACH, CA 95719** **CERS TANKS**
0.243 mi. **CA PLACER CO. MS**
1283 ft. **Site 6 of 6 in cluster K** **CERS**

Relative:
Higher

Actual:
6251 ft.

CERS HAZ WASTE:
Site ID: 41778
CERS ID: 10204768
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 09-18-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 09/21/2018. The facility's inventory is missing 120 gallons of waste test water. Add 120 gallons of waste test water to to the hazardous materials inventory and resubmit to CERS as proof of correction by 10/18/2018.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP

KINGS BEACH SHELL (Continued) **U001614763**

Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Always keep sensors at the lowest points in the sumps. This is a Class 1 violation. Never more sensors. If sensor goes off due to water in the sump, water must be pumped out and disposed of properly, comments on the alarm log and alarm cleared. Note: Ron from LA Perks installed sensor holders at the end of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.
Violation Notes: Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 01/07/2016. Monitoring Plan was not available on site at the time of the inspection, but all other paperwork was observed. Correct by 1/14/2016.

KINGS BEACH SHELL (Continued) **U001614763**

Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description:	Failure to use a registered hazardous waste hauler to transport hazardous waste.
Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 12/12/2014. Facility does not currently have an EPA ID number. Gave facility owner the paperwork/information on how to obtain an active EPA ID number. Correct within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-21-2016
Citation:	23 CCR 16 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1)
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 12/21/2016. 1) Diesel fill sump sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site. 2) 87 annular sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778

KINGS BEACH SHELL (Continued) **U001614763**

Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Description:	Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.
Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes:	Returned to compliance on 03/10/2015. Submit current Designated Operator form (left with Jeff at the time of the inspection) to this office within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	HSC 6.5 25187.6 - California Health and Safety Code, Chapter 6.5, Section(s) 25187.6
Violation Description:	No person shall remove, transfer, or dispose of the hazardous waste until permission for removal, transfer, or disposal is given by an authorized agent.
Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

KINGS BEACH SHELL (Continued) **U001614763**

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-17-2013
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 12/10/2014. Business plan on site was dated 2003. Be sure to maintain the most current business plan on site. This is a repeat violation, plan was sent to operator electronically 12/3/2012. Be sure to print and maintain a hard copy.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-15-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 01/07/2016. Certificate Of Financial Responsibility must be completed annually. Correct by 1//14/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-21-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 12/31/2016. Change tank annular sensor from 208 to 420 sensors on the monitoring plan for all tanks by 1/20/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-21-2016
Citation:	23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description:	Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes:	Returned to compliance on 12/21/2016. 87 annular sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON

KINGS BEACH SHELL (Continued) **U001614763**

Violation Date:	12-15-2015
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Always keep sensors at the lowest points in the sumps. This is a Class 1 violation. Never more sensors. If sensor goes off due to water in the sump, water must be pumped out and disposed of properly, comments on the alarm log and alarm cleared. Note: Ron from LA Perks installed sensor holders at the end of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-15-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 01/07/2016. Update facility site map to show the location of the hazardous waste storage, switch the premium and diesel tanks, location of the monitoring panel, spill kit locations, and any storm drains. Correct by 1/14/2016.
Violation Division:	Placer County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-15-2015
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 12/15/2015. Observed all three spill buckets filled with liquid at the start of the inspection. Drain and properly dispose of any liquids in the spill buckets immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	01-31-2018
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637

KINGS BEACH SHELL (Continued) **U001614763**

Violation Description:	Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes:	Returned to compliance on 03/14/2018. Since tanks were installed in June of 2004, all secondary containment is required to be tested every 36 months, including the fill sumps and vent piping. Secondary containment testing was conducted on 10/15/2017 but excluded the fill sumps and vent piping. Test and provide results to this office no later than 3/2/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-21-2016
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 12/21/2016. Facility's last monitoring certification was conducted on 12/15/16. Be sure annual testing is completed within 365 days from the year before. Testing is due no later than 12/15/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 12/10/2014. Sensor located in the diesel sump was observed in the middle of the sump floor at the start of the inspection. Be sure sensors are located at the lowest point of the sump, near the product piping. Corrected at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous

KINGS BEACH SHELL (Continued) **U001614763**

	Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	09-18-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/21/2018. The facility's DO form submitted to CERS is expired. Submit an updated DO form to CERS as proof of correction by 10/18/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	01-31-2018
Citation:	23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	Returned to compliance on 02/02/2018. All sensors must be identified on plot plan. Provide SLS and PLD sensor locations for split tank on plot plan and submit to CERS by 3/2/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-15-2015
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Observed water in the spill buckets and

KINGS BEACH SHELL (Continued) **U001614763**

fill sumps. Be sure any liquids are removed and properly disposed of immediately.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 09-18-2018
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Observed liquid in the 91 STP, the 87 STP, and fuel in UDC 3/4. The tester pumped all fluid out before closing up the site. It appeared that there were leaking meters and/or filters in UDC 3/4. The operator stated the facility is aware of the issue and already has a call in for service. Provide Placer County Environmental Health with a copy of the repair receipt as proof of correction by 10/18/2018.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 01-31-2018
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 01/31/2018. Observed diesel fuel on the bottom of UDC 1/2 and 3/4 due to failing O-rings. Diesel was removed from the dispensor pans at the time of the inspection and facility will have the O-rings replaced. There was not enough diesel in pans to trigger the sensors.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 12/15/2015. Observed liquid in all fill sumps and spill buckets. Be sure to remove any liquid immediately and dispose of properly.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: No

KINGS BEACH SHELL (Continued) **U001614763**

Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Kathy Hemmen. Facility changed ownership in August of 2017. No wastes have been removed from facility since the change in ownership. Observed a properly labeled 55 gallon drum with waste water on site, roughly half full. Observed a properly labeled 5 gallon drum with waste absorbents on site, roughly half full. Wastes must be properly disposed of by July 2018 and a copy of the waste manifest maintained on site for a minimum of 3 years. Observed empty drums properly labeled.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Kathy Hemmen. No violations observed at the time of the inspection. Business Plan is reflective of chemicals maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Rod Clohan of King's Beach Chevron for the facility's annual Hazardous Materials Business Plan (HMBP) inspection. Reviewed materials and quantities on-site. Reviewed annual employee training records. Employee training last conducted on: 7/6/2018 Records were present and complete at time of inspection. The facility last submitted their complete HMBP to the California Environmental Reporting System (CERS) on 9/17/2018. The facility's inventory is missing 120 gallons of waste test water. Add 120 gallons of waste test water to to the hazardous materials inventory and resubmit to CERS as proof of correction by 10/18/2018. The facility owner is the property owner. HMBP notification to the property owner is not required.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. Be sure to maintain most current HMBP on site. Chemical inventory sheets are reflective of the inventory on hand. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go

KINGS BEACH SHELL (Continued) **U001614763**

	to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. Left a CERS Guidence Document with Jeff at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff Sauer. Observed a waste container for solids and one for liquids. Both containers were closed, secured, and labeled at the time of the inspection. Facility has well under 27 gallons of hazardous materials on site. No manifests observed due to small amount of wastes being generated. Facility has not removed wastes in a few years. No violations observed at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. No violations observed at the time of the inspection. CERS resubmittal due by 1/6/2017.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Rod Clohan of King's Beach Chevron and tank tester Tony Fontana of Bill McKarthy Testing for the facility's annual monitoring certification and underground storage tank inspection. Verified that the facility's BOE #44052490 is valid for the following entity: C & J COX CORPORATION Business Name: KINGS BEACH CHEVRON Verified the following certs for Tony Fontana: ICC testing cert expires: 05/01/2020 VMI testing cert expires: 06/07/2019 Veeder Root Lvl 4 cert expires: 07/29/2019 VMI LLD testing box was last certified on: 9/27/2016 Observed liquid in the 91 STP, the 87 STP, and fuel in UDC 3/4. It appeared that there were leaking meters and/or filters in UDC 3/4. The operator stated the facility is aware of the issue and already has a call in for service. The tester pumped all fluid out before closing up the site. Provide Placer County Environmental Health with a copy of the repair receipt as proof of correction by 10/18/2018. All [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS

KINGS BEACH SHELL (Continued) **U001614763**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff. No violations observed at the time of the inspection. Secondary containment testing due in 2014. Uunderground Storage Tank permit expires 4/6/2015. Observed spill bucket, sensor, electronic line leak detector, and emergency stop testing by LA Perks at the time of the inspection. Observed employee training records. Observed Designated Operator monthly inspection logs. Facility maintains a copy of the UST permit and paperwork on site. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff Sauer. Chief Financial Letter and Certificate Of Financial Responsibility must be updated in CERS no later than 1/6/2017 for compliance. Update annular sensors on Monitoring Plans in CERS by 1/20/2017. SB989 secondary containment testing is due by 12/10/2017. Spill buckets, turbine sump sensors, and LLDs passed at the time of the inspection. 87 annular sensor and diesel fill sump sensor failed at the start of the inspection. Both sensors were replaced, retested, and passed at the time of the inspection. Observed all required paperwork maintained on site. Be sure monitoring certification is completed within 365 days from the last inspection. Since 2016 monitoring certification was due by 12/15/2016, 2017 must be completed by 12/15/2017.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site with Rod Clohan of King’s Beach Chevron for the facility’s annual Hazardous Waste Generator inspection. The facility has an active EPA ID# at this time: CAL000430276 Reviewed materials and quantities on-site Waste streams on-site include fuel filters, gas/diesel test water, used absorbent (kitty litter), and used fuel hoses/nozzles. One waste solid drum (10 gallons) and three waste liquid drums (2@55 gallons 1@10 gallons) were observed on-site. Drums were tightly secured at time of inspection. Drums were empty at time of inspection. Drums were properly labeled at time of inspection.

KINGS BEACH SHELL (Continued) **U001614763**

Reviewed waste receipts for 2017/2018. Facility had a recent ownership change in August of 2017. The facility has only had one recent pick-up since change of ownership. Review of the hazardous waste tracking system indicated that the manifest has not yet been up loaded because the pick-up was so recent. Fuel filters, hoses, and nozzles are managed by a third [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. Facility was submitted into the California Environmental Reporting System (CERS) on 10/23/2014. No Hazardous Material Business Plan violations observed at the time of the inspection. Next CERS resubmittal is due on 10/23/2015.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeffrey Sauer. Last CERS submittal was 1/6/2015. Be sure to resubmit the Business Plan by 1/6/2016 for compliance. Update site map to show the location of all required information. Observed annual employee training documents. Observed a paper copy of the Business Plan maintained on site.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank Inspection on site, consented by Kathy Hemmen. Annual monitoring certification and SB989 testing were moved up from December to October. Next monitoring certification is due by 10/18/2018. Facility replaced the circuit board on the TLS-350 monitoring panel on 9/15/2017 due to failure. Site was cold started and all sensors tested after. Per monitoring certification submitted to this office for the cold start, the 208 sensor for UDC 1/2 failed and was replaced/tested/passed at the time of the certification. SB989 testing was conducted on 10/18/2017. Due to the year the tanks were installed, all secondary containment components must be tested. Correct by 3/2/2018. Note: notify this office at least 48 hours prior to testing. Inspection was conducted independently from annual monitoring certification. UDCs were opened at the time of the inspection. Observed all UDC sensors in proper location with tags dated [Truncated]
Eval Division: Placer County Environmental Health

KINGS BEACH SHELL (Continued) **U001614763**

Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff Sauer. Facility was not properly maintaining or disposing of hazardous waste at the time of the inspection. Went over hazardous waste regulations and requirements with Jeff at the time of the inspection. Facility must obtain an EPA ID number. Gave proper paperwork to Jeff to get an ID number at the time of the inspection. Note: No hazardous wastes were observed at the time of the inspection. Per Jeff, very little waste is generated, just some occasional water in the sumps and some used absorbent from small spills from customers fueling their vehicles.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff Sauer. On site with Ron Wood from LA Perks to witness annual monitoring ceritification and SB 989 testing. All equipment passed at the time of the inspection. Observed the following tests: ELLD, annular sensors, sump and UDC sensors, annular and secondary line testing, fail safe, spill Bucket testing, fill/turbine/UDC sumps. UST permit expires on 4/6/15. Observed proper paperwork, including DO records and alarm logs maintained on site. Received Monitoring and SB 989 test results via e-mail at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generation on site, consented by Jeffrey Sauer. Observed small waste can for solid absorbent materials. Only a handful of product was in container at the time of the inspection. Container was closed, secured, and labeled at the time of the inspection. Provide a waste drum for gas/water mixture. Note: Ron from LA Perks will be removing the water that was observed in the underground storage tank sumps at the time of the inspection. No manifests available. Per Jeff, wastes have not been removed since last year.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

KINGS BEACH SHELL (Continued) **U001614763**

Eval Date: 12-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeffrey Sauer. Observed raised sensors at the start of the inspection. Refrain from doing this. Observed standing water in all spill buckets and fill sumps. Always remove water immediately and dispose of properly. Observed employee training and Designated Operator records. Observed UST Standard Operating Permit maintained on site. Observed daily alarm logs maintained on site. Provide a copy of the monitoring plan on site. Note: Designated Operator ICC certification expires January 2016. Be sure to provide a current DO form in CERS once he gets re-certified.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff. No violations observed at the time of inspection. No waste generation at the time of the inspection. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. Left a CERS Guidence Document with Jeff at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-10-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-10-2014
Enf Action Type: Notice of Violation (Unified Program)

KINGS BEACH SHELL (Continued) **U001614763**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-17-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

KINGS BEACH SHELL (Continued) **U001614763**

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Steve Skanderson, Stantec
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kathy Kotulak
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	(925) 413-7422

Affiliation Type Desc:	Legal Owner
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000

Affiliation Type Desc:	Operator
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 417-1000

Affiliation Type Desc:	Property Owner
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	jeffrey sauer
Entity Title:	president
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

KINGS BEACH SHELL (Continued) **U001614763**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 386-2955

Affiliation Type Desc: UST Tank Operator
Entity Name: C&J Cox Corporation
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 417-1000

Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Identification Signer
Entity Name: Carl Jox
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: C & J Cox Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: C&J Cox Corporation
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 417-1000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

KINGS BEACH SHELL (Continued) **U001614763**

Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94588
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: C&J Cox Corporation
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 417-1000

HIST UST:
File Number: 0001F36D
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F36D.pdf
Region: STATE
Facility ID: 00000056439
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RON PRATT
Telephone: 9165463265
Owner Name: SHELL OIL CO.
Owner Address: 8369 N. LAKE BLVD.
Owner City,St,Zip: KINGS BEACH, CA 95719
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported

KINGS BEACH SHELL (Continued) **U001614763**

Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

CERS TANKS:
Site ID: 41778
CERS ID: 10204768
CERS Description: Underground Storage Tank

Violations:
Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 09-18-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 09/21/2018. The facility's inventory is missing 120 gallons of waste test water. Add 120 gallons of waste test water to to the hazardous materials inventory and resubmit to CERS as proof of correction by 10/18/2018.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 12/15/2015. Observed the following at the

KINGS BEACH SHELL (Continued) **U001614763**

start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Always keep sensors at the lowest points in the sumps. This is a Class 1 violation. Never more sensors. If sensor goes off due to water in the sump, water must be pumped out and disposed of properly, comments on the alarm log and alarm cleared. Note: Ron from LA Perks installed sensor holders at the end of the inspection.

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.
Violation Notes: Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 01/07/2016. Monitoring Plan was not available on site at the time of the inspection, but all other paperwork was observed. Correct by 1/14/2016.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description: Failure to use a registered hazardous waste hauler to transport hazardous waste.

KINGS BEACH SHELL (Continued) **U001614763**

Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 12/12/2014. Facility does not currently have an EPA ID number. Gave facility owner the paperwork/information on how to obtain an active EPA ID number. Correct within 30 days.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-21-2016
Citation:	23 CCR 16 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1)
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 12/21/2016. 1) Diesel fill sump sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site. 2) 87 annular sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Description:	Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.
Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices

KINGS BEACH SHELL (Continued) **U001614763**

immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.

Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 03/10/2015. Submit current Designated Operator form (left with Jeff at the time of the inspection) to this office within 30 days.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25187.6 - California Health and Safety Code, Chapter 6.5, Section(s) 25187.6
Violation Description: No person shall remove, transfer, or dispose of the hazardous waste until permission for removal, transfer, or disposal is given by an authorized agent.
Violation Notes: Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-17-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 12/10/2014. Business plan on site was dated 2003. Be sure to maintain the most current business plan on site. This is a repeat violation, plan was sent to operator electronically 12/3/2012. Be sure to print and maintain a hard copy.
Violation Division: Placer County Environmental Health

KINGS BEACH SHELL (Continued) **U001614763**

Violation Program: HMRRP
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/07/2016. Certificate Of Financial Responsibility must be completed annually. Correct by 1//14/2016.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-21-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 12/31/2016. Change tank annular sensor from 208 to 420 sensors on the monitoring plan for all tanks by 1/20/2017.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-21-2016
Citation: 23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description: Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes: Returned to compliance on 12/21/2016. 87 annular sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was

KINGS BEACH SHELL (Continued) **U001614763**

placed at the lowest point. Always keep sensors at the lowest points in the sumps. This is a Class 1 violation. Never more sensors. If sensor goes off due to water in the sump, water must be pumped out and disposed of properly, comments on the alarm log and alarm cleared. Note: Ron from LA Perks installed sensor holders at the end of the inspection.

Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/07/2016. Update facility site map to show the location of the hazardous waste storage, switch the premium and diesel tanks, location of the monitoring panel, spill kit locations, and any storm drains. Correct by 1/14/2016.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 12/15/2015. Observed all three spill buckets filled with liquid at the start of the inspection. Drain and properly dispose of any liquids in the spill buckets immediately.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 01-31-2018
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes: Returned to compliance on 03/14/2018. Since tanks were installed in June of 2004, all secondary containment is required to be tested every 36 months, including the fill sumps and vent piping. Secondary containment testing was conducted on 10/15/2017 but excluded the fill

KINGS BEACH SHELL (Continued) **U001614763**

	sumps and vent piping. Test and provide results to this office no later than 3/2/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-21-2016
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 12/21/2016. Facility's last monitoring certification was conducted on 12/15/16. Be sure annual testing is completed within 365 days from the year before. Testing is due no later than 12/15/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 12/10/2014. Sensor located in the diesel sump was observed in the middle of the sump floor at the start of the inspection. Be sure sensors are located at the lowest point of the sump, near the product piping. Corrected at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.

KINGS BEACH SHELL (Continued) **U001614763**

Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	09-18-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/21/2018. The facility's DO form submitted to CERS is expired. Submit an updated DO form to CERS as proof of correction by 10/18/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	01-31-2018
Citation:	23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	Returned to compliance on 02/02/2018. All sensors must be identified on plot plan. Provide SLS and PLD sensor locations for split tank on plot plan and submit to CERS by 3/2/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-15-2015
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Observed water in the spill buckets and fill sumps. Be sure any liquids are removed and properly disposed of immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	09-18-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)

KINGS BEACH SHELL (Continued) **U001614763**

Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Observed liquid in the 91 STP, the 87 STP, and fuel in UDC 3/4. The tester pumped all fluid out before closing up the site. It appeared that there were leaking meters and/or filters in UDC 3/4. The operator stated the facility is aware of the issue and already has a call in for service. Provide Placer County Environmental Health with a copy of the repair receipt as proof of correction by 10/18/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	01-31-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 01/31/2018. Observed diesel fuel on the bottom of UDC 1/2 and 3/4 due to failing O-rings. Diesel was removed from the dispensor pans at the time of the inspection and facility will have the O-rings replaced. There was not enough diesel in pans to trigger the sensors.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-15-2015
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 12/15/2015. Observed liquid in all fill sumps and spill buckets. Be sure to remove any liquid immediately and dispose of properly.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Kathy Hemmen. Facility changed ownership in August of 2017. No wastes have been removed from facility since the change in ownership. Observed a properly labeled 55 gallon drum with waste water on site, roughly half full. Observed a properly labeled 5 gallon drum with waste absorbents on site, roughly half full. Wastes must be properly disposed of by July 2018 and a copy of the waste manifest maintained on site for a minimum of 3 years. Observed empty drums properly labeled.
Eval Division:	Placer County Environmental Health

KINGS BEACH SHELL (Continued) **U001614763**

Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine Hazardous Material Business Plan inspection on site, consented by Kathy Hemmen. No violations observed at the time of the inspection. Business Plan is reflective of chemicals maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Rod Clohan of King's Beach Chevron for the facility's annual Hazardous Materials Business Plan (HMBP) inspection. Reviewed materials and quantities on-site. Reviewed annual employee training records. Employee training last conducted on: 7/6/2018 Records were present and complete at time of inspection. The facility last submitted their complete HMBP to the California Environmental Reporting System (CERS) on 9/17/2018. The facility's inventory is missing 120 gallons of waste test water. Add 120 gallons of waste test water to to the hazardous materials inventory and resubmit to CERS as proof of correction by 10/18/2018. The facility owner is the property owner. HMBP notification to the property owner is not required.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. Be sure to maintain most current HMBP on site. Chemical inventory sheets are reflective of the inventory on hand. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. Left a CERS Guidence Document with Jeff at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2016
Violations Found:	No
Eval Type:	Routine done by local agency

KINGS BEACH SHELL (Continued) **U001614763**

Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff Sauer. Observed a waste container for solids and one for liquids. Both containers were closed, secured, and labeled at the time of the inspection. Facility has well under 27 gallons of hazardous materials on site. No manifests observed due to small amount of wastes being generated. Facility has not removed wastes in a few years. No violations observed at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. No violations observed at the time of the inspection. CERS resubmittal due by 1/6/2017.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site with Rod Clohan of King's Beach Chevron and tank tester Tony Fontana of Bill McKarthy Testing for the facility's annual monitoring certification and underground storage tank inspection. Verified that the facility's BOE #44052490 is valid for the following entity: C & J COX CORPORATION Business Name: KINGS BEACH CHEVRON Verified the following certs for Tony Fontana: ICC testing cert expires: 05/01/2020 VMI testing cert expires: 06/07/2019 Veeder Root Lvl 4 cert expires: 07/29/2019 VMI LLD testing box was last certified on: 9/27/2016 Observed liquid in the 91 STP, the 87 STP, and fuel in UDC 3/4. It appeared that there were leaking meters and/or filters in UDC 3/4. The operator stated the facility is aware of the issue and already has a call in for service. The tester pumped all fluid out before closing up the site. Provide Placer County Environmental Health with a copy of the repair receipt as proof of correction by 10/18/2018. All [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff. No violations observed at the time of the inspection. Secondary containment testing due in 2014. Uunderground Storage Tank permit expires 4/6/2015. Observed spill bucket, sensor, electronic line leak detector, and emergency stop testing by LA Perks at the time of the inspection. Observed employee training records. Observed Designated Operator monthly inspection logs. Facility

KINGS BEACH SHELL (Continued) **U001614763**

maintains a copy of the UST permit and paperwork on site. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff Sauer. Chief Financial Letter and Certificate Of Financial Responsibility must be updated in CERS no later than 1/6/2017 for compliance. Update annular sensors on Monitoring Plans in CERS by 1/20/2017. SB989 secondary containment testing is due by 12/10/2017. Spill buckets, turbine sump sensors, and LLDs passed at the time of the inspection. 87 annular sensor and diesel fill sump sensor failed at the start of the inspection. Both sensors were replaced, retested, and passed at the time of the inspection. Observed all required paperwork maintained on site. Be sure monitoring certification is completed within 365 days from the last inspection. Since 2016 monitoring certification was due by 12/15/2016, 2017 must be completed by 12/15/2017.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site with Rod Clohan of King’s Beach Chevron for the facility’s annual Hazardous Waste Generator inspection. The facility has an active EPA ID# at this time: CAL000430276 Reviewed materials and quantities on-site Waste streams on-site include fuel filters, gas/diesel test water, used absorbent (kitty litter), and used fuel hoses/nozzles. One waste solid drum (10 gallons) and three waste liquid drums (2@55 gallons 1@10 gallons) were observed on-site. Drums were tightly secured at time of inspection. Drums were empty at time of inspection. Drums were properly labeled at time of inspection. Reviewed waste receipts for 2017/2018. Facility had a recent ownership change in August of 2017. The facility has only had one recent pick-up since change of ownership. Review of the hazardous waste tracking system indicated that the manifest has not yet been up loaded because the pick-up was so recent. Fuel filters, hoses, and nozzles are managed by a third [Truncated]

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

KINGS BEACH SHELL (Continued) **U001614763**

Eval Date:	12-10-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. Facility was submitted into the California Environmental Reporting System (CERS) on 10/23/2014. No Hazardous Material Business Plan violations observed at the time of the inspection. Next CERS resubmittal is due on 10/23/2015.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeffrey Sauer. Last CERS submittal was 1/6/2015. Be sure to resubmit the Business Plan by 1/6/2016 for compliance. Update site map to show the location of all required information. Observed annual employee training documents. Observed a paper copy of the Business Plan maintained on site.
Eval Division:	Placer County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank Inspection on site, consented by Kathy Hemmen. Annual monitoring certification and SB989 testing were moved up from December to October. Next monitoring certification is due by 10/18/2018. Facility replaced the circuit board on the TLS-350 monitoring panel on 9/15/2017 due to failure. Site was cold started and all sensors tested after. Per monitoring certification submitted to this office for the cold start, the 208 sensor for UDC 1/2 failed and was replaced/tested/passed at the time of the certification. SB989 testing was conducted on 10/18/2017. Due to the year the tanks were installed, all secondary containment components must be tested. Correct by 3/2/2018. Note: notify this office at least 48 hours prior to testing. Inspection was conducted independently from annual monitoring certification. UDCs were opened at the time of the inspection. Observed all UDC sensors in proper location with tags dated [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff Sauer. Facility was not properly maintaining or disposing of hazardous waste at the time of the inspection. Went over hazardous waste regulations and requirements with Jeff at the

KINGS BEACH SHELL (Continued) **U001614763**

time of the inspection. Facility must obtain an EPA ID number. Gave proper paperwork to Jeff to get an ID number at the time of the inspection. Note: No hazardous wastes were observed at the time of the inspection. Per Jeff, very little waste is generated, just some occasional water in the sumps and some used absorbent from small spills from customers fueling their vehicles.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff Sauer. On site with Ron Wood from LA Perks to witness annual monitoring ceritification and SB 989 testing. All equipment passed at the time of the inspection. Observed the following tests: ELLD, annular sensors, sump and UDC sensors, annular and secondary line testing, fail safe, spill Bucket testing, fill/turbine/UDC sumps. UST permit expires on 4/6/15. Observed proper paperwork, including DO records and alarm logs maintained on site. Received Monitoring and SB 989 test results via e-mail at the time of the inspection.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Waste Generation on site, consented by Jeffrey Sauer. Observed small waste can for solid absorbent materials. Only a handful of product was in container at the time of the inspection. Container was closed, secured, and labeled at the time of the inspection. Provide a waste drum for gas/water mixture. Note: Ron from LA Perks will be removing the water that was observed in the underground storage tank sumps at the time of the inspection. No manifests available. Per Jeff, wastes have not been removed since last year.

Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeffrey Sauer. Observed raised sensors at the start of the inspection. Refrain from doing this. Observed standing water in all spill buckets and fill sumps. Always remove water immediately and dispose of properly. Observed employee training and Designated Operator records. Observed UST Standard Operating Permit maintained on site. Observed daily alarm logs maintained on site. Provide a copy of the monitoring plan on site. Note: Designated Operator ICC

KINGS BEACH SHELL (Continued) **U001614763**

certification expires January 2016. Be sure to provide a current DO form in CERS once he gets re-certified.
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff. No violations observed at the time of inspection. No waste generation at the time of the inspection. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. Left a CERS Guidence Document with Jeff at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-10-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-10-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143

KINGS BEACH SHELL (Continued) **U001614763**

Enf Action Date: 12-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
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Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Steve Skanderson, Stantec
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

KINGS BEACH SHELL (Continued) **U001614763**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kathy Kotulak
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	(925) 413-7422

Affiliation Type Desc:	Legal Owner
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000

Affiliation Type Desc:	Operator
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 417-1000

Affiliation Type Desc:	Property Owner
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	jeffrey sauer
Entity Title:	president
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 386-2955

Affiliation Type Desc:	UST Tank Operator
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States

KINGS BEACH SHELL (Continued) **U001614763**

Affiliation Zip: 94588
Affiliation Phone: (925) 417-1000

Affiliation Type Desc: CUPA District
Entity Name: Placer County Env Health
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95603
Affiliation Phone: (530) 745-2300

Affiliation Type Desc: Identification Signer
Entity Name: Carl Jox
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: C & J Cox Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: C&J Cox Corporation
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 417-1000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94588
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: C&J Cox Corporation
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr

KINGS BEACH SHELL (Continued) **U001614763**

Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000

PLACER CO. MS:

Facility ID:	FA0000810
Facility Status:	Closed
Program Element Code:	2303
Program:	UNDERGROUND STORAGE TANKS - 3 TANKS
Record Num:	PR0001294
District Code:	61
Decode for Fstatus:	Closed

Facility ID:	FA0000810
Facility Status:	Active
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0002914
District Code:	Not reported
Decode for Fstatus:	Active

Facility ID:	FA0000810
Facility Status:	Active
Program Element Code:	2268
Program:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num:	PR0009655
District Code:	Not reported
Decode for Fstatus:	Active

Facility ID:	FA0000810
Facility Status:	Active
Program Element Code:	2303
Program:	UNDERGROUND STORAGE TANKS - 3 TANKS
Record Num:	PR0010374
District Code:	Not reported
Decode for Fstatus:	Active

Facility ID:	FA0002054
Facility Status:	Closed
Program Element Code:	2303
Program:	UNDERGROUND STORAGE TANKS - 3 TANKS
Record Num:	PR0002865
District Code:	6
Decode for Fstatus:	Closed

Facility ID:	FA0002054
Facility Status:	Closed
Program Element Code:	2107
Program:	US HAZMAT ONLY-NO WASTE <20,000/month
Record Num:	PR0002866
District Code:	Not reported
Decode for Fstatus:	Closed

KINGS BEACH SHELL (Continued) **U001614763**

CERS TANKS:
Site ID: 41778
CERS ID: 10204768
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 09-18-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 09/21/2018. The facility's inventory is missing 120 gallons of waste test water. Add 120 gallons of waste test water to to the hazardous materials inventory and resubmit to CERS as proof of correction by 10/18/2018.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Always keep sensors at the lowest points in the sumps. This is a Class 1 violation. Never more sensors. If sensor goes off due to water in the sump, water must be pumped out and disposed of properly, comments on the alarm log and alarm cleared. Note: Ron from LA Perks installed sensor holders at the end of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized

KINGS BEACH SHELL (Continued) **U001614763**

location.

Violation Notes: Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 01/07/2016. Monitoring Plan was not available on site at the time of the inspection, but all other paperwork was observed. Correct by 1/14/2016.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description: Failure to use a registered hazardous waste hauler to transport hazardous waste.
Violation Notes: Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 12/12/2014. Facility does not currently have an EPA ID number. Gave facility owner the paperwork/information on how

KINGS BEACH SHELL (Continued) **U001614763**

to obtain an active EPA ID number. Correct within 30 days.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-21-2016
Citation: 23 CCR 16 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 12/21/2016. 1) Diesel fill sump sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site. 2) 87 annular sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Description: Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.
Violation Notes: Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 03/10/2015. Submit current Designated Operator form (left with Jeff at the time of the inspection) to this office within 30 days.
Violation Division: Placer County Environmental Health
Violation Program: UST

KINGS BEACH SHELL (Continued) **U001614763**

Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-10-2014
Citation: HSC 6.5 25187.6 - California Health and Safety Code, Chapter 6.5, Section(s) 25187.6
Violation Description: No person shall remove, transfer, or dispose of the hazardous waste until permission for removal, transfer, or disposal is given by an authorized agent.
Violation Notes: Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division: Placer County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-17-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 12/10/2014. Business plan on site was dated 2003. Be sure to maintain the most current business plan on site. This is a repeat violation, plan was sent to operator electronically 12/3/2012. Be sure to print and maintain a hard copy.
Violation Division: Placer County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/07/2016. Certificate Of Financial Responsibility must be completed annually. Correct by 1//14/2016.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-21-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to

KINGS BEACH SHELL (Continued) **U001614763**

operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 12/31/2016. Change tank annular sensor from 208 to 420 sensors on the monitoring plan for all tanks by 1/20/2017.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-21-2016
Citation: 23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description: Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes: Returned to compliance on 12/21/2016. 87 annular sensor was not operating correctly at the start of the inspection. Sensor was replaced with the same model, retested, and passed. Complied on site.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Always keep sensors at the lowest points in the sumps. This is a Class 1 violation. Never more sensors. If sensor goes off due to water in the sump, water must be pumped out and disposed of properly, comments on the alarm log and alarm cleared. Note: Ron from LA Perks installed sensor holders at the end of the inspection.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/07/2016. Update facility site map to show the location of the hazardous waste storage, switch the premium and diesel tanks, location of the monitoring panel, spill kit locations, and any storm drains. Correct by 1/14/2016.
Violation Division: Placer County Environmental Health

KINGS BEACH SHELL (Continued) **U001614763**

Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-15-2015
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 12/15/2015. Observed all three spill buckets filled with liquid at the start of the inspection. Drain and properly dispose of any liquids in the spill buckets immediately.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	01-31-2018
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes:	Returned to compliance on 03/14/2018. Since tanks were installed in June of 2004, all secondary containment is required to be tested every 36 months, including the fill sumps and vent piping. Secondary containment testing was conducted on 10/15/2017 but excluded the fill sumps and vent piping. Test and provide results to this office no later than 3/2/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-21-2016
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 12/21/2016. Facility's last monitoring certification was conducted on 12/15/16. Be sure annual testing is completed within 365 days from the year before. Testing is due no later than 12/15/2017.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

KINGS BEACH SHELL (Continued) **U001614763**

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 12/10/2014. Sensor located in the diesel sump was observed in the middle of the sump floor at the start of the inspection. Be sure sensors are located at the lowest point of the sump, near the product piping. Corrected at the time of the inspection.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	12-10-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/19/2014. Facility has not been properly treating hazardous wastes. Currently, used absorbent has been discarded in the garbage and waste water has been removed annually after the monitoring certification. Refrain from these practices immediately. Went over the requirements of hazardous waste generation, storing, and transporting. Gave Jeff hazardous waste storage container labels, an EPA ID form, discussed waste accumulation times and proper storage at the time of the inspection. Correct immediately. Be sure to train all facility employees on the proper cleanup and disposal of hazardous wastes.
Violation Division:	Placer County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	09-18-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/21/2018. The facility's DO form submitted to CERS is expired. Submit an updated DO form to CERS as proof of correction by 10/18/2018.
Violation Division:	Placer County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	41778
Site Name:	KINGS BEACH CHEVRON
Violation Date:	01-31-2018
Citation:	23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s)

KINGS BEACH SHELL (Continued) **U001614763**

2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 02/02/2018. All sensors must be identified on plot plan. Provide SLS and PLD sensor locations for split tank on plot plan and submit to CERS by 3/2/2018.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Returned to compliance on 12/15/2015. Observed the following at the start of the inspection: 1) Sensor observed raised out of the standing water on the bottom of the premium fill sump. Sump had a couple of inches of water on the bottom. 2) Sensor located in the middle of the diesel fill sump. Some water observed on the bottom of the sump. 3) Sensor located in the middle of the regular fill sump. Water observed on the bottom of the sump. Sensor alarm was triggered when sensor was placed at the lowest point. Observed water in the spill buckets and fill sumps. Be sure any liquids are removed and properly disposed of immediately.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 09-18-2018
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Observed liquid in the 91 STP, the 87 STP, and fuel in UDC 3/4. The tester pumped all fluid out before closing up the site. It appeared that there were leaking meters and/or filters in UDC 3/4. The operator stated the facility is aware of the issue and already has a call in for service. Provide Placer County Environmental Health with a copy of the repair receipt as proof of correction by 10/18/2018.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 01-31-2018
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 01/31/2018. Observed diesel fuel on the bottom of UDC 1/2 and 3/4 due to failing O-rings. Diesel was removed from the dispensor pans at the time of the inspection and facility will have the O-rings replaced. There was not enough diesel in pans to

KINGS BEACH SHELL (Continued) **U001614763**

trigger the sensors.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Violation Date: 12-15-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 12/15/2015. Observed liquid in all fill sumps and spill buckets. Be sure to remove any liquid immediately and dispose of properly.
Violation Division: Placer County Environmental Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Conditionally Exempt Small Quantity Waste Generator inspection on site, consented by Kathy Hemmen. Facility changed ownership in August of 2017. No wastes have been removed from facility since the change in ownership. Observed a properly labeled 55 gallon drum with waste water on site, roughly half full. Observed a properly labeled 5 gallon drum with waste absorbents on site, roughly half full. Wastes must be properly disposed of by July 2018 and a copy of the waste manifest maintained on site for a minimum of 3 years. Observed empty drums properly labeled.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine Hazardous Material Business Plan inspection on site, consented by Kathy Hemmen. No violations observed at the time of the inspection. Business Plan is reflective of chemicals maintained on site.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site with Rod Clohan of King's Beach Chevron for the facility's annual Hazardous Materials Business Plan (HMBP) inspection. Reviewed materials and quantities on-site. Reviewed annual employee training records. Employee training last conducted on: 7/6/2018 Records were

KINGS BEACH SHELL (Continued) **U001614763**

present and complete at time of inspection. The facility last submitted their complete HMBP to the California Environmental Reporting System (CERS) on 9/17/2018. The facility's inventory is missing 120 gallons of waste test water. Add 120 gallons of waste test water to to the hazardous materials inventory and resubmit to CERS as proof of correction by 10/18/2018. The facility owner is the property owner. HMBP notification to the property owner is not required.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. Be sure to maintain most current HMBP on site. Chemical inventory sheets are reflective of the inventory on hand. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. Left a CERS Guidence Document with Jeff at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff Sauer. Observed a waste container for solids and one for liquids. Both containers were closed, secured, and labeled at the time of the inspection. Facility has well under 27 gallons of hazardous materials on site. No manifests observed due to small amount of wastes being generated. Facility has not removed wastes in a few years. No violations observed at the time of the inspection.
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. No violations observed at the time of the inspection. CERS resubmittal due by 1/6/2017.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

KINGS BEACH SHELL (Continued) **U001614763**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site with Rod Clohan of King's Beach Chevron and tank tester Tony Fontana of Bill McKarthy Testing for the facility's annual monitoring certification and underground storage tank inspection. Verified that the facility's BOE #44052490 is valid for the following entity: C & J COX CORPORATION Business Name: KINGS BEACH CHEVRON Verified the following certs for Tony Fontana: ICC testing cert expires: 05/01/2020 VMI testing cert expires: 06/07/2019 Veeder Root Lvl 4 cert expires: 07/29/2019 VMI LLD testing box was last certified on: 9/27/2016 Observed liquid in the 91 STP, the 87 STP, and fuel in UDC 3/4. It appeared that there were leaking meters and/or filters in UDC 3/4. The operator stated the facility is aware of the issue and already has a call in for service. The tester pumped all fluid out before closing up the site. Provide Placer County Environmental Health with a copy of the repair receipt as proof of correction by 10/18/2018. All [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff. No violations observed at the time of the inspection. Secondary containment testing due in 2014. Uunderground Storage Tank permit expires 4/6/2015. Observed spill bucket, sensor, electronic line leak detector, and emergency stop testing by LA Perks at the time of the inspection. Observed employee training records. Observed Designated Operator monthly inspection logs. Facility maintains a copy of the UST permit and paperwork on site. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff Sauer. Chief Financial Letter and Certificate Of Financial Responsibility must be updated in CERS no later than 1/6/2017 for compliance. Update annular sensors on Monitoring Plans in CERS by 1/20/2017. SB989 secondary containment testing is due by 12/10/2017. Spill buckets, turbine sump sensors, and LLDs passed at the time of the inspection. 87 annular sensor and diesel fill sump

KINGS BEACH SHELL (Continued) **U001614763**

sensor failed at the start of the inspection. Both sensors were replaced, retested, and passed at the time of the inspection. Observed all required paperwork maintained on site. Be sure monitoring certification is completed within 365 days from the last inspection. Since 2016 monitoring certification was due by 12/15/2016, 2017 must be completed by 12/15/2017.

Eval Division: Placer County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site with Rod Clohan of King's Beach Chevron for the facility's annual Hazardous Waste Generator inspection. The facility has an active EPA ID# at this time: CAL000430276 Reviewed materials and quantities on-site Waste streams on-site include fuel filters, gas/diesel test water, used absorbent (kitty litter), and used fuel hoses/nozzles. One waste solid drum (10 gallons) and three waste liquid drums (2@55 gallons 1@10 gallons) were observed on-site. Drums were tightly secured at time of inspection. Drums were empty at time of inspection. Drums were properly labeled at time of inspection. Reviewed waste receipts for 2017/2018. Facility had a recent ownership change in August of 2017. The facility has only had one recent pick-up since change of ownership. Review of the hazardous waste tracking system indicated that the manifest has not yet been up loaded because the pick-up was so recent. Fuel filters, hoses, and nozzles are managed by a third [Truncated]
Eval Division: Placer County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeff Sauer. Facility was submitted into the California Environmental Reporting System (CERS) on 10/23/2014. No Hazardous Material Business Plan violations observed at the time of the inspection. Next CERS resubmittal is due on 10/23/2015.
Eval Division: Placer County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Conducted routine annual Hazardous Material Business Plan inspection on site, consented by Jeffrey Sauer. Last CERS submittal was 1/6/2015. Be sure to resubmit the Business Plan by 1/6/2016 for compliance. Update site map to show the location of all required information. Observed annual employee training documents. Observed a paper copy of the Business Plan maintained on site.
Eval Division: Placer County Environmental Health

KINGS BEACH SHELL (Continued) **U001614763**

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank Inspection on site, consented by Kathy Hemmen. Annual monitoring certification and SB989 testing were moved up from December to October. Next monitoring certification is due by 10/18/2018. Facility replaced the circuit board on the TLS-350 monitoring panel on 9/15/2017 due to failure. Site was cold started and all sensors tested after. Per monitoring certification submitted to this office for the cold start, the 208 sensor for UDC 1/2 failed and was replaced/tested/passed at the time of the certification. SB989 testing was conducted on 10/18/2017. Due to the year the tanks were installed, all secondary containment components must be tested. Correct by 3/2/2018. Note: notify this office at least 48 hours prior to testing. Inspection was conducted independently from annual monitoring certification. UDCs were opened at the time of the inspection. Observed all UDC sensors in proper location with tags dated [Truncated]
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff Sauer. Facility was not properly maintaining or disposing of hazardous waste at the time of the inspection. Went over hazardous waste regulations and requirements with Jeff at the time of the inspection. Facility must obtain an EPA ID number. Gave proper paperwork to Jeff to get an ID number at the time of the inspection. Note: No hazardous wastes were observed at the time of the inspection. Per Jeff, very little waste is generated, just some occasional water in the sumps and some used absorbent from small spills from customers fueling their vehicles.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Jeff Sauer. On site with Ron Wood from LA Perks to witness annual monitoring ceritification and SB 989 testing. All equipment passed at the time of the inspection. Observed the following tests: ELLD, annular sensors, sump and UDC sensors, annular and secondary line testing, fail safe, spill Bucket testing, fill/turbine/UDC sumps. UST permit expires on 4/6/15. Observed proper paperwork, including DO records and alarm logs maintained on site. Received Monitoring and SB 989 test results via e-mail at the time of

KINGS BEACH SHELL (Continued) **U001614763**

	the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-15-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Waste Generation on site, consented by Jeffrey Sauer. Observed small waste can for solid absorbent materials. Only a handful of product was in container at the time of the inspection. Container was closed, secured, and labeled at the time of the inspection. Provide a waste drum for gas/water mixture. Note: Ron from LA Perks will be removing the water that was observed in the underground storage tank sumps at the time of the inspection. No manifests available. Per Jeff, wastes have not been removed since last year.
Eval Division:	Placer County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Underground Storage Tank inspection on site, consented by Jeffrey Sauer. Observed raised sensors at the start of the inspection. Refrain from doing this. Observed standing water in all spill buckets and fill sumps. Always remove water immediately and dispose of properly. Observed employee training and Designated Operator records. Observed UST Standard Operating Permit maintained on site. Observed daily alarm logs maintained on site. Provide a copy of the monitoring plan on site. Note: Designated Operator ICC certification expires January 2016. Be sure to provide a current DO form in CERS once he gets re-certified.
Eval Division:	Placer County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-17-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted routine annual Conditionally Exempt Small Quantity Generator inspection on site, consented by Jeff. No violations observed at the time of inspection. No waste generation at the time of the inspection. Effective January 1, 2013, all businesses must submit hazardous materials-related data (e.g. hazardous materials business plans, chemical inventories, site maps, underground/ aboveground tank data, and hazardous waste generator data) electronically on CERS (California Environmental Reporting System). Go to the CERS website for more information and to set up an account. www.cers.calepa.ca.gov Kings Beach Chevron CERS ID# 10204768. Left a CERS Guidence Document with Jeff at the time of the inspection.
Eval Division:	Placer County Environmental Health
Eval Program:	HW

KINGS BEACH SHELL (Continued) **U001614763**

Eval Source: CERS

Enforcement Action:
Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-10-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-10-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON

KINGS BEACH SHELL (Continued) **U001614763**

Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-17-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41778
Site Name: KINGS BEACH CHEVRON
Site Address: 8369 N LAKE BLVD
Site City: KINGS BEACH
Site Zip: 96143
Enf Action Date: 12-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Placer County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Steve Skanderson, Stantec
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Kathy Kotulak
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94588
Affiliation Phone: (925) 413-7422

Affiliation Type Desc: Legal Owner
Entity Name: C&J Cox Corporation
Entity Title: Not reported
Affiliation Address: 4431 Stoneridge Dr
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 417-1000

Affiliation Type Desc: Operator
Entity Name: C&J Cox Corporation

KINGS BEACH SHELL (Continued) **U001614763**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 417-1000
Affiliation Type Desc:	Property Owner
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	jeffrey sauer
Entity Title:	president
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(530) 386-2955
Affiliation Type Desc:	UST Tank Operator
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000
Affiliation Type Desc:	CUPA District
Entity Name:	Placer County Env Health
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95603
Affiliation Phone:	(530) 745-2300
Affiliation Type Desc:	Identification Signer
Entity Name:	Carl Jox
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

KINGS BEACH SHELL (Continued) **U001614763**

Affiliation Type Desc:	Parent Corporation
Entity Name:	C & J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Owner
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	C&J Cox Corporation
Entity Title:	Not reported
Affiliation Address:	4431 Stoneridge Dr
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 417-1000

L75 **SIERRA PACIFIC POWER, REMOTE FUELING, KINGS BEACH** **CPS-SLIC** **S105754306**
NNE **DEER STREET** **CERS** **N/A**
1/4-1/2 **KINGS BEACH, CA 96143**
0.320 mi.
1691 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
6357 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/19/2003
Global Id:	SL0606196567
Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Lead Agency Case Number:	Not reported
Latitude:	39.2454888841474
Longitude:	-120.026989239426
Case Type:	Cleanup Program Site
Case Worker:	RWB

SIERRA PACIFIC POWER, REMOTE FUELING, KINGS BEACH (Continued) **S105754306**

Local Agency: Not reported
RB Case Number: T6S015
File Location: Not reported
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 6L:
Region: 6L
Case Number: T6S015 "B"
Active or Closed: Active
Date Open or Closed: Not reported

Region: 6L
Case Number: T6S015
Active or Closed: Closed
Date Open or Closed: 11/19/03

CERS TANKS:
Site ID: 232862
CERS ID: SL0606196567
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: RICHARD BOOTH - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BOULEVARD
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

76
West
1/4-1/2
0.323 mi.
1705 ft.

Relative:
Higher

Actual:
6248 ft.

TAHOE VISTA MARINA **LUST** **S102438384**
7220 LAKE **HIST CORTESE** **N/A**
TAHOE VISTA, CA 95730 **CERS**

LUST:
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100323
Global Id: T0606100323
Latitude: 39.238274
Longitude: -120.045148
Status: Completed - Case Closed
Status Date: 06/21/2001
Case Worker: Not reported
RB Case Number: 6T0055A
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported

TAHOE VISTA MARINA (Continued) **S102438384**

Potential Media Affect: Surface water
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606100323
Action Type: ENFORCEMENT
Date: 07/31/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0606100323
Action Type: Other
Date: 09/21/1988
Action: Leak Reported

Global Id: T0606100323
Action Type: ENFORCEMENT
Date: 06/21/2001
Action: Closure/No Further Action Letter

Global Id: T0606100323
Action Type: ENFORCEMENT
Date: 12/13/2000
Action: * Verbal Communication

Global Id: T0606100323
Action Type: Other
Date: 09/21/1988
Action: Leak Discovery

Global Id: T0606100323
Action Type: Other
Date: 09/21/1988
Action: Leak Stopped

LUST:
Global Id: T0606100323
Status: Completed - Case Closed
Status Date: 06/21/2001

Global Id: T0606100323
Status: Open - Case Begin Date
Status Date: 09/21/1988

Global Id: T0606100323
Status: Open - Remediation
Status Date: 11/25/1997

Global Id: T0606100323
Status: Open - Site Assessment
Status Date: 01/06/1989

Global Id: T0606100323
Status: Open - Site Assessment
Status Date: 12/03/1995

Global Id: T0606100323

TAHOE VISTA MARINA (Continued) **S102438384**

Status: Open - Verification Monitoring
Status Date: 07/10/2000

Global Id: T0606100323
Status: Open - Verification Monitoring
Status Date: 09/11/2000

Global Id: T0606100323
Status: Open - Verification Monitoring
Status Date: 01/15/2001

LUST REG 6L:
Region: 6L
Case Number: 6T0 055 A
Active OR Closed Site: Closed
Date Closed: 6/21/01
Type Of Site: UST

HIST CORTESE:
Region: CORTESE
Facility County Code: 31
Reg By: LTNKA
Reg Id: 6T0055A

CERS TANKS:
Site ID: 245987
CERS ID: T0606100323
CERS Description: Leaking Underground Storage Tank Cleanup Site

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L77 **SIERRA PACIFIC POWER COMPANY GENERATOR SPILL** **CPS-SLIC S119007850**
NNE **END OF DEER STREET (NORTH) (APN 090-030-029)** **CERS N/A**
1/4-1/2 **KINGS BEACH, CA 96143**
0.349 mi.
1843 ft. **Site 2 of 2 in cluster L**

Relative: Higher

Actual: 6355 ft.

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/09/2009
Global Id: T10000000017
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Lead Agency Case Number: Not reported
Latitude: 39.2460578785053
Longitude: -120.027116241803
Case Type: Cleanup Program Site
Case Worker: RWB
Local Agency: PLACER COUNTY
RB Case Number: T6S015C
File Location: Not reported
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SIERRA PACIFIC POWER COMPANY GENERATOR SPILL (Continued) **S119007850**

CERS TANKS:
Site ID: 249753
CERS ID: T10000000017
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: RICHARD BOOTH - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BOULEVARD
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

M78 **TOM TUHEY'S AUTO AND TRUCK REPAIR** **LUST** **S104655318**
NE **712 BEAR ST** **CA PLACER CO. MS** **N/A**
1/4-1/2 **KINGS BEACH, CA 96143** **CERS**
0.354 mi.
1867 ft. **Site 1 of 3 in cluster M**

Relative: Higher
Actual: 6357 ft.

LUST:
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100393
Global Id: T0606100393
Latitude: 39.2434182852486
Longitude: -120.024384449074
Status: Completed - Case Closed
Status Date: 06/15/2018
Case Worker: EMC
RB Case Number: 6T0333A
Local Agency: PLACER COUNTY
File Location: All Files are on GeoTracker or in the Local Agency Database
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as overseen by the Lahontan Regional Water Quality Control Board. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. All Regional Board Files have been uploaded to GeoTracker, see the "Site Maps/Documents" tab.

LUST:
Global Id: T0606100393
Contact Type: Regional Board Caseworker
Contact Name: EMILY CUSHMAN
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BVLD.
City: SOUTH LAKE TAHOE
Email: emily.cushman@waterboards.ca.gov

TOM TUHEY'S AUTO AND TRUCK REPAIR (Continued) **S104655318**

Phone Number: Not reported

Global Id: T0606100393
Contact Type: Local Agency Caseworker
Contact Name: West Bourgault
Organization Name: PLACER COUNTY
Address: 3091 County Center Drive, Suite 180
City: Auburn
Email: wbourgau@placer.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 11/12/1999
Action: Unauthorized Release Form

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 12/26/2001
Action: Staff Letter

Global Id: T0606100393
Action Type: RESPONSE
Date: 04/04/2007
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 06/08/1999
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 06/08/1999
Action: Other Workplan

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 05/09/2017
Action: Meeting

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 02/01/2017
Action: Notification - Preclosure

Global Id: T0606100393
Action Type: Other
Date: 11/12/1999
Action: Leak Reported

Global Id: T0606100393
Action Type: RESPONSE
Date: 09/20/2000
Action: Other Workplan

TOM TUHEY'S AUTO AND TRUCK REPAIR (Continued) **S104655318**

Global Id: T0606100393
Action Type: RESPONSE
Date: 09/07/2001
Action: Other Report / Document

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 04/12/2017
Action: Staff Letter

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 05/08/2000
Action: Staff Letter

Global Id: T0606100393
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0606100393
Action Type: RESPONSE
Date: 12/01/1998
Action: Other Report / Document

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 12/26/2001
Action: Staff Letter

Global Id: T0606100393
Action Type: RESPONSE
Date: 09/07/2001
Action: Other Workplan

Global Id: T0606100393
Action Type: RESPONSE
Date: 04/24/2017
Action: Email Correspondence

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 06/15/2018
Action: Closure/No Further Action Letter

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0606100393
Action Type: RESPONSE

TOM TUHEY'S AUTO AND TRUCK REPAIR (Continued) **S104655318**

Date: 04/07/2000
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 09/13/1999
Action: Preliminary Site Assessment Workplan

Global Id: T0606100393
Action Type: RESPONSE
Date: 07/21/1999
Action: Other Report / Document

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 11/16/1997
Action: Site Visit / Inspection / Sampling

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 09/22/2000
Action: Staff Letter

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 08/24/1999
Action: Staff Letter

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 10/26/1999
Action: Staff Letter

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 05/08/2000
Action: Staff Letter

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 02/21/2007
Action: Staff Letter

Global Id: T0606100393
Action Type: RESPONSE
Date: 09/13/1999
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 04/07/2000
Action: Other Report / Document

TOM TUHEY'S AUTO AND TRUCK REPAIR (Continued) **S104655318**

Global Id: T0606100393
Action Type: RESPONSE
Date: 12/01/1998
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0606100393
Action Type: RESPONSE
Date: 05/26/2000
Action: Other Report / Document

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 04/27/2018
Action: Email Correspondence

Global Id: T0606100393
Action Type: RESPONSE
Date: 05/26/2000
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 04/04/2007
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 08/30/1999
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 09/20/2000
Action: Other Report / Document

Global Id: T0606100393
Action Type: RESPONSE
Date: 07/21/1999
Action: Soil and Water Investigation Report

Global Id: T0606100393
Action Type: RESPONSE
Date: 05/15/2018
Action: Well Destruction Report

Global Id: T0606100393
Action Type: ENFORCEMENT
Date: 02/21/2007
Action: Staff Letter

Global Id: T0606100393
Action Type: Other
Date: 07/21/1999
Action: Leak Discovery

LUST:
Global Id: T0606100393

TOM TUHEY'S AUTO AND TRUCK REPAIR (Continued) **S104655318**

Status: Completed - Case Closed
Status Date: 06/15/2018

Global Id: T0606100393
Status: Open - Case Begin Date
Status Date: 07/21/1999

Global Id: T0606100393
Status: Open - Eligible for Closure
Status Date: 04/12/2017

Global Id: T0606100393
Status: Open - Inactive
Status Date: 08/15/2000

Global Id: T0606100393
Status: Open - Inactive
Status Date: 01/01/2011

Global Id: T0606100393
Status: Open - Site Assessment
Status Date: 07/01/2000

LUST REG 6L:
Region: 6L
Case Number: 6T0 333 A
Active OR Closed Site: Active
Date Closed: Not reported
Type Of Site: UST

PLACER CO. MS:
Facility ID: FA0015663
Facility Status: Closed
Program Element Code: 2106
Program: **DO NOT USE**HAZMAT- ABOVE GROUND WITH WASTE
Record Num: PR0011561
District Code: 60
Decode for Fstatus: Closed

Facility ID: FA0015663
Facility Status: Closed
Program Element Code: 2268
Program: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Record Num: PR0011563
District Code: Not reported
Decode for Fstatus: Closed

CERS TANKS:
Site ID: 219769
CERS ID: T0606100393
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: EMILY CUSHMAN - LAHONTAN RWQCB (REGION 6T)

TOM TUHEY'S AUTO AND TRUCK REPAIR (Continued) **S104655318**

Entity Title:	Not reported
Affiliation Address:	2501 LAKE TAHOE BVLD.
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	West Bourgault - PLACER COUNTY
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive, Suite 180
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

79
East
1/4-1/2
0.380 mi.
2006 ft.

PRIVATE RESIDENCE **LUST** **S104181044**
PRIVATE RESIDENCE **HIST CORTESE** **N/A**
KINGS BEACH, CA 96142 **CA PLACER CO. MS**
CERS

Relative:
Higher

Actual:
6249 ft.

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100381
Global Id:	T0606100381
Latitude:	39.237125
Longitude:	-120.022664
Status:	Completed - Case Closed
Status Date:	05/04/2009
Case Worker:	TML
RB Case Number:	6T0310A
Local Agency:	PLACER COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Petroleum
Site History:	Not reported

LUST:

Global Id:	T0606100381
Contact Type:	Regional Board Caseworker
Contact Name:	TAMMY LUNDQUIST
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 LAKE TAHOE BLVD.
City:	SOUTH LAKE TAHOE
Email:	tammy.lundquist@waterboards.ca.gov
Phone Number:	5305425400
Global Id:	T0606100381
Contact Type:	Local Agency Caseworker
Contact Name:	West Bourgault
Organization Name:	PLACER COUNTY
Address:	3091 County Center Drive, Suite 180

PRIVATE RESIDENCE (Continued) **S104181044**

City: Auburn
Email: wbourgau@placer.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0606100381
Action Type: RESPONSE
Date: 04/15/2006
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 11/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 11/15/2005
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 05/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 05/15/2006
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 03/14/2007
Action: Verbal Communication

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 08/04/2004
Action: * Verbal Communication

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 11/05/2008
Action: Verbal Enforcement

Global Id: T0606100381
Action Type: Other
Date: 07/20/1999
Action: Leak Reported

Global Id: T0606100381
Action Type: RESPONSE

PRIVATE RESIDENCE (Continued) **S104181044**

Date: 11/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 11/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 08/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 08/15/2006
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 11/15/2006
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 05/04/2009
Action: Closure/No Further Action Letter

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 01/15/2009
Action: Staff Letter

Global Id: T0606100381
Action Type: RESPONSE
Date: 09/10/2008
Action: Verbal Communication

Global Id: T0606100381
Action Type: RESPONSE
Date: 07/07/2008
Action: Verbal Communication

Global Id: T0606100381
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 04/15/2007
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 11/08/2002
Action: Staff Letter

PRIVATE RESIDENCE (Continued) **S104181044**

Global Id: T0606100381
Action Type: RESPONSE
Date: 11/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 06/26/2008
Action: Other Report / Document

Global Id: T0606100381
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 07/17/2008
Action: Other Report / Document

Global Id: T0606100381
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 02/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 07/09/2001
Action: Staff Letter

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 09/18/2002
Action: Staff Letter

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 05/07/2002
Action: Staff Letter

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 07/31/2008
Action: Staff Letter

Global Id: T0606100381
Action Type: RESPONSE

PRIVATE RESIDENCE (Continued) **S104181044**

Date: 11/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 08/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 04/29/2002
Action: Staff Letter

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 06/16/2005
Action: Staff Letter

Global Id: T0606100381
Action Type: RESPONSE
Date: 06/28/2002
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 03/13/2002
Action: Site Visit / Inspection / Sampling

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 08/19/2002
Action: Staff Letter

Global Id: T0606100381
Action Type: REMEDIATION
Date: 10/14/2003
Action: Not reported

Global Id: T0606100381
Action Type: RESPONSE
Date: 09/15/2002
Action: Other Workplan

Global Id: T0606100381
Action Type: RESPONSE
Date: 10/01/2002
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 08/01/2003
Action: CAP/RAP - Other Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 09/15/2004
Action: Monitoring Report - Quarterly

PRIVATE RESIDENCE (Continued) **S104181044**

Global Id: T0606100381
Action Type: RESPONSE
Date: 09/15/2004
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 01/05/2004
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 01/15/2003
Action: Other Report / Document

Global Id: T0606100381
Action Type: RESPONSE
Date: 09/21/2002
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 12/21/2002
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 04/05/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 07/01/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 06/01/2004
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 01/05/2004
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 10/13/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 07/11/2007
Action: Verbal Enforcement

Global Id: T0606100381
Action Type: ENFORCEMENT

PRIVATE RESIDENCE (Continued) **S104181044**

Date: 12/18/2007
Action: Verbal Enforcement

Global Id: T0606100381
Action Type: Other
Date: 07/14/1999
Action: Leak Discovery

Global Id: T0606100381
Action Type: RESPONSE
Date: 03/26/2004
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 03/26/2004
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 02/18/2005
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 11/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 11/15/2004
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 08/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 05/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 05/15/2005
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 06/23/2008
Action: File review

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 02/04/2002
Action: Staff Letter

PRIVATE RESIDENCE (Continued) **S104181044**

Global Id: T0606100381
Action Type: RESPONSE
Date: 08/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 08/15/2005
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: RESPONSE
Date: 10/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0606100381
Action Type: RESPONSE
Date: 10/30/2005
Action: Remedial Progress Report

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 04/07/2004
Action: Staff Letter

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0606100381
Action Type: ENFORCEMENT
Date: 07/09/2008
Action: Site Visit / Inspection / Sampling

LUST:
Global Id: T0606100381
Status: Completed - Case Closed
Status Date: 05/04/2009

Global Id: T0606100381
Status: Open - Case Begin Date
Status Date: 07/14/1999

Global Id: T0606100381
Status: Open - Remediation
Status Date: 07/05/2002

Global Id: T0606100381
Status: Open - Remediation
Status Date: 10/21/2003

Global Id: T0606100381
Status: Open - Remediation
Status Date: 12/24/2003

Global Id: T0606100381

PRIVATE RESIDENCE (Continued) **S104181044**

Status: Open - Remediation
Status Date: 03/04/2004

Global Id: T0606100381
Status: Open - Remediation
Status Date: 09/07/2004

Global Id: T0606100381
Status: Open - Remediation
Status Date: 11/17/2004

Global Id: T0606100381
Status: Open - Remediation
Status Date: 02/18/2005

Global Id: T0606100381
Status: Open - Remediation
Status Date: 03/10/2005

Global Id: T0606100381
Status: Open - Remediation
Status Date: 06/03/2005

Global Id: T0606100381
Status: Open - Remediation
Status Date: 08/16/2005

Global Id: T0606100381
Status: Open - Remediation
Status Date: 11/10/2005

Global Id: T0606100381
Status: Open - Remediation
Status Date: 03/24/2006

Global Id: T0606100381
Status: Open - Remediation
Status Date: 05/04/2006

Global Id: T0606100381
Status: Open - Remediation
Status Date: 08/10/2006

Global Id: T0606100381
Status: Open - Remediation
Status Date: 11/17/2006

Global Id: T0606100381
Status: Open - Remediation
Status Date: 03/13/2007

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 07/14/1999

Global Id: T0606100381
Status: Open - Site Assessment

PRIVATE RESIDENCE (Continued) **S104181044**

Status Date: 11/01/2001

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 11/30/2001

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 12/31/2001

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 02/26/2002

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 06/07/2002

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 08/23/2002

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 09/16/2002

Global Id: T0606100381
Status: Open - Site Assessment
Status Date: 12/04/2002

Global Id: T0606100381
Status: Open - Verification Monitoring
Status Date: 11/05/2008

LUST REG 6L:
Region: 6L
Case Number: 6T0 310 A
Active OR Closed Site: Active
Date Closed: Not reported
Type Of Site: UST

HIST CORTESE:
Region: CORTESE
Facility County Code: 31
Reg By: LTNKA
Reg Id: 6T0301A

PLACER CO. MS:
Facility ID: FA0002038
Facility Status: Closed
Program Element Code: 2301
Program: UNDERGROUND STORAGE TANK - 1 TANK
Record Num: PR0002838
District Code: 6
Decode for Fstatus: Closed

PRIVATE RESIDENCE (Continued) **S104181044**

Facility ID: FA0002038
Facility Status: Closed
Program Element Code: 2107
Program: US HAZMAT ONLY-NO WASTE <20,000/month
Record Num: PR0002839
District Code: Not reported
Decode for Fstatus: Closed

CERS TANKS:
Site ID: 260617
CERS ID: T0606100381
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: West Bourgault - PLACER COUNTY
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive, Suite 180
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TAMMY LUNDQUIST - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD.
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5305425400

M80 **FAIRWAY EXCAVATING** **LUST S105033190**
NE **8472 SPECKLED AVENUE** **CERS N/A**
1/4-1/2 **KINGS BEACH, CA 96143**
0.382 mi.
2017 ft. **Site 2 of 3 in cluster M**

Relative:
Higher

Actual:
6350 ft.

LUST REG 6L:
Region: 6L
Case Number: 6T0 312 A
Active OR Closed Site: Closed
Date Closed: 12/11/02
Type Of Site: UST

CERS TANKS:
Site ID: 224364
CERS ID: T0606100383
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: BRIAN GREY - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BOULEVARD

FAIRWAY EXCAVATING (Continued) **S105033190**

Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	West Bourgault - PLACER COUNTY
Entity Title:	Not reported
Affiliation Address:	3091 County Center Drive, Suite 180
Affiliation City:	Auburn
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M81 **FAIRWAY EXCAVATING INC** **LUST** **U001614761**
NE **8472 SPECKLED AVE** **SWEEPS UST** **N/A**
1/4-1/2 **KINGS BEACH, CA 95719** **HIST UST**
0.382 mi. **HIST CORTESE**
2017 ft. **Site 3 of 3 in cluster M**

Relative:
Higher

Actual:
6350 ft.

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100383
Global Id:	T0606100383
Latitude:	39.2433004
Longitude:	-120.0191504
Status:	Completed - Case Closed
Status Date:	12/11/2002
Case Worker:	BDG
RB Case Number:	6T0312A
Local Agency:	PLACER COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T0606100383
Contact Type:	Regional Board Caseworker
Contact Name:	BRIAN GREY
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 LAKE TAHOE BOULEVARD
City:	SOUTH LAKE TAHOE
Email:	bgrey@waterboards.ca.gov
Phone Number:	Not reported
Global Id:	T0606100383
Contact Type:	Local Agency Caseworker
Contact Name:	West Bourgault
Organization Name:	PLACER COUNTY
Address:	3091 County Center Drive, Suite 180
City:	Auburn
Email:	wbourgau@placer.ca.gov

FAIRWAY EXCAVATING INC (Continued) **U001614761**

Phone Number: Not reported

LUST:

Global Id: T0606100383
Action Type: RESPONSE
Date: 11/30/2000
Action: Monitoring Report - Quarterly

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 05/23/2000
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 09/22/2000
Action: * Historical Enforcement

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 11/21/2000
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 01/11/2001
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 04/06/2001
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 08/28/2001
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 10/02/2001
Action: Technical Correspondence / Assistance / Other

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 10/12/2001
Action: Meeting

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 10/16/2001
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 06/23/2000
Action: Meeting

FAIRWAY EXCAVATING INC (Continued) **U001614761**

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 12/11/2002
Action: Closure/No Further Action Letter

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 12/29/2000
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 03/06/2001
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 05/25/2001
Action: File review

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 10/03/2001
Action: Meeting

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 10/15/2001
Action: Technical Correspondence / Assistance / Other

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 10/29/2001
Action: Site Visit / Inspection / Sampling

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 09/29/2000
Action: Staff Letter

Global Id: T0606100383
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

LUST:
Global Id: T0606100383
Status: Completed - Case Closed
Status Date: 12/11/2002

Global Id: T0606100383
Status: Open - Case Begin Date
Status Date: 07/13/1999

Global Id: T0606100383
Status: Open - Remediation
Status Date: 04/13/2001

FAIRWAY EXCAVATING INC (Continued) **U001614761**

Global Id: T0606100383
Status: Open - Remediation
Status Date: 10/20/2001

Global Id: T0606100383
Status: Open - Site Assessment
Status Date: 07/13/1999

Global Id: T0606100383
Status: Open - Site Assessment
Status Date: 08/27/1999

Global Id: T0606100383
Status: Open - Site Assessment
Status Date: 09/01/1999

Global Id: T0606100383
Status: Open - Site Assessment
Status Date: 10/29/1999

Global Id: T0606100383
Status: Open - Verification Monitoring
Status Date: 02/22/2002

SWEEPS UST:
Status: Not reported
Comp Number: 9622
Number: Not reported
Board Of Equalization: 44-017048
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 31-000-009622-000002
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: LEADED GASOL
Number Of Tanks: 4

Status: Not reported
Comp Number: 9622
Number: Not reported
Board Of Equalization: 44-017048
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 31-000-009622-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT

FAIRWAY EXCAVATING INC (Continued) **U001614761**

Content: LEADED GASOL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9622
Number: Not reported
Board Of Equalization: 44-017048
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 31-000-009622-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9622
Number: Not reported
Board Of Equalization: 44-017048
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 31-000-009622-000005
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: EMPTY
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 9622
Number: 1
Board Of Equalization: 44-017048
Referral Date: 06-08-92
Action Date: 06-08-92
Created Date: 02-29-88
Owner Tank Id: FT-1
SWRCB Tank Id: 31-000-009622-000001
Tank Status: A
Capacity: 10000
Active Date: 06-03-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

HIST UST:
File Number: 0001F20B
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F20B.pdf

FAIRWAY EXCAVATING INC (Continued) **U001614761**

Region:	STATE
Facility ID:	00000009622
Facility Type:	Other
Other Type:	EXCAVATING CONTR.
Contact Name:	DOUGLAS M. ATKIN
Telephone:	7028310565
Owner Name:	FAIRWAY EXCAVATING, INC.
Owner Address:	8472 SPECKLED AVE
Owner City,St,Zip:	KINGS BEACH, CA 95719
Total Tanks:	0005
Tank Num:	001
Container Num:	FT-1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	FT-2
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	FT-3
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	FT-4
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	FT-5
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

FAIRWAY EXCAVATING INC (Continued) **U001614761**

Click here for Geo Tracker PDF:

HIST CORTESE:

Region:	CORTESE
Facility County Code:	31
Reg By:	LTNKA
Reg Id:	6T0312A

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82 **BURDICK EXCAVATING COMPANY** **LUST** **S110709959**
NE **8555 CUTTHROAT AVE** **CA PLACER CO. MS** **N/A**
1/4-1/2 **KINGS BEACH, CA 96143**
0.420 mi.
2219 ft.

Relative:
Higher

Actual:
6343 ft.

LUST:

Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000012003
Global Id:	T10000012003
Latitude:	39.24271
Longitude:	-120.02274
Status:	Open - Assessment & Interim Remedial Action
Status Date:	06/20/2018
Case Worker:	Not reported
RB Case Number:	6T0414A
Local Agency:	PLACER COUNTY
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as overseen by the Lahontan Regional Water Quality Control Board. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab.

LUST:

Global Id:	T10000012003
Contact Type:	Regional Board Caseworker
Contact Name:	ABBY CAZIER
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 Lake Tahoe Boulevard
City:	SOUTH LAKE TAHOE
Email:	abby.cazier@waterboards.ca.gov
Phone Number:	5305425429

LUST:

Global Id:	T10000012003
Action Type:	Other
Date:	06/20/2018
Action:	Leak Reported

Global Id:	T10000012003
Action Type:	RESPONSE

BURDICK EXCAVATING COMPANY (Continued) **S110709959**

Date: 06/12/2018
Action: Unauthorized Release Form

Global Id: T10000012003
Action Type: Other
Date: 06/20/2018
Action: Leak Discovery

LUST:
Global Id: T10000012003
Status: Open - Assessment & Interim Remedial Action
Status Date: 06/20/2018

Global Id: T10000012003
Status: Open - Case Begin Date
Status Date: 06/20/2018

PLACER CO. MS:
Facility ID: FA0001872
Facility Status: Closed
Program Element Code: 2105
Program: HAZMAT BUSINESS PLAN
Record Num: PR0002646
District Code: 6
Decode for Fstatus: Closed

N83 **NORTH TAHOE PUD-LIFT STATION** **LUST** **S103770877**
West **7010 LAKE BLVD** **HIST CORTESE** **N/A**
1/4-1/2 **TAHOE VISTA, CA 96148** **CERS**
0.434 mi.
2290 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**
Actual: **6237 ft.**

LUST:
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606100349
Global Id: T0606100349
Latitude: 39.2387191
Longitude: -120.0416514
Status: Completed - Case Closed
Status Date: 12/16/2003
Case Worker: JEB
RB Case Number: 6T0209A
Local Agency: PLACER COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0606100349
Contact Type: Regional Board Caseworker
Contact Name: JAMES BRATHOVDE
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BLVD

NORTH TAHOE PUD-LIFT STATION (Continued) **S103770877**

City: SOUTH LAKE TAHOE
Email: jbrathovde@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0606100349
Contact Type: Local Agency Caseworker
Contact Name: West Bourgault
Organization Name: PLACER COUNTY
Address: 3091 County Center Drive, Suite 180
City: Auburn
Email: wbourgau@placer.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0606100349
Action Type: Other
Date: 06/15/1995
Action: Leak Reported

Global Id: T0606100349
Action Type: RESPONSE
Date: 07/31/2003
Action: Monitoring Report - Quarterly

Global Id: T0606100349
Action Type: RESPONSE
Date: 08/31/2003
Action: Request for Closure

Global Id: T0606100349
Action Type: Other
Date: 06/01/1995
Action: Leak Discovery

Global Id: T0606100349
Action Type: ENFORCEMENT
Date: 12/16/2003
Action: Closure/No Further Action Letter

Global Id: T0606100349
Action Type: ENFORCEMENT
Date: 03/26/1997
Action: Staff Letter

Global Id: T0606100349
Action Type: Other
Date: 06/12/1995
Action: Leak Stopped

Global Id: T0606100349
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0606100349
Action Type: ENFORCEMENT
Date: 07/25/2003

NORTH TAHOE PUD-LIFT STATION (Continued) **S103770877**

Action: * Verbal Communication

LUST:

Global Id: T0606100349
Status: Completed - Case Closed
Status Date: 12/16/2003

Global Id: T0606100349
Status: Open - Case Begin Date
Status Date: 06/01/1995

Global Id: T0606100349
Status: Open - Site Assessment
Status Date: 06/12/1995

Global Id: T0606100349
Status: Open - Site Assessment
Status Date: 07/16/1995

Global Id: T0606100349
Status: Open - Site Assessment
Status Date: 10/05/1995

Global Id: T0606100349
Status: Open - Site Assessment
Status Date: 11/20/1996

Global Id: T0606100349
Status: Open - Site Assessment
Status Date: 01/12/1998

Global Id: T0606100349
Status: Open - Site Assessment
Status Date: 09/22/1998

Global Id: T0606100349
Status: Open - Site Assessment
Status Date: 11/17/1998

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 06/18/1998

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 09/21/1998

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 12/17/1998

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 05/04/1999

Global Id: T0606100349
Status: Open - Verification Monitoring

NORTH TAHOE PUD-LIFT STATION (Continued) **S103770877**

Status Date: 08/26/1999

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 09/23/1999

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 12/22/1999

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 05/08/2000

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 07/19/2000

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 12/18/2000

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 06/01/2001

Global Id: T0606100349
Status: Open - Verification Monitoring
Status Date: 12/19/2001

HIST CORTESE:
Region: CORTESE
Facility County Code: 31
Reg By: LTNKA
Reg Id: 6T0209A

CERS TANKS:
Site ID: 227358
CERS ID: T0606100349
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: West Bourgault - PLACER COUNTY
Entity Title: Not reported
Affiliation Address: 3091 County Center Drive, Suite 180
Affiliation City: Auburn
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES BRATHOVDE - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD

NORTH TAHOE PUD-LIFT STATION (Continued) **S103770877**

Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

N84
West
1/4-1/2
0.434 mi.
2290 ft.

NORTH TAHOE PUD LIFT STATION **LUST** **S105698833**
7010 LAKE BLVD. **N/A**
TAHOE VISTA, CA

Site 2 of 2 in cluster N

Relative:
Lower

Actual:
6237 ft.

LUST REG 6L:

Region:	6L
Case Number:	6T0 209 A
Active OR Closed Site:	Active
Date Closed:	Not reported
Type Of Site:	UST

85
East
1/4-1/2
0.444 mi.
2345 ft.

KINGS BEACH **Notify 65** **S100178481**
8600 GOLDEN AVE **N/A**
KINGS BEACH, CA 95193

Relative:
Higher

Actual:
6279 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TAHOE CITY	S105790716	TRUCKEE TAHOHE AIRPORT DIST (TEXAC	NORTH LAKE BLVD ?		LUST
TAHOE VISTA	S105790688	SIERRA PACIFIC POWER COMPANY TAHOE	7001 NATIONAL AVENUE		LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 21

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/18/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 09/28/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

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

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 10/24/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 40

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/31/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/26/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/03/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/03/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

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

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 08/28/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 63
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/26/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/13/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 42

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/10/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/15/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 56

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/09/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 23
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/19/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/19/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/05/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 23

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 58

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/24/2019
Date Data Arrived at EDR: 01/25/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 39

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 46

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 28

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/19/2018
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 13

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 12/07/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/24/2019
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/27/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/25/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/29/2019
Date Data Arrived at EDR: 01/31/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 34

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/05/2018
Number of Days to Update: 24
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 60
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 67
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 42
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 03/06/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/15/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/13/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 15

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 10

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/08/2019
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 35

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 35

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 42

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 22

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WESTERN APPROACH
8001 NORTH LAKE BLVD
KINGS BEACH, CA 96143

TARGET PROPERTY COORDINATES

Latitude (North):	39.238276 - 39° 14' 17.79''
Longitude (West):	120.031347 - 120° 1' 52.85''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	756226.2
UTM Y (Meters):	4347211.5
Elevation:	6248 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630323 KINGS BEACH, CA
Version Date:	2012
North Map:	5630327 MARTIS PEAK, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

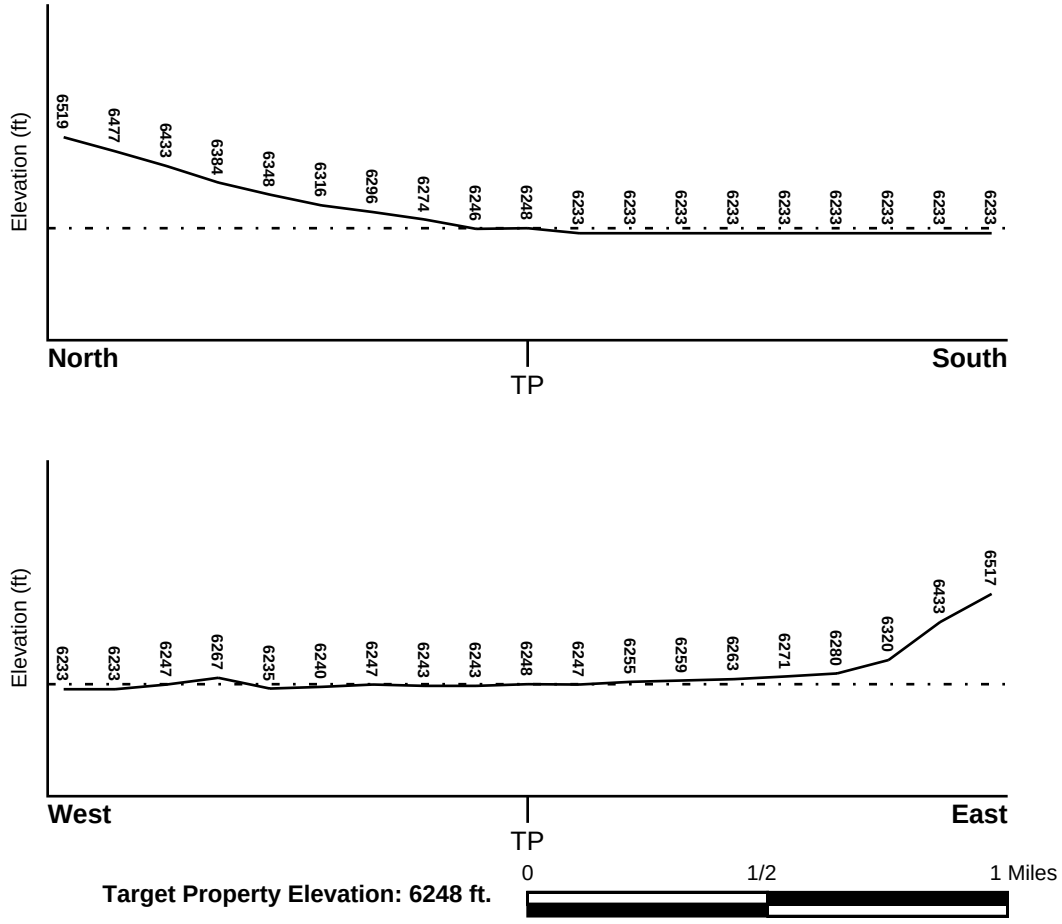
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 6248 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
32031C3400G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06057C0575E	FEMA FIRM Flood data
0602390100C	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
KINGS BEACH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Pliocene volcanic rocks
Code:	Tpv *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Volcanic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	TAHOMA
Soil Surface Texture:	stony - sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 80 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	11 inches	stony - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.60
2	11 inches	19 inches	very cobbly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.00 Min: 4.50
3	19 inches	35 inches	cobbly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
4	35 inches	68 inches	gravelly - clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 5.50 Min: 4.50
5	68 inches	72 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: very stony - sandy loam
fragmental material
gravelly - sandy loam
unweathered bedrock
gravelly - fine sandy loam
sandy loam
very gravelly - loam
cobbly - sandy loam
very gravelly - sandy loam
gravelly - loam

Surficial Soil Types: very stony - sandy loam
fragmental material
gravelly - sandy loam
unweathered bedrock
gravelly - fine sandy loam
sandy loam
very gravelly - loam

cobbly - sandy loam
very gravelly - sandy loam
gravelly - loam

Shallow Soil Types: cobbly - loam
very gravelly - sandy loam
very gravelly - loam
gravelly - loam
gravelly - sandy loam
very gravelly - coarse sandy loam

Deeper Soil Types: weathered bedrock
fragmental material
stratified
cemented

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

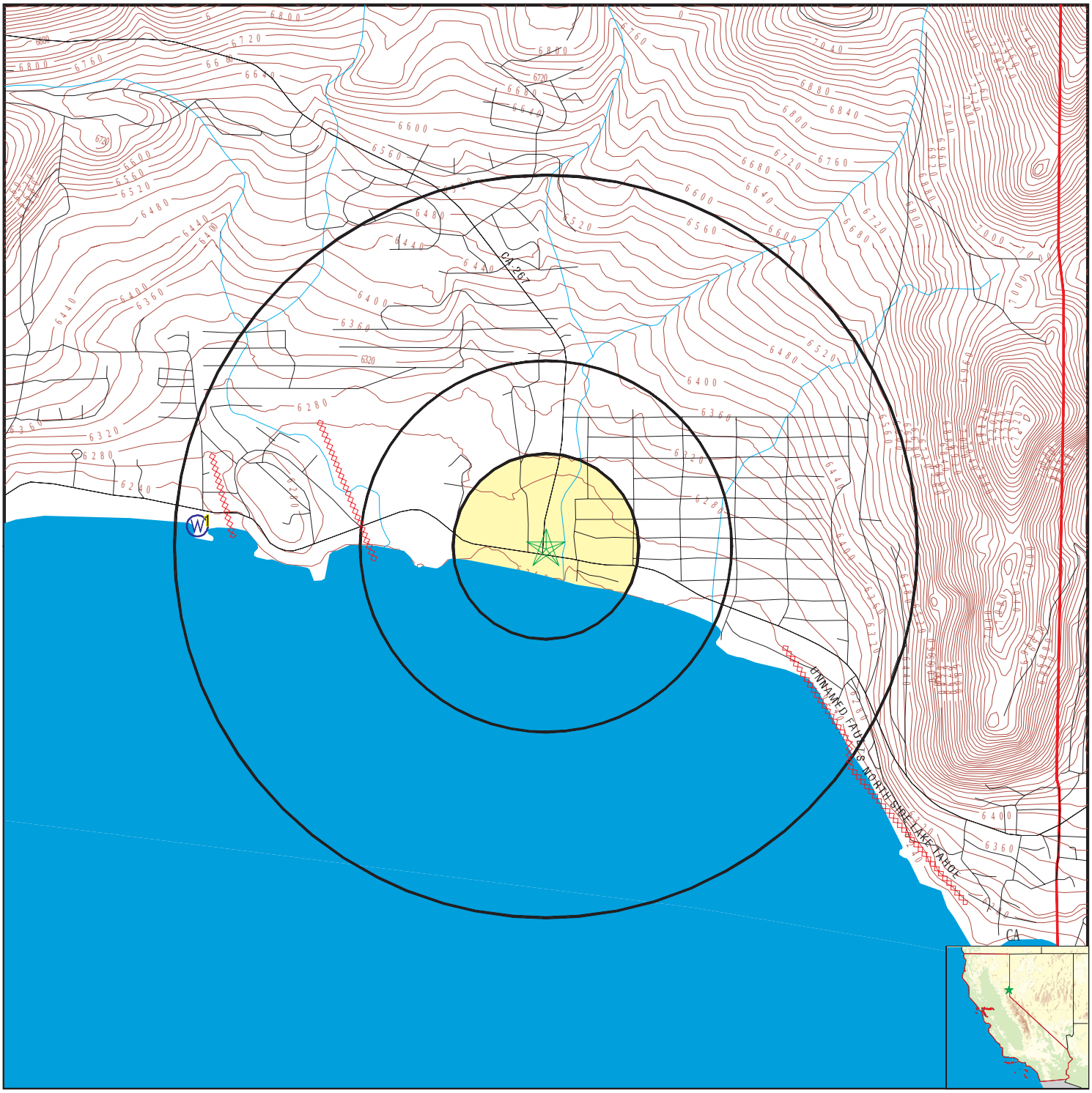
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	23790	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 5585045.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Western Approach	CLIENT:	Nichols Consulting Eng.,Chtd.
ADDRESS:	8001 North Lake Blvd Kings Beach CA 96143	CONTACT:	Anna Henke
LAT/LONG:	39.238276 / 120.031347	INQUIRY #:	5585045.2s
		DATE:	March 08, 2019 7:22 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1		
West	**CA WELLS**	**23790**
1/2 - 1 Mile		
Lower		

Seq:	23790	Prim sta c:	R31/001-NATL T
Frds no:	3110001004	County:	31
District:	09	User id:	TEN
System no:	3110001	Water type:	G
Source nam:	NATIONAL AVENUE - TREATED	Station ty:	LAKE/AMBNT/MUN/INTAKE
Latitude:	391421.0	Longitude:	1200252.0
Precision:	3	Status:	AT
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3110001	System nam:	North Tahoe PUD - Main
Hqname:	NORTH TAHOE PUBLIC UTIL DIST	Address:	P.O. Box 139
City:	Tahoe Vista	State:	CA
Zip:	96148	Zip ext:	Not Reported
Pop serv:	10000	Connection:	2849
Area serve:	KINGS BEACH & VIC		

Sample date:	05-AUG-14	Finding:	1.8
Chemical:	TRICHLOROACETIC ACID (TCAA)	Report units:	UG/L
Dlr:	1.		

Sample date:	05-AUG-14	Finding:	8.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		

Sample date:	05-AUG-14	Finding:	6.7
Chemical:	HALOACETIC ACIDS (5) (HAA5)	Report units:	UG/L
Dlr:	0.		

Sample date:	05-AUG-14	Finding:	6.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	05-AUG-14	Finding:	1.9
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	05-AUG-14	Finding:	4.9
Chemical:	DICHLOROACETIC ACID (DCAA)	Report units:	UG/L
Dlr:	1.		

Sample date:	03-SEP-13	Finding:	16.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	03-SEP-13	Finding:	3.2
Chemical:	HALOACETIC ACIDS (5) (HAA5)	Report units:	UG/L
Dlr:	0.		

Sample date:	03-SEP-13	Finding:	2.2
Chemical:	TRICHLOROACETIC ACID (TCAA)	Report units:	UG/L
Dlr:	1.		

Sample date:	03-SEP-13	Finding:	22.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	03-SEP-13	Finding:	1.9
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	03-SEP-13	Finding:	4.3
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	17-DEC-12	Finding:	3.7
Chemical:	HALOACETIC ACIDS (5) (HAA5)	Report units:	UG/L
Dlr:	0.		
Sample date:	17-DEC-12	Finding:	2.3
Chemical:	DICHLOROACETIC ACID (DCAA)	Report units:	UG/L
Dlr:	1.		
Sample date:	17-DEC-12	Finding:	1.9
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	17-DEC-12	Finding:	5.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	17-DEC-12	Finding:	3.9
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	17-DEC-12	Finding:	1.4
Chemical:	TRICHLOROACETIC ACID (TCAA)	Report units:	UG/L
Dlr:	1.		
Sample date:	21-AUG-12	Finding:	1.2
Chemical:	TRICHLOROACETIC ACID (TCAA)	Report units:	UG/L
Dlr:	1.		
Sample date:	21-AUG-12	Finding:	9.9
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	21-AUG-12	Finding:	3.7
Chemical:	DICHLOROACETIC ACID (DCAA)	Report units:	UG/L
Dlr:	1.		
Sample date:	21-AUG-12	Finding:	4.9
Chemical:	HALOACETIC ACIDS (5) (HAA5)	Report units:	UG/L
Dlr:	0.		
Sample date:	21-AUG-12	Finding:	2.2
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	21-AUG-12	Finding:	1.1
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	21-AUG-12	Finding:	6.6
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr: 1.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
96143	46	9

Federal EPA Radon Zone for PLACER County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for PLACER COUNTY, CA

Number of sites tested: 68

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.466 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.500 pCi/L	100%	0%	0%
Basement	3.043 pCi/L	71%	29%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX B

HISTORICAL AERIAL PHOTOGRAPHS

Western Approach

8001 North Lake Blvd

Kings Beach, CA 96143

Inquiry Number: 5585045.11

March 11, 2019

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

03/11/19

Site Name:

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143
EDR Inquiry # 5585045.11

Client Name:

Nichols Consulting Eng.,Chtd.
8795 Folsom Boulevard
Sacramento, CA 95826
Contact: Anna Henke

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Acquisition Date: September 01, 1998	USGS/DOQQ
1984	1"=500'	Flight Date: August 19, 1984	USDA
1976	1"=500'	Flight Date: July 01, 1976	USGS
1973	1"=500'	Flight Date: August 01, 1973	USGS
1969	1"=500'	Flight Date: August 16, 1969	USGS
1962	1"=500'	Flight Date: August 21, 1962	USGS
1956	1"=500'	Flight Date: November 25, 1956	USGS
1952	1"=500'	Flight Date: July 19, 1952	USDA
1948	1"=500'	Flight Date: June 01, 1948	USGS
1939	1"=500'	Flight Date: June 29, 1939	USDA

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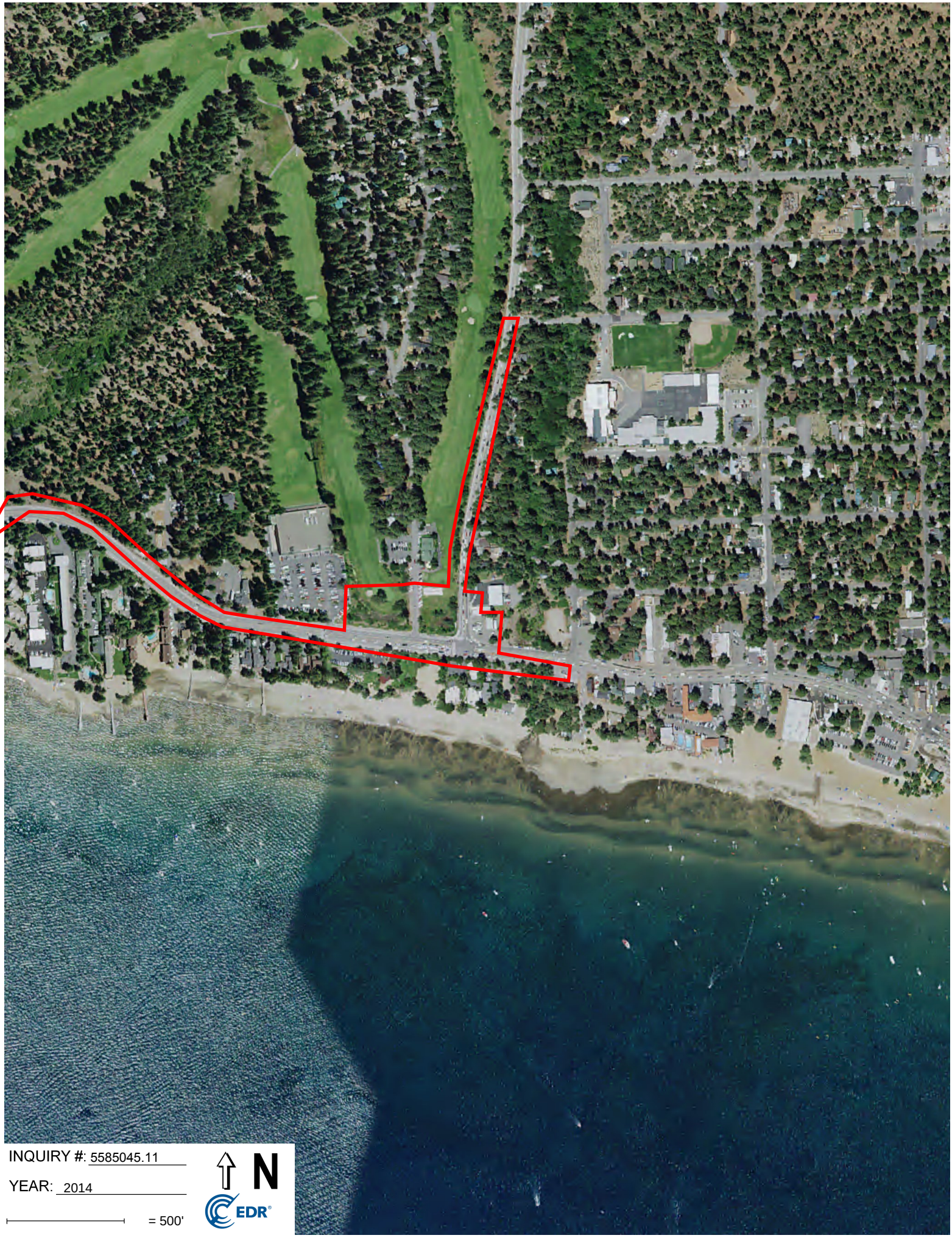
INQUIRY #: 5585045.11

YEAR: 2017

= 500'

N

EDR



INQUIRY #: 5585045.11

YEAR: 2014

= 500'

N

EDR

INQUIRY #: 5585045.11

YEAR: 2010

= 500'

N

EDR

INQUIRY #: 5585045.11
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 5585045.11

YEAR: 1998

= 500'

N

EDR

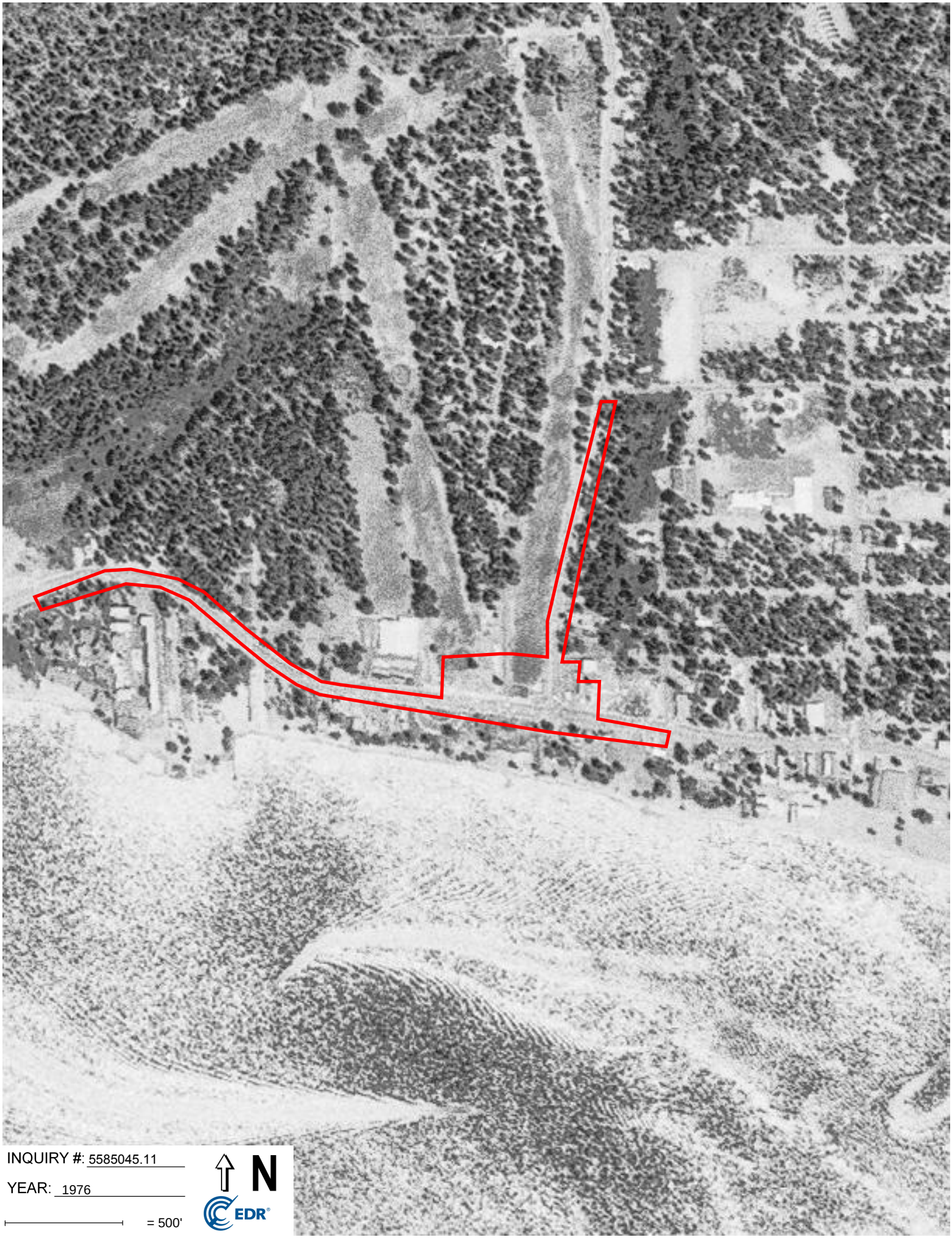
INQUIRY #: 5585045.11

YEAR: 1984

= 500'

N

EDR



INQUIRY #: 5585045.11

YEAR: 1976

= 500'

N

EDR

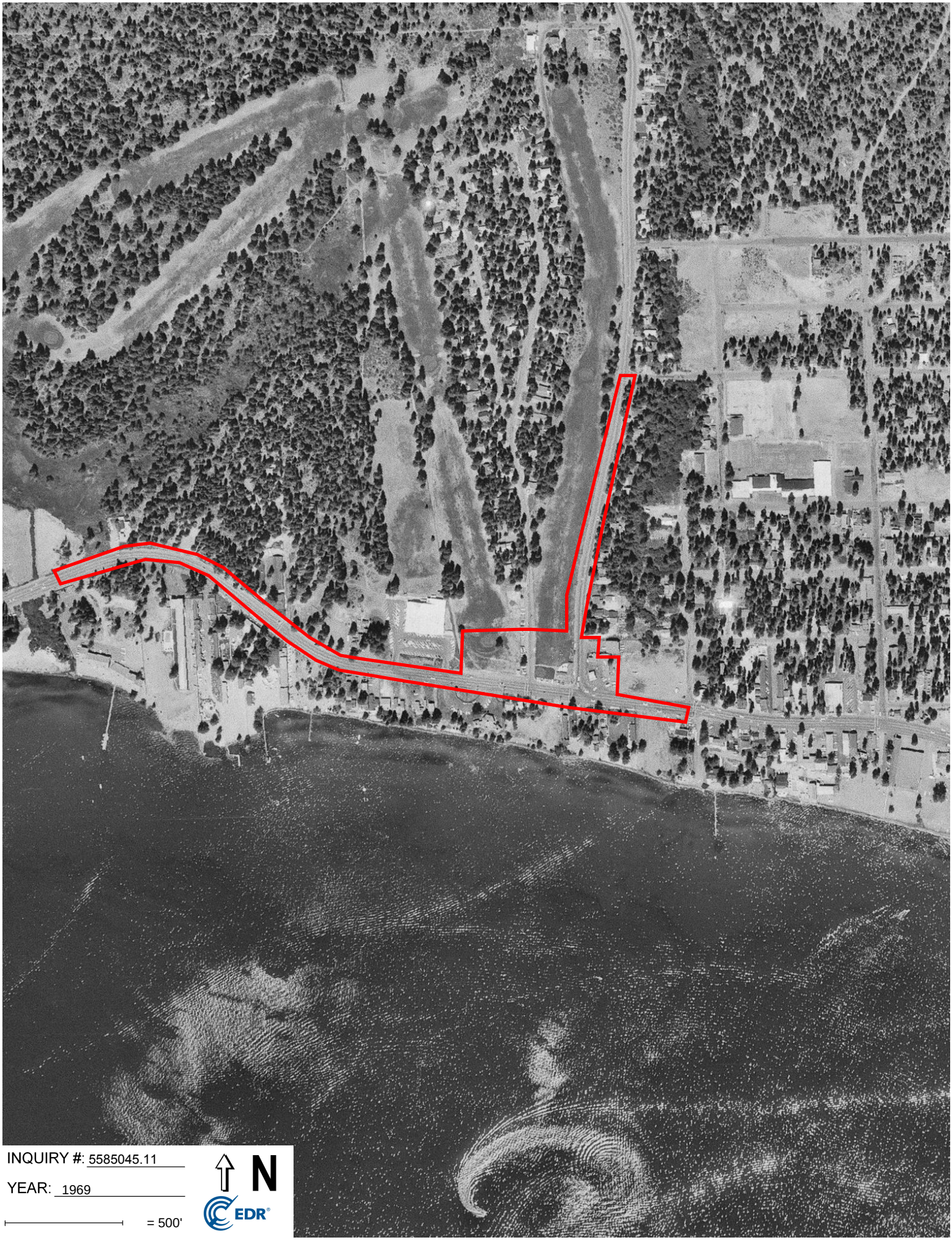
INQUIRY #: 5585045.11

YEAR: 1973

= 500'

N

EDR



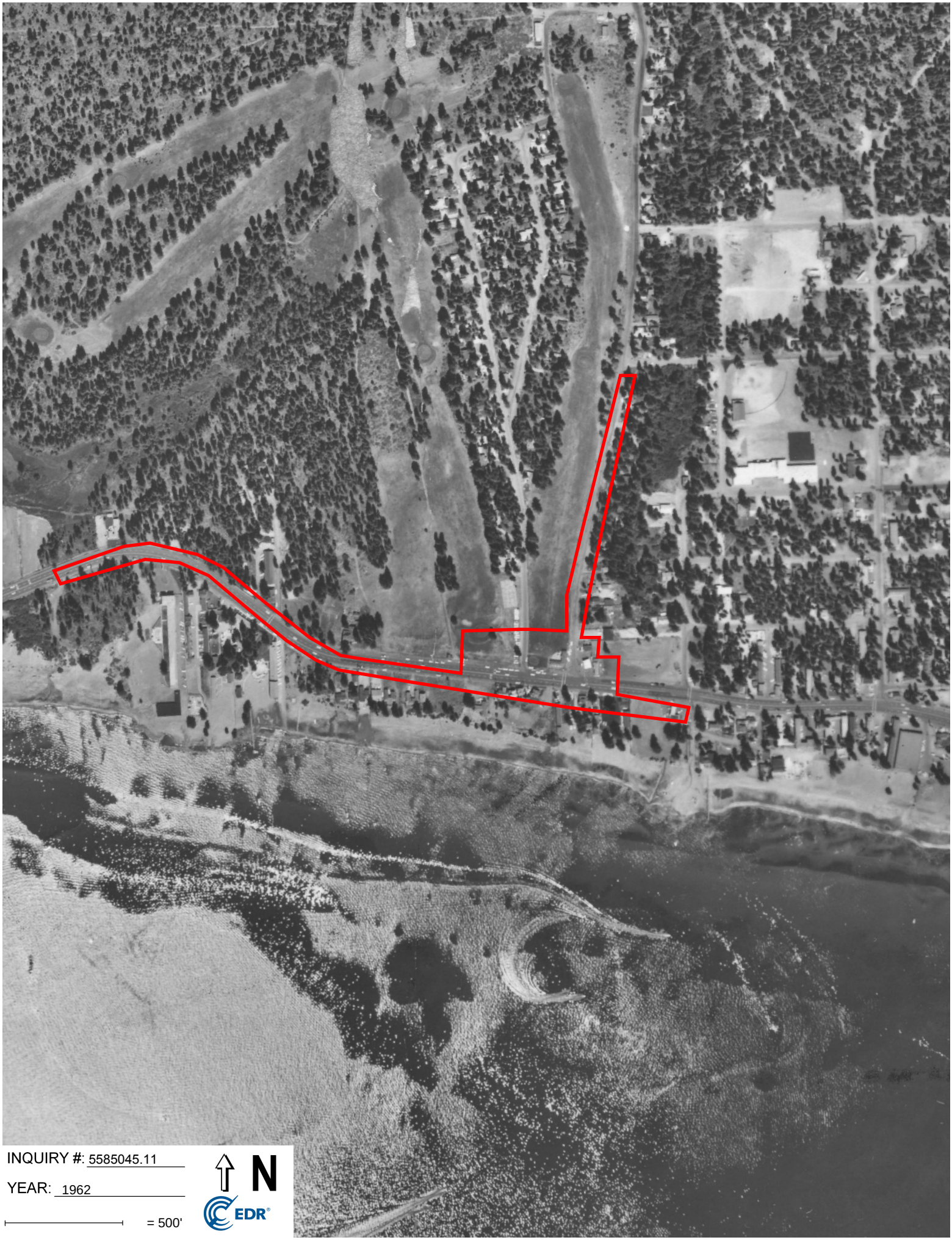
INQUIRY #: 5585045.11

YEAR: 1969

= 500'

N

EDR



INQUIRY #: 5585045.11

YEAR: 1962

= 500'

N

EDR

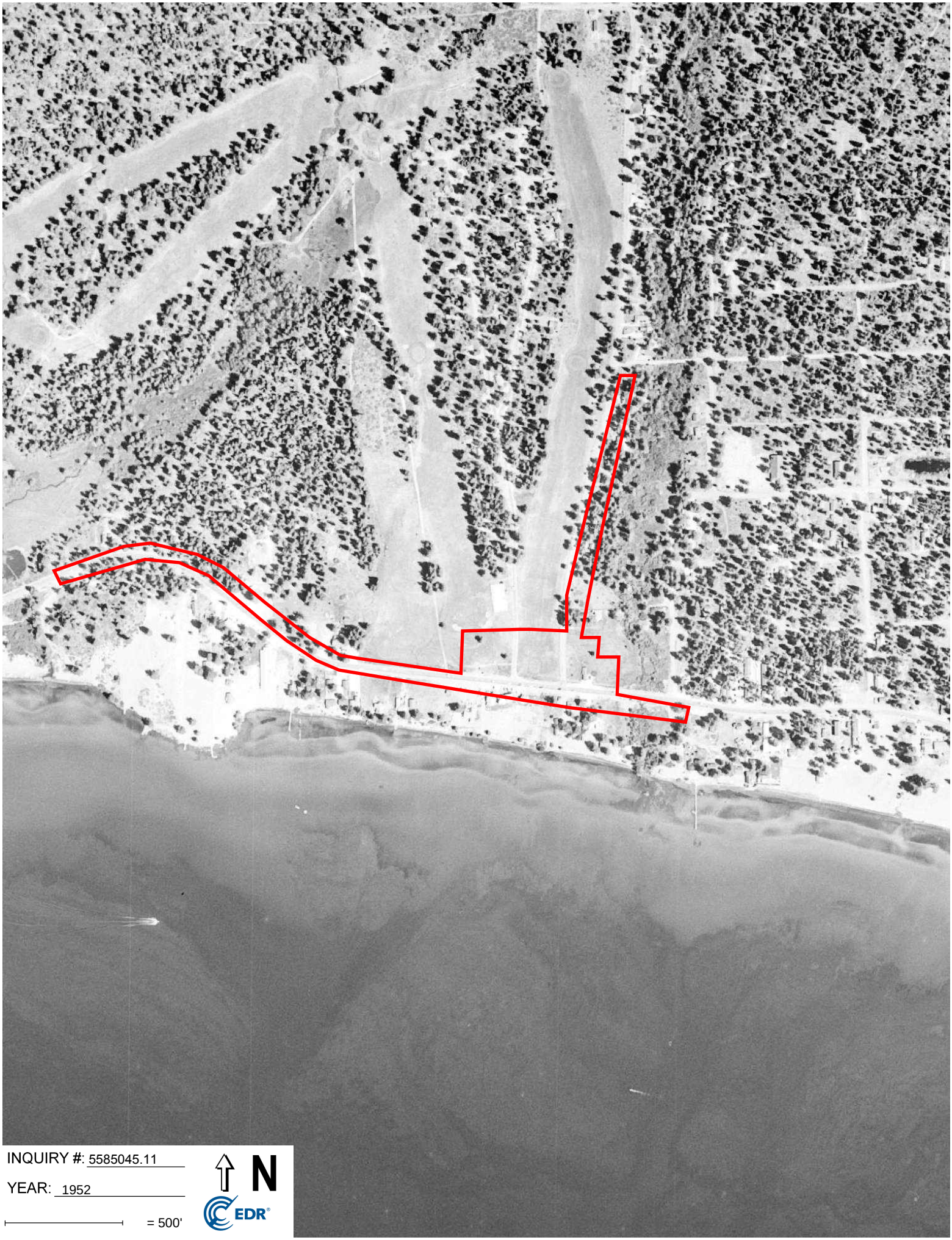
INQUIRY #: 5585045.11

YEAR: 1956

= 500'

N

EDR



INQUIRY #: 5585045.11

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 5585045.11

YEAR: 1948

= 500'

N

EDR

INQUIRY #: 5585045.11

YEAR: 1939

= 500'

N

EDR

APPENDIX C

HISTORICAL TOPOGRAPHIC MAPS

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143

Inquiry Number: 5585045.4
March 08, 2019

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

03/08/19

Site Name:

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143
EDR Inquiry # 5585045.4

Client Name:

Nichols Consulting Eng.,Chtd.
8795 Folsom Boulevard
Sacramento, CA 95826
Contact: Anna Henke

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Nichols Consulting Eng.,Chtd. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: 1011.02.25 task 4.8

Coordinates:

Latitude:	39.238276 39° 14' 18" North
Longitude:	-120.031347 -120° 1' 53" West
UTM Zone:	Zone 10 North
UTM X Meters:	756219.60
UTM Y Meters:	4347419.62
Elevation:	6248.00' above sea level

Maps Provided:

2012	1891
1994	
1969	
1955	
1940	
1932	
1895	
1893	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Kings Beach
2012
7.5-minute, 24000

Martis Peak
2012
7.5-minute, 24000

1994 Source Sheets

Martis Peak
1994
7.5-minute, 24000
Aerial Photo Revised 1992

Kings Beach
1994
7.5-minute, 24000
Aerial Photo Revised 1992

1969 Source Sheets

Kings Beach
1969
7.5-minute, 24000
Aerial Photo Revised 1969

Martis Peak
1969
7.5-minute, 24000
Aerial Photo Revised 1969

1955 Source Sheets

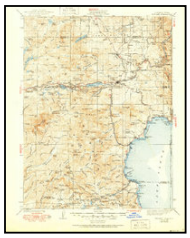
Martis Peak
1955
7.5-minute, 24000
Aerial Photo Revised 1952

Kings Beach
1955
7.5-minute, 24000
Aerial Photo Revised 1953

Topo Sheet Key

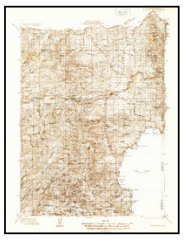
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1940 Source Sheets



Truckee
1940
30-minute, 125000

1932 Source Sheets



Truckee
1932
30-minute, 96000

1895 Source Sheets

Truckee
1895
30-minute, 125000

1893 Source Sheets

Truckee
1893
30-minute, 125000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1891 Source Sheets

Truckee
1891
30-minute, 125000

Historical Topo Map

2012

This report includes information from the following map sheet(s).

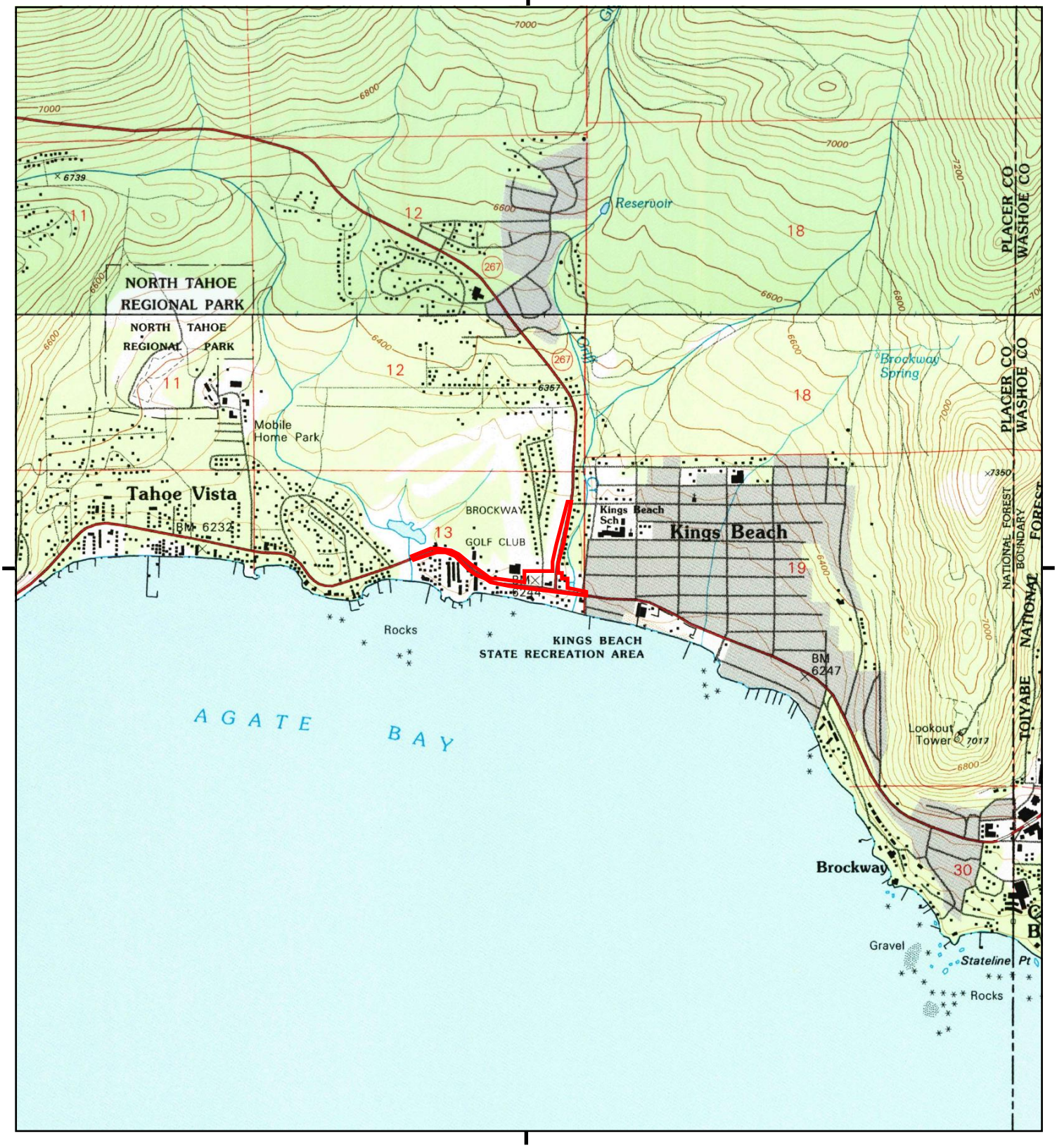
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Kings Beach, 2012, 7.5-minute
N, Martis Peak, 2012, 7.5-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N



This report includes information from the following map sheet(s).

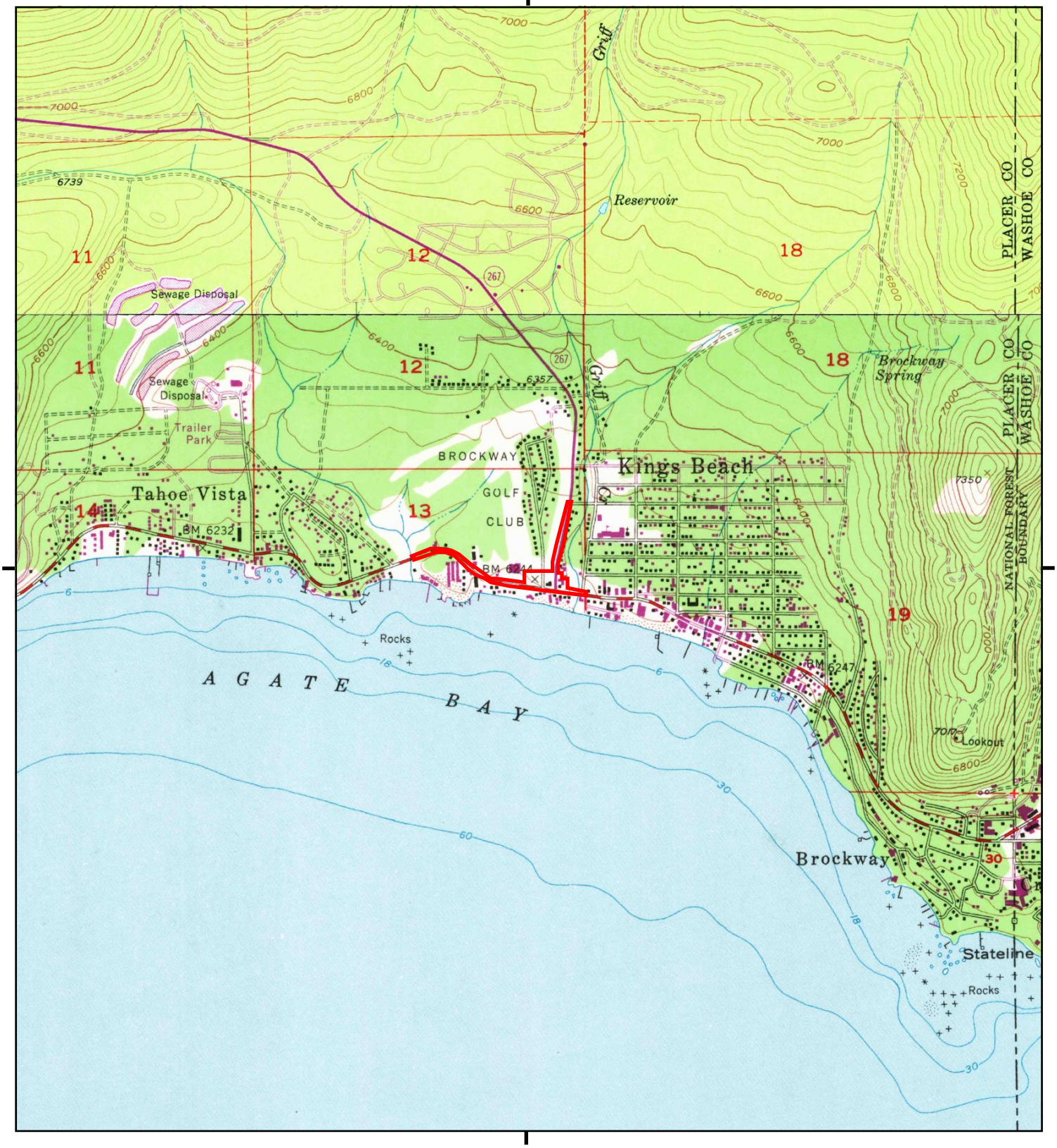
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Kings Beach, 1994, 7.5-minute
N, Martis Peak, 1994, 7.5-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Kings Beach, 1969, 7.5-minute
N, Martis Peak, 1969, 7.5-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N

This report includes information from the following map sheet(s).

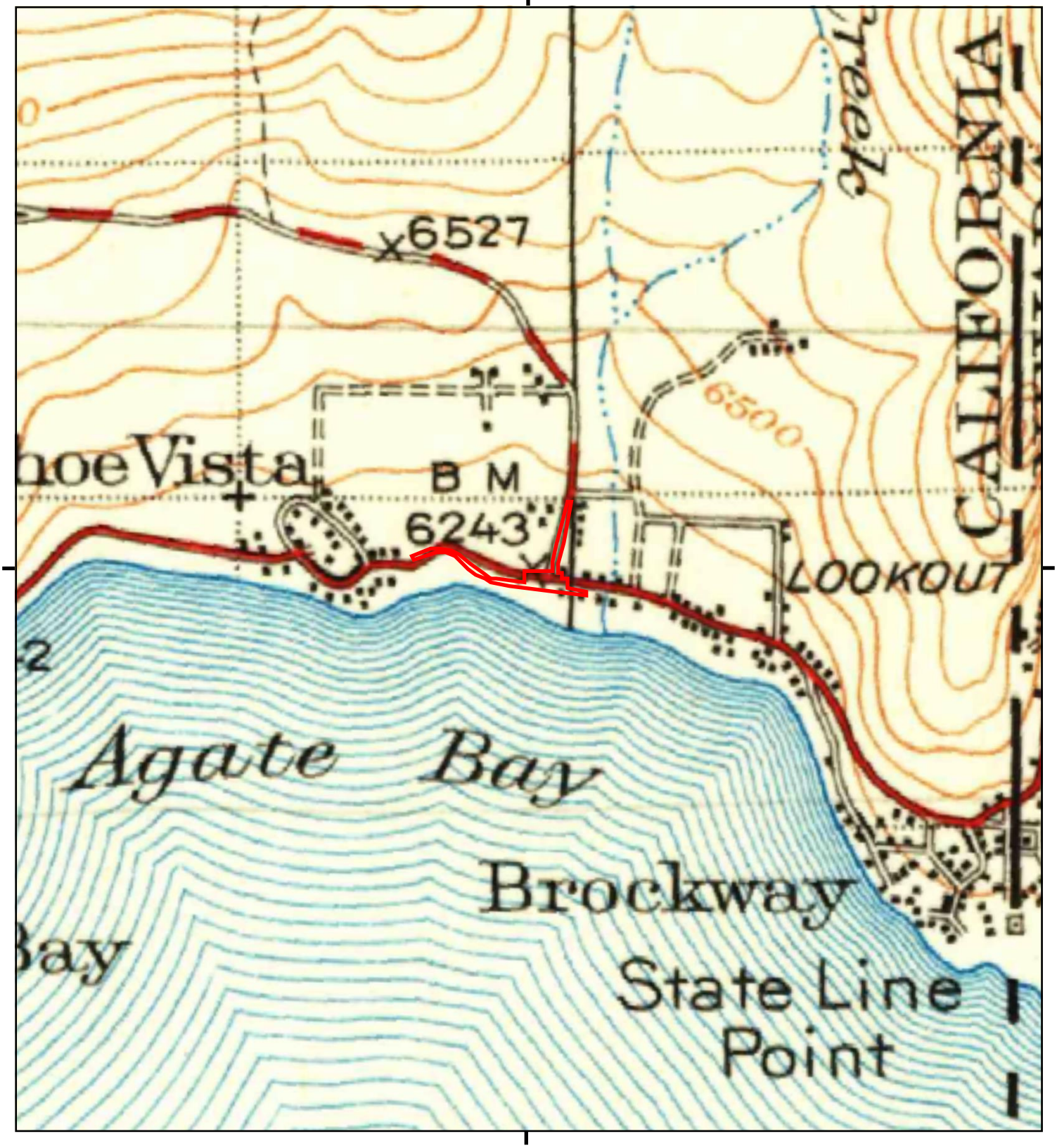
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Kings Beach, 1955, 7.5-minute
N, Martis Peak, 1955, 7.5-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N



This report includes information from the following map sheet(s).

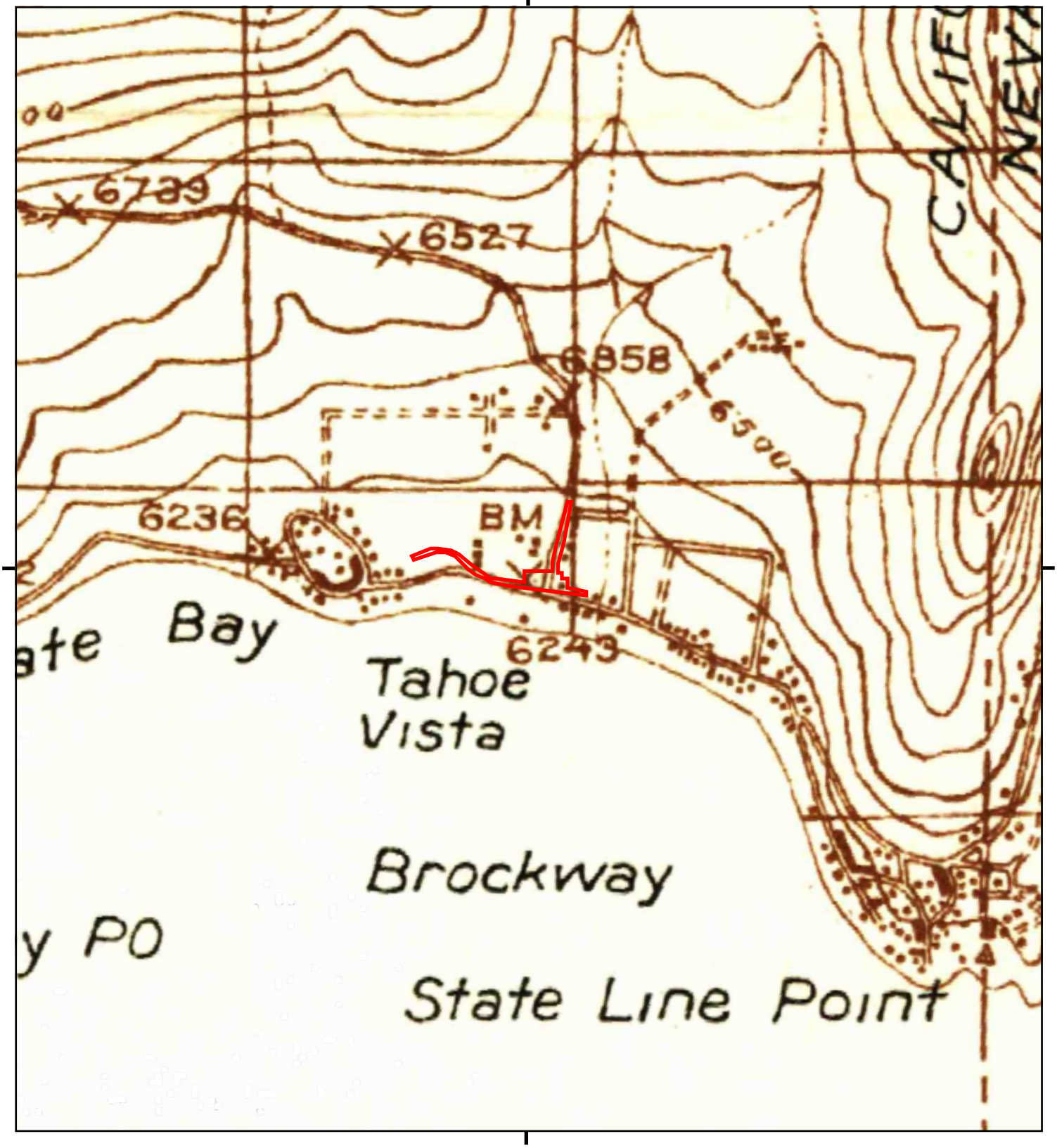
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Truckee, 1940, 30-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N



This report includes information from the following map sheet(s).

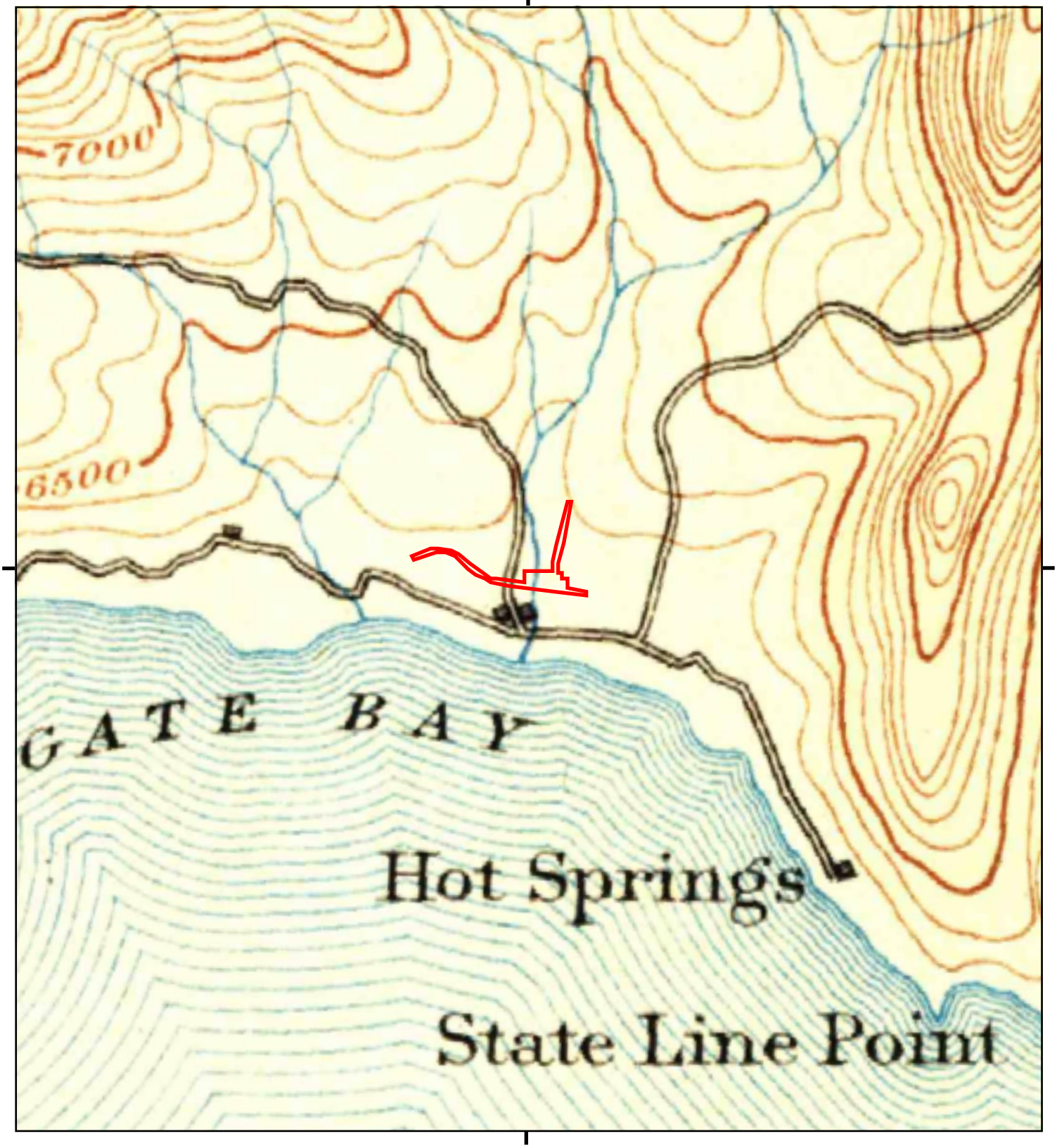
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Truckee, 1932, 30-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N



This report includes information from the following map sheet(s).

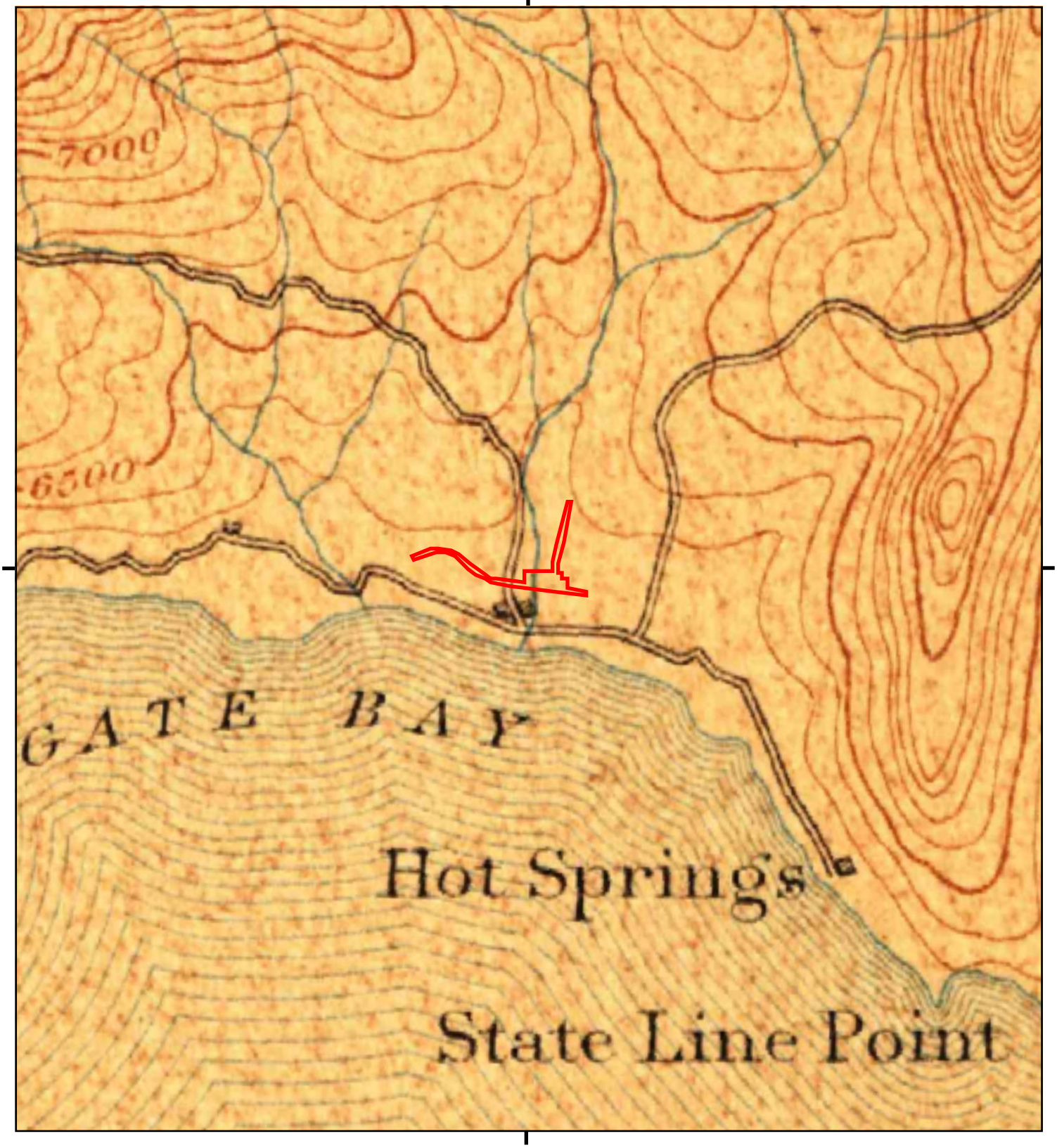
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Truckee, 1895, 30-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N



This report includes information from the following map sheet(s).

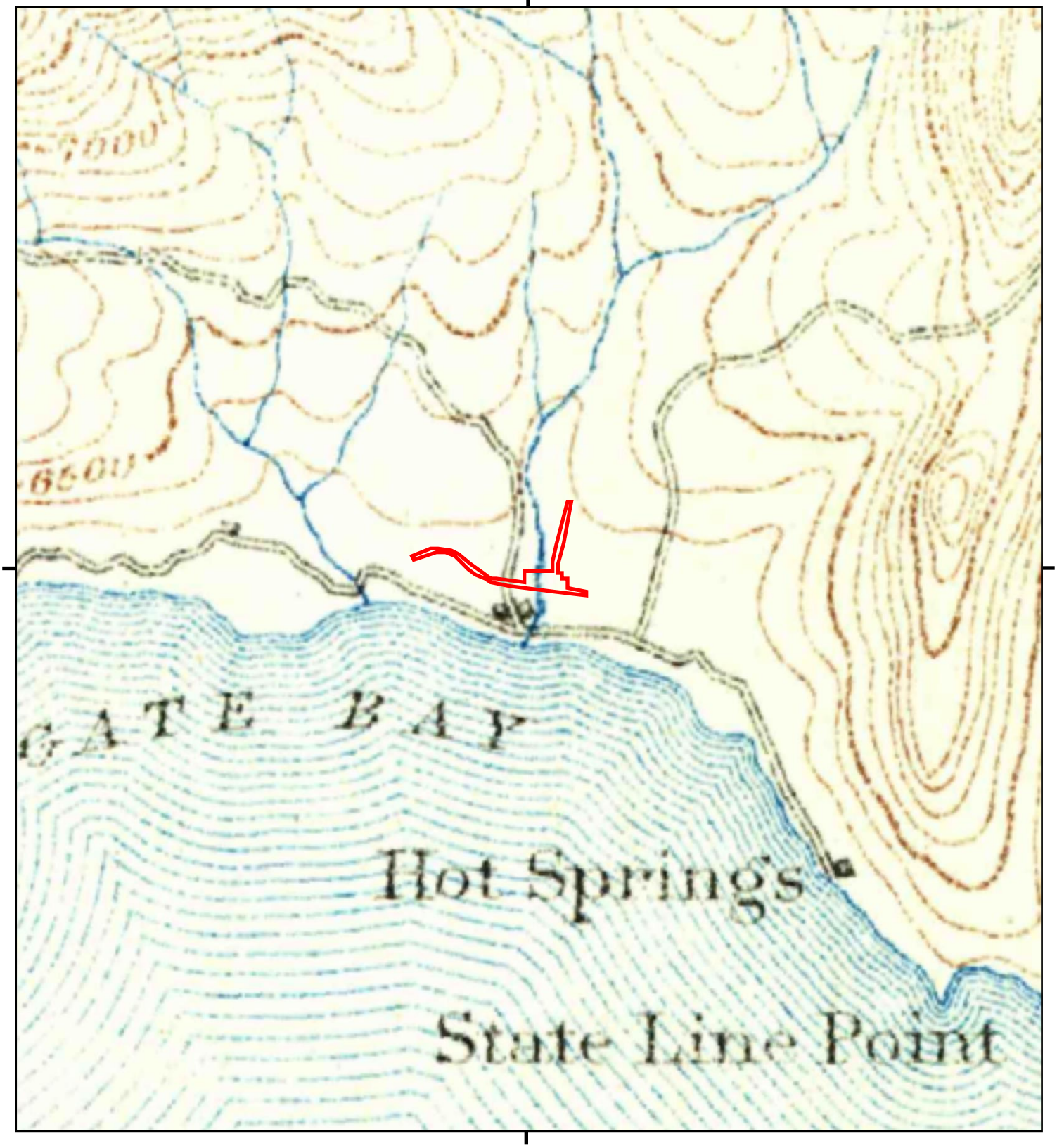
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Truckee, 1893, 30-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Truckee, 1891, 30-minute

SITE NAME: Western Approach
ADDRESS: 8001 North Lake Blvd
Kings Beach, CA 96143
CLIENT: Nichols Consulting Eng.,Chtd.

N

APPENDIX D

SANBORN FIRE INSURANCE MAP SEARCH RESULTS

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143

Inquiry Number: 5585045.3
March 08, 2019

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

03/08/19

Site Name:

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143
EDR Inquiry # 5585045.3

Client Name:

Nichols Consulting Eng.,Chtd.
8795 Folsom Boulevard
Sacramento, CA 95826
Contact: Anna Henke

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # B40C-4AA5-BA9C

PO # NA

Project 1011.02.25 task 4.8

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: B40C-4AA5-BA9C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX E

PROPERTY TAX MAP REPORT

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143

Inquiry Number: 5585045.6
March 11, 2019

The EDR Property Tax Map Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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

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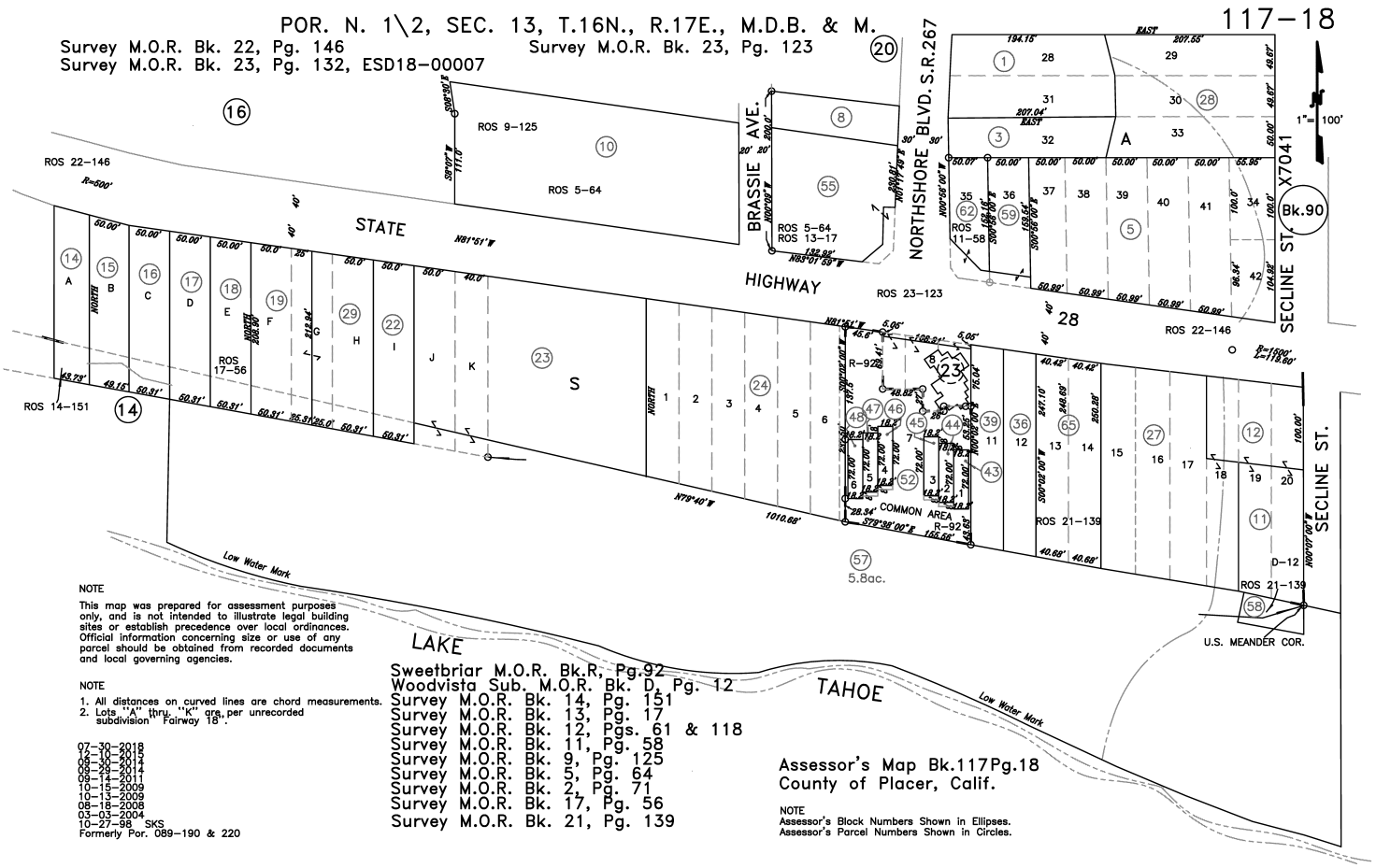


NOTE

This map was prepared for assessment purposes only, and is not intended to illustrate legal building sites or establish precedence over local ordinances. Official information concerning size or use of any parcel should be obtained from recorded documents and local governing agencies.

NOTE

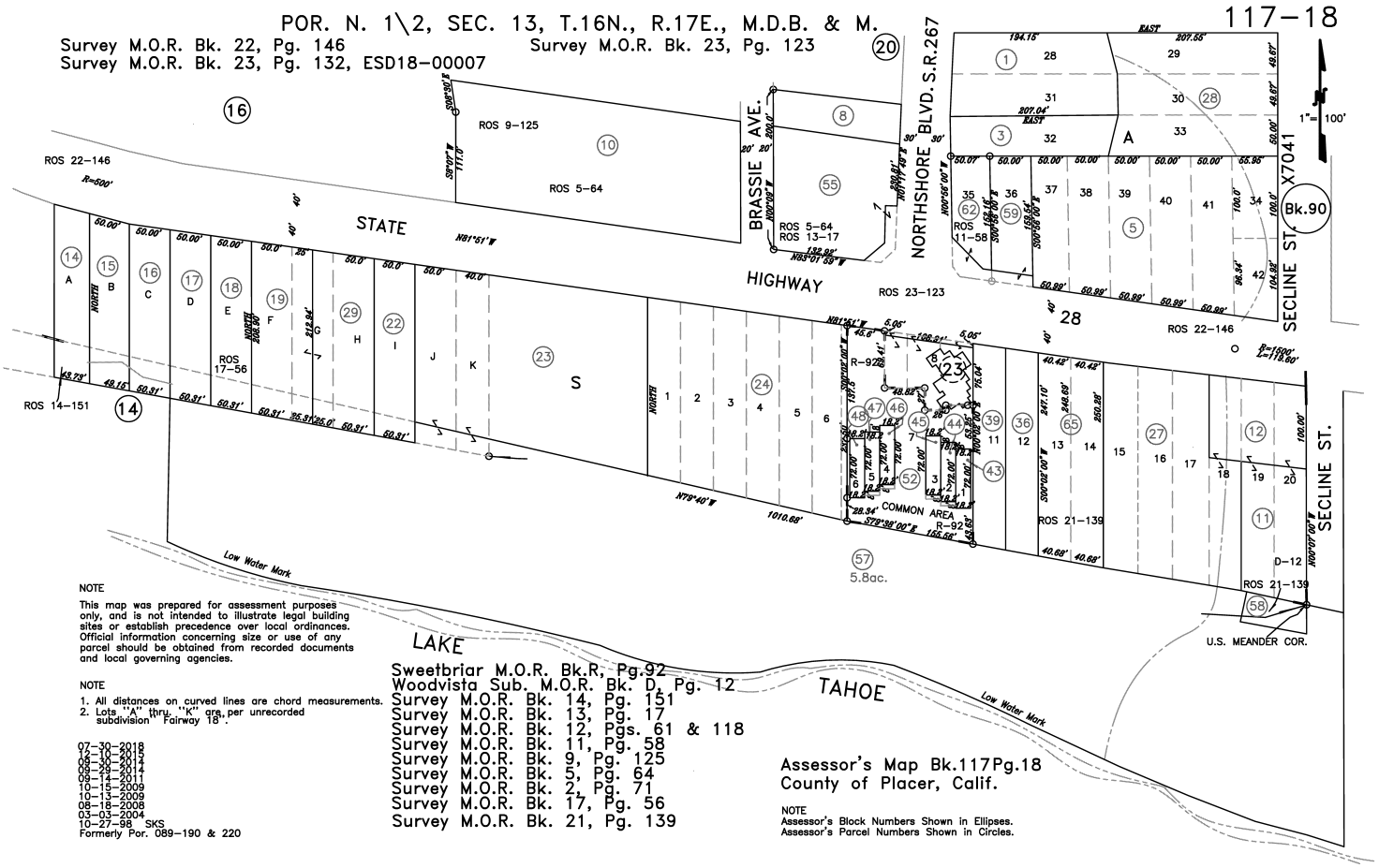
1. All distances on curved lines are chord measurements.
2. Lots "A" thru "K" are per unrecorded subdivision "Fairway 18".

07-30-2018
12-10-2015
09-29-2014
09-14-2011
10-15-2009
10-13-2009
08-18-2008
05-03-2004
10-27-98 SKS
Formerly Por. 089-190 & 220

Sweetbriar M.O.R. Bk.R, Pg.92
Woodvista Sub. M.O.R. Bk. D, Pg. 12
Survey M.O.R. Bk. 14, Pg. 151
Survey M.O.R. Bk. 13, Pg. 17
Survey M.O.R. Bk. 12, Pgs. 61 & 118
Survey M.O.R. Bk. 11, Pg. 58
Survey M.O.R. Bk. 9, Pg. 125
Survey M.O.R. Bk. 5, Pg. 64
Survey M.O.R. Bk. 2, Pg. 71
Survey M.O.R. Bk. 17, Pg. 56
Survey M.O.R. Bk. 21, Pg. 139

Assessor's Map Bk.117Pg.18
County of Placer, Calif.

NOTE
Assessor's Block Numbers Shown in Ellipses.
Assessor's Parcel Numbers Shown in Circles.



NOTE

This map was prepared for assessment purposes only, and is not intended to illustrate legal building sites or establish precedence over local ordinances. Official information concerning size or use of any parcel should be obtained from recorded documents and local governing agencies.

NOTE

1. All distances on curved lines are chord measurements.
2. Lots "A" thru "K" are per unrecorded subdivision "Fairway 18".

07-30-2018
12-10-2015
09-29-2014
09-14-2011
10-15-2009
10-13-2009
08-18-2008
05-03-2004
10-27-98 SKS
Formerly Por. 089-190 & 220

Sweetbriar M.O.R. Bk.R, Pg.92
Woodvista Sub. M.O.R. Bk. D, Pg. 12
Survey M.O.R. Bk. 14, Pg. 151
Survey M.O.R. Bk. 13, Pg. 17
Survey M.O.R. Bk. 12, Pgs. 61 & 118
Survey M.O.R. Bk. 11, Pg. 58
Survey M.O.R. Bk. 9, Pg. 125
Survey M.O.R. Bk. 5, Pg. 64
Survey M.O.R. Bk. 2, Pg. 71
Survey M.O.R. Bk. 17, Pg. 56
Survey M.O.R. Bk. 21, Pg. 139

Assessor's Map Bk.117Pg.18
County of Placer, Calif.

NOTE
Assessor's Block Numbers Shown in Ellipses.
Assessor's Parcel Numbers Shown in Circles.

APPENDIX F

BUILDING PERMIT REPORT

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143

Inquiry Number: 5585045.8
March 08, 2019

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Building Permit Report: Search Documentation

3/08/19

Site Name:
Western Approach
8001 North Lake
Kings Beach, CA 96143

EDR Inquiry # 5585045.8

Client Name:
Nichols Consulting Eng.,Chtd.
8795 Folsom Boulevard
Sacramento, CA 95826

Contact: Anna Henke

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 3/08/19, EDR does not have access to building permits in the city where your target property is located (Kings Beach, CA).

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED ORIMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THEMAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALLRISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OFERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL,INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLYLIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risklevels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providingany facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by anenvironmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to beconstrued as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILDFAX® PROPERTY HISTORY

APPENDIX G

ENVIRONMENTAL LIEN AND AUL SEARCH

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143

Inquiry Number: 5585045.7
March 12, 2019

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

8001 North Lake Blvd
Western Approach
Kings Beach, CA 96143

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Placer Recorder
Placer, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Richard W & Meredith L Graham Trustees
Title received from:	Meredity L Graham
Deed Dated	9/13/2018
Deed Recorded:	11/8/2018
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Richard W & Meredith L Graham Trustees
Parcel # / Property Identifier:	117-180-062-000
Comments:	See Exhibit

Deed 2:

Type of Deed:	deed
Title is vested in:	L & H & Boys LLC
Title received from:	Sherman L & Helen N Lewis Trustees
Deed Dated	9/20/2004
Deed Recorded:	9/27/2004
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	L & H & Boys LLC
Parcel # / Property Identifier:	117-180-055-000
Comments:	See Exhibit

Deed Exhibit 1

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO:

Name [Mr. and Mrs. Richard W. Graham
Street 5266 Nestle Avenue
City Tarzana, CA 91356
[

PLACER, County Recorder
RYAN RONCO
DOC- 2018-0081377-00
1788
THURSDAY, NOV 8, 2018 14:37:21

MIC	$3.00	AUT	$3.00	SBS	$2.00
ERD	$1.00	SB2	$75.00	REC	$11.00
ADD	$0.00				

Ttl Pd $95.00 **Rcpt # 02733999**
CLK98D3382/GM/1-3

This space for Recorder's Use

GRANT DEED

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL THIS DEED, AND, UNLESS OTHERWISE SHOWN BELOW, MAIL TAX STATEMENTS TO:

Name [Mr. and Mrs. Richard W. Graham
Street 5166 Nestle Avenue
City [Tarzana, CA 91356
A.P.N. 117-080-007

This space for Recorder's Use

GRANT DEED

The undersigned grantor(s) declare(s)
documentary transfer tax is $-0- City tax $___0_____
( ) computed on full value of property conveyed, or
( ) computed on full value less value of liens or encumbrances remaining at time of sale,
( ) Unincorporated area:

No consideration has been paid for this transfer. This conveyance transfers an interest into or out of a living trust. R & T 11930.

Meredith L. Graham, hereby grants to Richard W. Graham and Meredith L. Graham, as Co-Trustees of the Richard W. Graham and Meredith L. Graham Revocable Trust dated September 13, 2018, all of her rights, title, and interest as to her 50% undivided interest in the real property in the County of Placer, State of California described as:

LOT NUMBER THIRTY FIVE (35), IN BLOCK "A", WOOD VISTA, AS PER THE OFFICIAL MAP OF WOOD VISTA SUBDIVISION, IN SECTIONS 12 AND 13, TOWNSHIP 16 NORTH, RANGE 17 EAST, M.D.B.& M., STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF PLACER COUNTY, STATE OF CALIFORNIA, MARCH 3, 1926, IN THE BOOK D OF MAPS, PAGES 12A, 12B, 12C, AND 12D.

APN: 117-080-007

Dated: Sept 13, 2018

Meredith L. Graham

ACKNOWLEDGMENT ON FOLLOWING PAGE

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Los Angeles)

On September 13, 2018 before me, Sharla Augustus, Notary Public
(insert name and title of the officer)

personally appeared Meredith L. Graham,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

SHARLA AUGUSTUS
COMM. #2169100
Notary Public - California
Los Angeles County
My Comm. Expires Nov. 19, 2020

Signature _____ **(Seal)**

Deed Exhibit 2

PLACER, County Recorder
JIM MCCAULEY
DOC- 2004-0127365

Check Number 76470dh
Monday, SEP 27, 2004 10:50:38
MIC $3.00 | AUT $6.00 | SBS $5.00
REC $8.00 |
Ttl Pd $22.00 Nbr-0001155900
odh/DH/1-6

Recording requested by:
Walther, Key, et al.

When Recorded Mail to:
L&H & Boys, LLC
400 Brassie Avenue
Kings Beach, California 96143

DOCUMENTARY TRANSFER TAX: $0
EXEMPTION (R&T CODE): R&T 11925(d)
EXPLANATION:

Transfer without consideration solely to change the method of holding title to the realty and in which proportional ownership interests in the realty remain the same immediately after the transfer

Signature of Declarant or Agent determining tax

GRANT DEED

Sherman L. Lewis and & Helen N. Lewis, as Co-Trustees under The Sherman L. & Helen N. Lewis Family Trust dated December 9, 2003 ("Grantor"), hereby grant, bargain, and sell to L&H & Boys, LLC, a Nevada limited liability company ("Grantee"), all of Grantee's right, title and interest in the real property commonly known as the Woodvista Golf Course located in Placer County, California, and more specifically described on Exhibit A attached hereto as follows:

APN: 112-190-041; 117-180-009; 117-200-047; 117-190-038; 117-160-019; 117-170-014; 117-170-012; 112-190-043; 117-160-009; 117-180-008; 117-200-046; 112-190-048; 112-010-010; 117-160-007

Together with all tenements, hereditaments, and appurtenances, including easements and water rights, if any, thereto belonging or appertaining, and any reversions, remainders, rents, issues, or profits thereof.

This conveyance is subject to the following liens and encumbrances:

1. General, special, and any supplemental county taxes and assessments not delinquent.

///

2. Covenants, conditions, restrictions, reservations, easements, and rights-of-way of record, if any.

Dated this 20 day of September, 2004.

The Sherman L. & Helen N. Lewis
Family Trust dated December 9, 2003

By _____
Sherman L. Lewis, Co-Trustee

By _____
Helen N. Lewis, Co-Trustee

STATE OF CALIFORNIA)
) ss.
COUNTY OF PLACER)

On this 20th day of SEPTEMBER, 2004, before me, RUSEL HECKERT, a Notary Public, personally appeared Sherman L. Lewis and Helen N. Lewis, Co-Trustees under The Sherman L. & Helen N. Lewis Family Trust dated December 9, 2003, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose names are subscribed to the foregoing Grant Deed, who acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the deed they executed it.

RUSEL HECKERT
COMM. # 1419604
NOTARY PUBLIC-CALIFORNIA
PLACER COUNTY
COMM. EXP. JUNE 20, 2007

_____
Notary Public

(The above legal description was contained in the Grant Deed dated July 15, 2001, recorded as document no. 2001-0074004 in the official records of the Placer County Recorder on July 24, 2001).

LEGAL DESCRIPTION
MBR NO. 10614

A portion of Sections 12 and 13, Township 16 North, Range 17 East, M.D.M., County of Placer, State of California being:

A portion of Woodvista Subdivision filed in Book D of Maps, Page 12 in the Office of the Recorder of said County of Placer, more particularly described as follows;

A portion of those lands conveyed to S. Lane and Helen Lewis described in grant deed document No. 93-005689, Placer County Official Records, Placer County Official Records, more particularly described as follows:

The Basis of Bearing for this description is identical to that certain Record of Survey Map filed in Book 9 of Surveys, at Page 125, Placer County Official Records. For the purpose of this description, the courses stated in said Document No 93-005689 have been rotated by 1°05'53"clockwise to match said Record of Survey and Basis of Bearing.

BEGINNING at a point on the westerly line of Block "W" of Woodvista Subdivision as filed per "D" of Maps at Page 12 of Placer County Official Records from which point the southwest corner of Lot 15 of said Block "W" bears North 9°17'00" West 300.12 feet, more or less, said point of beginning also being a point on the southeasterly prolongation of the southerly line of Lot 1, Block "P", of said Subdivision; thence, from the Point of Beginning along said West line of said Block W and Block "XY" of said Woodvista Subdivision South 9°17'00" East 716.56 feet per said Record of Survey Map (recited as South 9°17'00" East 680.95 feet per said Deed Volume 2687 of Official Records, Page 111) to the Southwest corner of Lot 15, Block "XY", Woodvista Subdivision; thence along the Southeasterly line of said Lot 15, Block "XY", North 80°43'00" East 108.86 feet as shown on said record of Survey map (recited as North 80°43'00" East 108.76 feet per said Deed Volume 2687 of Official Records, Page 111) to the Southeast corner of said Lot 15, Block "XY", said point lying on the West right-of-way line of Brassie Avenue, as said Avenue is shown on said Woodvista Subdivision Map and said Record of Survey map; thence along said right-of-way South 0°09'00" East 141.97 feet (recited as South 0°09'00" East 143.52 feet per said Deed

Volume 2687 of Official Records, Page 111) to a point of intersection with the Easterly prolongation of the North line of lands conveyed to Safeway Stores, Inc., by Corporation Deed recorded March 19, 1979, in Volume 2090 of Official Records at page 542, Placer County Official Records; thence along said prolongation of said North line, North 83°19'30" West 300.84 feet; thence leaving said prolongation of said north line North 5°45'21" West 216.00 feet; thence South 84°14'39" West 305.34 feet to a point on the west line of said lands conveyed to Safeway Stores Inc. from which point the Southwest corner of said lands of Safeway Stores, Inc., recorded in volume 2687 page 111, Placer County Official Records bears the following (4) courses:

1) North 0°02'00" East 114.24 feet;

2) North 8°48'00" West 159.98 feet;

3) North 2°23'00" West 127.96 feet;

4) North 3°26'00" West 45.00 feet;

thence along said West line North 03°26'00" West 559.84 feet; thence West 207.67 feet as shown on said Record of Survey map Book 9 at Page 125 (recited as West 220.00 feet per said deed Volume 2687 of Official Records, Page 111) to the Easterly right-of- way line of Beach Avenue, as said Avenue is shown on said Woodvista Subdivision Map and said Record of Survey Map; thence along said right of way line North 28°38'51" East 60.52 feet as shown on said Record of Survey Map (recited as North 25°00'00" East 45.00 feet per said Deed Volume 2687 of Official Records, Page 111); thence continuing along said right-of-way North 25°21'09" West 160.00 feet as shown on said Record of Survey Map (recited as North 27°00'00" West per said Deed Volume 2687 of Official Records, Page 111) to the intersection with Aspen Street, as said street is shown on said Woodvista Subdivision Map and said Record of Survey map; thence along said right-of-way North 25°38'51" East 165.00 feet (recited as North 25°41'00" East in said Deed Volume 2687 of Official Records, Page 111) to the Southwest corner of Lot 1, Block "P" of said Subdivision; thence along the southerly line of said Lot 1 South 64°21'09" East 120.00 feet as shown on said Record of Survey map (recited as South 64°19'00" East 120 feet in said Deed Volume 2687 of

Official Records, Page 111) to the Southeast corner of said Lot 1; thence South 64°21'09" East 247.96 feet to a point on the southerly line of those lands conveyed to S. Lane Lewis, recorded as Document No. 93-005689 Placer County Official Records; thence North 09°17'00" West 160.00 feet (recited as North 10°22'53" West 160.00 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence South 80°43'00" West 200.00 feet (recited as South 79°37'07" West 200.00 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 09°17'00" West 140.00 feet (recited as North 10°22'53" West 140.00 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 80°43'00" East 200.00 feet (recited as North 79°37'07" East 200.00 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 09°17'00" West 719.17 feet (recited as North 10°22'53" West 719.17 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence South 75°03'53" West 51.66 feet (recited as South 73°58'00" West 51.66 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence South 39°22'13" West 239.94 feet (recited as South 38°16'20" West 239.94 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence South 47°24'27" West 742.66 feet (recited as South 46°18'34" West 742.66 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence South 65°05'20" West 561.14 feet (recited as South 63°59'27" West 561.14 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 64°31'42" West 253.73 feet (recited as North 65°37'35" West 253.73 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 62°35'14" West 441.19 feet (recited as North 63°41'07" West 441.19 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 29°53'54" East 154.55 feet (recited as North 28°48'01" East 154.55 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 47°30'35" East 657.13 feet (recited as North 46°24'42" East 658.32 feet, more or less, in Deed recorded as Document No.93-005689 Placer County Official Records) to a point on the southerly line of Block "O" of said Woodvista Subdivision; thence running along the southerly line of Blocks "O", "K", "H", and "F" of Woodvista Subdivision the following (2) courses: North 69°05'49" East 1258.98 feet (recited as North 67°59'56" East 1258.30 feet in Deed recorded as Document No.93-005689 Placer

County Official Records); thence North 89°55'13" East 956.69 feet (recited as North 88°49'20" East 956.69 feet in Deed recorded as Document No.93-005689 Placer County Official Records) to a point on the Westerly right of way line of Birch Avenue; thence along said westerly right of way South 00°04'47" East 226.90 feet (recited as South 01°10'40" East 226.90 feet in Deed recorded as Document No.93-005689 Placer County Official Records) more or less to a point on the Easterly line of Lot 12, Block "Y" of said Woodvista Subdivision; thence along the said easterly line North 18°51'03" West 84.51 feet (recited as North 19°56'56" West 84.51 feet in Deed recorded as Document No.93-005689 Placer County Official Records) to the northeast corner of said Lot 12; thence along the northerly line of said Block "Y" South 71°09'01" West 574.64 feet (recited as South 70°03'08" West 574.64 feet in Deed recorded as Document No.93-005689 Placer County Official Records) to the northwest corner of Lot 1, Block "Y" of said Woodvista Subdivision; thence along the west line of said Lot 1 South 09°17'00" East 56.62 feet (recited as South 10°22'53" East 56.62 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence South 37°25'36" West 43.68 feet (recited as South 36°19'43" West 43.68 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence South 10°30'11" East 67.00 feet (recited as South 11°36'04" East 67.00 feet in Deed recorded as Document No.93-005689 Placer County Official Records); thence North 78°01'58" East 30.40 feet (recited as North 76°56'05" East 30.40 feet in Deed recorded as Document No.93-005689 Placer County Official Records) to the southwest corner of said Lot 1; thence South 09°17'00" East 1073.69 feet (recited as South 10°22'53" East 1073.69 feet in Deed recorded as Document No.93-005689 Placer County Official Records)more or less to the Point of Beginning, said parcel resultant Parcel containing 51.36 Acres, more or less.

END OF DESCRIPTION

APPROVED
PLACER COUNTY SURVEYOR
BY: [signature]
DATE: MAR 23, 1999

LICENSED LAND SURVEYOR
KENNETH R. ARNETT
No. 5851
Exp 12/31/00
STATE OF CALIFORNIA

APPENDIX H

CITY DIRECTORIES

Western Approach
8001 North Lake Blvd
Kings Beach, CA 96143

Inquiry Number: 5585045.5
March 11, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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

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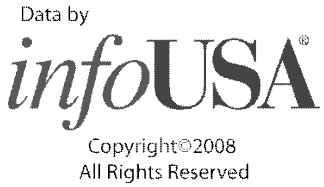

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	EDR Digital Archive
1982	☑	☐	EDR Digital Archive
1977	☑	☐	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

8001 North Lake Blvd
Kings Beach, CA 96143

Year	*CD Image*	*Source*
N LAKE BLVD		
2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1992	pg A6	EDR Digital Archive
1987	pg A7	EDR Digital Archive
1982	pg A8	EDR Digital Archive
1977	pg A9	EDR Digital Archive

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 2014

7708	COOPER, ALEXANDRA R
7720	COOPER, GEORGE
7736	BITTNER, L
7739	LANZAS
7750	LOEBL, FRED
7762	GHILOTTI, MIKE
7780	KINNEY, GEORGE L
7815	SAFEWAY INC
	STOCKON, NOREEN
7830	LINDBLOM, ROBERT
8010	REIDT, THOMAS
8020	DOMINGUEZ, PAUL G
8079	ENTNER, JOHN
	JOHNSON LAND SURVEYS INC
	KAREN KCHARSKI DMD A PROF CORP
8092	MARIN, E
8096	MOONEY FRANK F CPA
8106	KB GAMES
	NORTH LAKE TAHOE REALTY
8111	FERRARI, DAVID J
8130	NATURMED NATURAL FMLY MEDICINE
	POLIVY, REBECCA
8159	AGUILAR, RUPERTO
	HIRO SUSHI

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 2010

7708	COOPER, ALEXANDRA R
7717	CALIFORNIA ST AUTO ASSOC INTER
	CROOKSTON, KIRK R
7720	COOPER, GEORGE
7736	BITTNER, ROBERT J
7739	LANZAS
7750	LOEBL, FRED
7762	SHANE, ROGER
7815	SAFEWAY INC
7830	LINDBLOM, ROBERT
7840	ANDERSON, VIKI
8000	GALLAGHER, KATY
8001	CLEVENGER BOB
8010	REIDT, THOMAS
8070	SINGH SARABJIT
	ULTRAMAR INC
8079	ENTNER, JOHN
	JOHNSON LAND SURVEYS INC
	TAHOE CONSERVATORY OF MUSIC
8092	RUELAS, ARACELY
8096	MOONEY FRANK F CPA
	MOONEY, FRANK
8106	ACTIVE REPAIR SERVICE LLC
	KB GAMES
	NORTH LAKE TAHOE REALTY
	TRILOGY ARTS BOARD CO LLC
8111	RAMIREZ, LUCERO
8130	POLIVY, REBECCA
8159	DIANA, CRISTALES
	HIRO SUSHI
8160	LAPETITE STYLING SALON
8194	GOLD CREST RESORT MOTEL INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 2005

7708	WILSON, J
7717	CALIF ST AUTO ASSN INTR-INSUNC
7720	COOPER, GEORGE
7736	BITTNER, ROBERT J
7739	LANZAS
7750	LOEBL, FRED
7815	SAFEWAY INC
	STARBUCKS CORPORATION
7830	LINDBLOM, ROBERT
8000	SWEETBRIAR INC
8030	BERVID JOHN
	BERVID, JOHN
8070	ULTRAMAR INC
8079	ALTA CHIROPRACTIC
8096	FRANK F MOONEY CPA
8106	ACTIVE REPAIR SERVICE LLC
	NORTH LAKE TAHOE REALTY
8111	LA COMUNIDAD UNIDA
8130	FIRNSPIEGEL LLC
	MILLS TOM REAL ESTATE BROKER
	POLIVY, REBECCA
8159	HIRO SUSHI
8160	LAPETITE STYLING SALON
8194	GOLD CREST RESORT MOTEL INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 2000

7717	CALIF ST AUTO ASSN INTR-INSUNC
7739	LANZAS
7860	NORTH TAHOE BEACH CENTER
7900	WOODVISTA GOLF COURSE
8000	SWEETBRIAR INC
8001	CLEVENGER BOB
8030	BERVID JOHN
8070	ULTRAMAR INC
8079	ALTA CHIROPRACTIC
	DDS
8106	ACTIVE REPAIR SERVICE LLC
8111	LA COMUNIDAD UNIDA
	PROJECT MANA
8130	FIRNSPIEGEL LLC
8194	GOLD CREST RESORT MOTEL INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 1995

7717	CALIF ST AUTO ASSN INTR-INSUNC
7739	LANZAS
7800	SAFEWAY INC
7860	SEGAL PHIL
7900	WOODVISTA GOLF COURSE
8001	BOB STONE INC
8070	ULTRAMAR INC
8106	HOTALING DONALD
8160	BOHN HOUSE
8194	GOLDCREST RESORT MOTEL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 1992

7717	CALIF ST AUTO ASSN INTR-INSUNC
7720	COOPER, GEORGE
7736	BITTNER, ROBERT J
7739	LANZAS
7750	BISKIND, GERSON R
7762	SHANE, MAY
	SIMON, SANDRA
7770	BONDUPSON, LELAND
7780	SIMON, GEORGE
7800	SAFEWAY INC
7810	LINDBLOM, ROBERT
7840	ANDERSON, C E
7900	OLD BROCKWAY GOLF CLUB
	STEW CALDER GOLF CLUB REP
8000	MIZE JANET & ASSOCIATES INC
8040	DOMINGUEZ, PAUL
8079	FAUL, JAMES E
8111	CRYSTAL, N
	HARRISON, STEVE
	KEATING, ANNE M
	LITTLE BEAR COTTAGES
8123	CAESAR, MIKE
8130	HUNSICKER, JOHN
8141	DICKENS, LAURA
8159	PENNYS KITCHEN
8160	BOHN HOUSE
8194	GOLDCREST RESORT MOTEL
	RE KINYON & CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 1987

7680	EDGE LAKE BEACH CLUB
7739	LANZAS
7790	SOLL ARMIN H PLUMBING
7900	LEWIS LESLIE AND LANE
8000	JESTER RESORT
	MIZE JANET & ASSOCIATES INC
	SCENIC PROPERTIES
8001	NORTH SHORE TIRE & BRAKE
8111	LITTLE BEAR COTTAGES
8130	PLEVEL MICHAEL REALTY
8159	PINE CONE COFFEE SHOP & MOTEL
8160	LE PETIT PIER INC
8194	GOLDCREST RESORT MOTEL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 1982

7680	EDGE LAKE BEACH CLUB
7739	LANZAS
	RIOLO INN
7790	SOLL ARMIN H PLUMBING
7860	INNISFREE COMPANIES INC THE
7900	WOODVISTA GOLF COURSE
8000	JESTER RESORT
8001	KENS TIRE CENTER INC
8070	LITTLE JOE NITTIS TIRE TOWN
8092	TRIPLE G MOTEL
	TRIPLE M MOTEL
8111	LITTLE BEAR COTTAGES
8130	PLEVEL MICHAEL REALTY
8141	CARAVELLE MOTEL
8159	PINE CONE COFFEE SHOP & MOTEL
8160	LE PETIT PIER INC
	WE THE PEOPLE INC
8194	GOLDCREST RESORT MOTEL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

N LAKE BLVD 1977

7680	INNISFREE COMPANIES INC THE
7739	LANZAS
	RIOLO INN
8000	JESTER RESORT
8001	KENS TIRE CENTER INC
8130	PLEVEL MICHAEL REALTY
8159	PINE CONE COFFEE SHOP & MOTEL
8194	GOLDCREST RESORT MOTEL

APPENDIX I

EXISTING REPORTS

GEOTECHNICAL DESIGN REPORT

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA
04-Pla-28 PM 9.2/10.3, EA 03-OC9301

For

DOKKEN ENGINEERING
2365 Iron Point Road, Suite 200
Folsom, CA 95630

PARIKH CONSULTANTS, INC.

2360 Qume Drive, Suite A, San Jose, CA 95131
(408) 452-9000

April 2012

Job No. 2010-143-GDR

DOKKEN ENGINEERING
2365 Iron Point Road, Suite 200
Folsom, CA 95630

Job No.: 2010-143-405
April 30, 2012

Attn: Mr. Brian Stephenson

Sub: GEOTECHNICAL DESIGN REPORT
Kings Beach Commercial Core Improvement Project, Placer County, California
04-Pla-28, PM 9.2/10.3 EA 03-OC9301

Dear Mr. Brian Stephenson:

Transmitted herewith is the Geotechnical Design Report for the subject project. The report was prepared in accordance with the scope of work outlined in our proposal. The report has incorporated Caltrans review comments.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning our findings or conclusions, please feel free to contact this office.

Very truly yours,
PARIKH CONSULTANTS, INC.

Gary Parikh, P.E., G.E., 666
Project Manager

Attachment: Geotechnical Design Report

"Approved as to impact on State facilities and conformance with applicable State standards and practices, and the technical oversight were performed as described in the California Department of Transportation A&E Consultant Services Manual."

Caltrans_____

Title_____

Date_____

Caltrans_____

Title_____

Date_____

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GEOTECHNICAL DESIGN REPORT
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA
04-Pla-28, PM 9.2/10.3, EA OC9301

1. INTRODUCTION

This report presents the results of our geotechnical engineering investigation for the proposed "Kings Beach Commercial Core Improvement Project", hereinafter referred to as "PROJECT" in Placer County, California. The work was performed in general accordance with the scope of work outlined in our proposal to Dokken Engineering (Designer). The general location of the project site is shown on the Project Location Map, Plate 1.

This report addresses design of roadway portion of the project including stormwater system, earth retaining walls, identification and investigation of pavement distress and design of structural pavement sections. The investigation included review of readily available soils and geologic literature pertaining to the site including site reconnaissance, field exploration, laboratory testing of the representative soil samples, performing engineering analyses, and preparation of this report.

The purpose of this report is to investigate subsurface geotechnical conditions, provide analyses of anticipated site conditions as they pertain to the project described herein, and to provide design recommendation for the roadway portions of the project.

This report also establishes a geotechnical baseline to be used in assessing the existence and scope of changed site conditions, if any. The report is intended for use by the project design engineer, construction personnel, bidders and contractors for information and reference purposes only and should not be construed as project specifications. In the event there is any conflict, the project plans and specifications should dictate.

2. EXISTING FACILITIES AND PROPOSED IMPROVEMENTS

The project site is located in the community of Kings Beach. Kings Beach is located along the north shore of Lake Tahoe in Placer County, California. Kings Beach contains both residential high vehicular and pedestrian traffic all year round.

Existing Facilities

The project runs along State Route 28 (SR-28) beginning at the intersection of SR-28 and State Route 267 (SR-267) in the west and moving east to the intersection of SR-28 and Chipmunk Street. The existing SR-28 within the project limits is a four-lane facility without any pedestrian or bicycle facilities. Intersections with traffic signal only exist at SR-267 and Coon Street. There is no existing cut and/or fill slope within the project limits.

Areas with pavement distress were identified along SR-28 and associated connector streets within the project limits.

Proposed Improvements

The Placer County is planning to improve pedestrian and bicycle circulation and safety on SR-28 within Kings Beach. The project will generally include the following:

a) Modify SR-28 from a four-lane roadway to a three-lane roadway, which will have a 12-foot lane for eastbound (EB) and westbound (WB) traffic, and a two-way left turn lane that extends the limits of the project.
b) Separate left turn lanes at the SR-267 (except in the WB direction) and Deer Street intersections.
c) A single 5-foot bike lane would be created in each direction.
d) Two roundabouts at intersections of SR-28/Bear Street and SR-28/Coon Street.
e) Collection and treatment of the highway's stormwater in addition to the installation of storm water pipes under SR-28 which will convey the clean, treated water from the treatment facilities upstream across the highway and into one of the five existing outfall locations to Lake Tahoe.

f) On-street parking will be provided on portions of Trout Avenue, Brook Avenue, Salmon Avenue, Secline Street, Deer Street, Bear Street, Coon Street and Fox Street.

According to the designer, there is no major cut and fill planned for this project. Minor cut and fill will be required for the pavement construction.

Our recommendations presented in this report are based on the above information. Any major deviation should be reported to PARIKH for consideration.

3. PERTINENT REPORTS AND INVESTIGATION

The geologic maps were referred in the evaluation of the geotechnical conditions for this project with reference to the "Geologic map of the Lake Tahoe basin, California and Nevada, California Geological Survey, Regional Geologic Map No. 4 by G.J. Saucedo, 2005".

4. PHYSICAL SETTING

4.1 Climate

The project site is located in the northeast part of Placer County, California. The climate of the project site ranges from a warm, Mediterranean climate in the summer and falls to cooler winter temperature. Based on the data from "Western Regional Climate Center" (Ref. 3), the temperature ranges in the project vicinity are from 42° F to 75° F in summer and from 20° F to 41° F in winter. The average annual precipitation is approximately 34.5 inches. About 90% of the total annual precipitation falls in October through April.

4.2 Topography and Drainage

The topography of the project site is generally flat along SR-28 and connector streets within the project limits. The ground elevation rises towards the east and north starting from Chipmunk Street.

Kings Beach includes portions of the shore zone of Lake Tahoe and Griff Creek. Drainage features were installed when SR-28 was constructed. The existing facilities of SR-28 are inadequate to handle the increased flow resulting from the watershed, which has experienced urbanization in the form of impervious material, which collects and concentrates stormwater runoff.

Many flooding occurred at several locations along SR-28 as the result of localized, short-duration, yet very high density weather storms. These intense storms had resulted in the clogging of the drainage systems due to the transportation of floating debris and solid precipitation.

Gutters, drainage ditches, storm drains facilities and re-vegetation at specific locations are planned to improve the drainage at the project site.

4.3 Man-Made and Natural Features of Engineering and Construction Significance

The project site is located on the north side of Lake Tahoe. There are no man-made and natural features of engineering and construction significance within the project limits.

4.4 Regional Geology and Seismicity

Kings Beach is located at the eastern region of the northern half of the Sierra Nevada Mountain Range which is composed of plutonic rocks of Mesozoic age. These rocks constitute the Sierra Nevada batholith. The batholith in the northern half of the range is flanked on the west by the western metamorphic belt, a terrain of strongly deformed, but weakly metamorphosed sedimentary and volcanic rocks of Paleozoic and Mesozoic age.

Lake Tahoe Basin is located in a seismically active region of the United States. Earthquakes have occurred in the vicinity of Kings Beach in the past and are expected to occur again in the future. Significant earthquakes, which have occurred in this area, are generally associated with crustal movements along well-defined active fault zones. Faults in the vicinity of the site with a moderate to high potential for surface rupture are

the North Tahoe – Incline Village Fault Zone (active fault), West Tahoe-Dollar Point Fault Zone (early Quaternary fault) and Agate Bay Fault and its associated fault complex (pre-Quaternary fault). The North Tahoe Fault is closest to Kings Beach, within a mile from Kings Beach.

5. EXPLORATION

5.1 Drilling and Sampling

Based on the preliminary plans and discussions with the designer, the following field explorations were performed in November 2010.

TABLE 1: SUMMARY OF FIELD EXPLORATION

Boring No./Pavement Core No.	Depth (ft)	Total No.	Purpose[(1)]
C1-C39	N/A	39	Pavement Thickness
A-11-101, A-11-107, A-10-102 – A-10-117[(2)]	15	16	Storm Water
A-10-118 – A-10-123[(2)]	15	6	Retaining Wall
A-10-124-A-10-125	15	2	Pavement design
A-10-126, A-10-130, A-10-132[(2)]	5	3	Pavement design
A-11-127-A-11-129, A-11-134-A-11-138	15	9	Storm Water
A-11-140	15	1	Detention Basin
A-11-139, A-11-141-A-11-142	15	3	Storm Water

Note
(1) The thickness of existing pavement section was measured for all the pavement cores and borings
(2) Borings A-10-110 and A-10-131 were deleted.

The borings were advanced with a truck-mounted drill rig using 8-inch diameter hollow stem auger and 5-inch diameter rotary wash drilling method. The borings were drilled under the technical supervision of our engineer, who classified and logged the soils encountered during drilling and supervised the collection of soil samples at various depths for visual examination and laboratory testing. The soil samples were obtained during drilling by driving a 2.5-inch Inside Diameter (I.D.) Modified California sampler or a 1.375-inch I.D. Standard Penetration Test sampler into the subsurface soils under

the impact of a 140-pound hammer having a free fall of 30 inches. The blow counts required to drive the sampler for the last 12 inches are presented on the Log of Test Borings (LOTB), Appendix A. After visual examination, the collected samples were sealed and transported to our laboratory for further evaluation and testing.

The descriptions of the soil materials encountered in the exploratory borings and relevant boring information are presented on the LOTB attached in Appendix A. The laboratory test methods and results are presented in Appendix B. The logs presented in the LOTB were prepared from the field logs. The field logs were edited after visual re-examination of the soil samples in the laboratory and results of classification tests on selected soil samples as indicated on the LOTB. The boring locations, stations, and relevant information are summarized in Tables 2A and 2B.

The thickness of the existing pavement structural sections for all the pavement cores and borings was measured. Approximate locations of these pavement cores and borings are shown on the Site Plans (Plates 2A through 2E).

Majority of the cobbles and boulders in the soil matrix were broken up during the drilling process. This resulted in low recovery of the core. The percentages of the cobbles (as required in Section 2.5.17 of Caltrans Soil and Rock Logging, Classification, and Presentation Manual, 2010 Edition) could not be measured due to the low core recovery.

TABLE 2A: SUMMARY OF PAVEMENT CORES

Pavement Core No.	Station (ft)/Street Location[(2)]	Offset (ft)	Approx. Ground Elev. (ft)	Soil Description of Basement Soil
C1	"S" Line 09+65	46 Lt.	6240.0±	SILTY SAND; grayish brown; some granite.
C2	"S" Line 23+77	29 Rt.	6240.0±	SILTY SAND; brown.
C3	"S" Line 31+00	48 Rt.	6239.0±	SILTY SAND; grayish brown; some gravel.
C4	"S" Line 27+15	0 Cl.	6240.0±	SILTY SAND; grayish brown; some gravel.
C5	"S" Line 29+59	13 Rt.	6241.0±	SILTY SAND; dark grayish brown; some gravel.
C6	"S" Line 31+25	21 Lt.	6241.5±	SILTY SAND; grayish brown; some gravel.
C7	"S" Line 33+00	13 Rt.	6242.0±	SILTY SAND; grayish brown; some gravel.
C8	Deer Street	N/A	N/A	SILTY SAND; brown; some gravel.
C9	"S" Line 35+00	0 Cl.	6241.0±	SILTY SAND; dark grayish brown; some gravel.
C10	"S" Line 37+00	20 Lt.	6242.0±	SILTY SAND; grayish brown; some gravel.
C11	Trout Avenue	N/A	N/A	SILTY SAND; brown; some gravel.
C12	"S" Line 38+70	19 Rt.	6240.5±	SILTY SAND with GRAVEL; brown.
C13	"S" Line 40+37	11 Lt.	6241.0±	SILTY SAND with GRAVEL; grayish brown.
C14	Bear Street	N/A	N/A	SILTY SAND; brown.
C15	"S" Line 42+00	0 Cl.	6241.0±	SILTY SAND with GRAVEL; grayish brown.
C16	"S" Line 44+00	35 Lt.	6240.0±	SILTY SAND with GRAVEL; grayish brown.
C17	Brook Avenue	N/A	N/A	SANDY Lean CLAY with GRAVEL; dark grayish brown.
C18	"S" Line 45+58	8 Rt.	6239.5±	SILTY SAND; grayish orange brown.
C19	Brook Avenue	N/A	N/A	SANDY Lean CLAY; dark grayish brown.
C20	"S" Line 47+40	0 Cl.	6238.5±	SILTY SAND; grayish brown.
C21	Coon Street	N/A	N/A	SILTY SAND; brown,
C22	Coon Street	N/A	N/A	SILTY SAND with GRAVEL; brown.
C23	"S" Line 50+14	25 Lt.	6239.0±	SILTY SAND with GRAVEL; grayish brown.
C24	"S" Line 52+25	0 Rt.	6241.5±	SILTY SAND with GRAVEL; grayish brown.
C25	Salmon Avenue	N/A	N/A	SILTY SAND; brown.
C26	"S" Line 54+12	20 Lt.	6243.5±	SILTY SAND; brown, with gravel.

TABLE 2A: SUMMARY OF PAVEMENT CORES (CONTINUED)

Pavement Core No.	Station (ft)/Street Location[2]	Offset (ft)	Approx. Ground Elev. (ft)	Soil Description of Basement Soil
C27	"S" Line 55+85	5 Lt.	6243.5±	SILTY SAND with GRAVEL; grayish brown.
C28	Salmon Avenue	N/A	N/A	SILTY SAND with GRAVEL; brown.
C29	Fox Street	N/A	N/A	SILTY SAND with GRAVEL; brown.
C30	"S" Line 58+21	8 Rt.	6243.5±	SILTY SAND with GRAVEL; brown.
C31	"S" Line 60+20	31 Lt.	6246.5±	SILTY SAND with GRAVEL; grayish brown.
C32	"S" Line 62+00	6 Rt.	6247.5±	SILTY SAND; grayish brown.
C33	"S" Line 63+53	6 Lt.	6249.5±	SILTY SAND with GRAVEL; grayish brown.
C34	"S" Line 65+12	33 Lt.	6251.5±	SILTY SAND with GRAVEL; grayish brown.
C35	Chipmunk Street	N/A	N/A	SILTY SAND with GRAVEL; brown.
C36	"S" Line 66+90	17 Lt.	6253.0±	SILTY SAND with GRAVEL; grayish brown.
C37	Chipmunk Street	N/A	N/A	SILTY SAND with GRAVEL; brown.
C38	"S" Line 68+83	22 Lt.	6262.0±	SILTY SAND/CLAYEY SAND; brown.
C39	"S" Line 71+29	25 Lt.	6277.0±	SILTY SAND with GRAVEL; grayish brown.

TABLE 2B: SUMMARY OF BORING (STORMWATER/RETAINING WALL/PAVEMENT)

Structure	Boring No.	Station (ft)/Street Location[2]	Offset (ft)	Boring Depth (ft)	Approx. Ground Elev. (ft)	Approx. Groundwater Elev. (ft)
Stormwater	A-11-101	"S" Line 26+84±	218.0± Rt.	15	6232.0±	6227.0±
	A-10-102	"S" Line 26+64±	14.0± Rt.	15	6239.0±	-
	A-10-103	"S" Line 36+52±	24.0± Lt.	15	6242.0±	6228.0±
	A-10-104	"S" Line 41+53±	0.0± Rt.	15	6240.5±	6227.5±
	A-10-105	"S" Line 42+00±	77.0± Lt.±	15	6240.0±	-
	A-10-106	"S" Line 44+50±	9.0± Rt.	15	6240.0±	-
	A-11-107	"S" Line 34+00±	105.0± Rt.	15	6237.0±	6223.0±
	A-10-108	"S" Line 48+74±	0.0± Rt.	15	6238.0±	-
	A-10-109	"S" Line 50+00±	33.0± Rt.	15	6239.0±	6226.0±-
	A-10-111	"S" Line 53+70±	221.0± Lt.	15	6243.0±	-
	A-10-112	"S" Line 55+43±	286.0± Lt.	15	6247.0±	-

(1) Boring location stations and offset are stated to the nearest foot to be consistent with the LOTB, however they were not surveyed.

TABLE 2B: SUMMARY OF BORING (STORMWATER/RETAINING WALL/PAVEMENT)

Structure	Boring No.	Station (ft)/Street Location[(2)]	Offset (ft)	Boring Depth (ft)	Approx. Ground Elev. (ft)	Approx. Groundwater Elev. (ft)
Stormwater	A-10-113	"S" Line 58+40±	97.0± Lt.	15	6245.0±	6230.0±
	R-10-114	"S" Line 59+17±	16.0± Rt.	15	6244.0±	-
	A-10-115	"S" Line 64+75±	5.0± Rt.	15	6250.0±	-
	A-10-116	"S" Line 67+94±	78.0± Lt.	15	6250.0±	-
	A-10-117	"S" Line 69+00±	21.0± Rt.	15	6259.0±	-
	A-11-127	"S" Line 37+05±	77.0± Rt.	15	6240.0±	6235.0±
	A-11-128	"S" Line 44+05±	69.0± Rt.	15	6238.0±	6233.0±-
	A-11-129	"S" Line 51+00±	161.5± Rt.	15	6240.0±	6233.0±
	A-11-133	"S" Line 26+57±	192.5± Lt.	15	6240.0±	6238.0±
	A-10-134	"S" Line 32+36±	0.0±.	15	6242.0±	6228.5±
	A-10-135	"S" Line 54+85±	0.0±	15	6244.0±	-
	A-11-136	"S" Line 64+40±	52.0± Rt.	15	6248.0±	6234.0±
	A-11-137	"S" Line 67+15±	312.0± Lt.	15	6264.0±	-
	A-11-138	"S" Line 71+00±	267.5± Rt.	15	6248.5±	-
Retaining Wall	R-10-118	"S" Line 24+75±	20.0± Rt.	15	6239.0±	-
	A-10-119	"S" Line 28+10±	35.0± Rt.	15	6240.0±	-
	A-10-120	"S" Line 30+30±	31.0± Rt.	15	6240.5±	6226.0±
	R-10-121	"S" Line 61+00±	18.5± Rt.	15	6246.0±	-
	A-10-122	"S" Line 65+50±	25.0± Rt.	15	6246.0±	-
	R-10-123	"S" Line 67+25±	25.0± Rt.	15	6250.0±	-
Pavement	A-10-124	"S" Line 21+88±	23.5± Rt.	15	6240.0±	6237.5±
	A-10-125	"S" Line 27+00±	310.0± Lt.	15	6245.0±	6237.5±
	A-10-126	"S" Line 29+59±	12.0± Lt.	5	6241.5±	-
	A-10-130	"S" Line 57+26±	22.0± Lt.	5	6244.0±	-
	A-10-132	"S" Line 65+50±	70.0 ± Lt.	15	6249.5 ±	-
Detention Basin	A-11-140	"S" Line 44+55±	52.0± Rt.	15	6266.0±	6257.0±
Parking Lot	A-11-139	"S" Line 36+45±	315± Rt.	15	6245.0±	6240.0±
	A-11-141	"S" Line 60+00±	0.0±	15	6238.0±	6228.0±
	A-11-142	"S" Line 54+00±	102.0± Rt.	15	6244.0±	6229.0±

(2) Boring location stations and offset are stated to the nearest foot to be consistent with the LOTB, however they were not surveyed.

5.2 Geologic Mapping

No site-specific geological mapping was performed because of the flat ground nature of the project site and absence of surface geologic feature.

5.3 Geophysical Studies

Based on the published geologic map, the project site is underlain by Holocene beach deposits and Holocene lake deposits. Geophysical techniques such as cross-hole surveys, seismic refraction and reflection in general are unnecessary for this type of geologic condition.

5.4 Instrumentation

No instrumentation was installed during the field exploration. The subject was considered and was determined to be not applicable to the project.

5.5 Exploration Notes

The exploratory borings encountered localized fill and beach deposits predominantly consisting of loose to dense sand, gravel and cobbles. Cobbles were encountered at depths between approximately 5 feet and 10 feet in some of the soil borings.

6. GEOTECHNICAL TESTING

6.1 In Situ Testing

In situ testing consists of recording blow counts during sampling (using both Modified California Sampler and Standard Penetration Test Sampler) in the field. The Standard Penetration Test Blow (SPT-N) values were typically on the order of 8 to “practical refusal” (more than 50). Based on the typical SPT-N values for the soil materials encountered in the field exploration, the subsurface soil conditions generally consist of mainly loose to very dense sand/gravel and cobbles. The in-situ test results are presented on the LOTB in Appendix A.

6.2 Laboratory Testing

Laboratory tests performed included the following: Laboratory determination of Moisture-Density (Caltrans Test Method T-226), Grain Size Distribution Analysis (Caltrans Test Method T-202), Atterberg Limits (Caltrans Test Method T-204), Unconfined Compression Test (Caltrans Test Method T-221), Corrosion Test (Caltrans Test Method T-643), R-value Test (Caltrans Test Method T-301) and Compaction Test (Caltrans Test Method T-216). The laboratory test results are summarized and included in Appendix B.

In general, the natural moisture contents of the subsurface soils ranged from 3% to 47%.

7. GEOTECHNICAL CONDITIONS

7.1 Site Geology

Kings Beach is located in Lake Tahoe Basin (Basin), which is an intermountain basin between Sierra Nevada and the Carson Range. The northern Basin is primarily underlain by Cenozoic volcanic rocks and covered by Miocene and early Pleistocene volcanic and intrusive rocks. Kings Beach is primarily underlain by beach and lake deposits of Holocene age.

General geologic features pertaining to the site were evaluated with reference to the "Geologic map of the Lake Tahoe basin, California and Nevada, California Geological Survey, Regional Geologic Map No. 4 by G.J. Saucedo, 2005". The general geology of the project area is shown on the Geologic Map, Plate 3. Based on the geologic map, majority of the project site is mapped as Lake Deposits (Ql) and Beach Deposits (Qb). The following are the general description of the main geological units at the project site.

- Qb -The Holocene beach deposits are composed of moderately sorted, fine- to very coarse-grained to gravelly arkosic sand derived from the decomposition of granite.

- Ql - The Holocene lake deposits are composed of thin-bedded sandy silt and clay.

7.1.1 Lithology

Beach deposits and lake deposits, with colluvium materials were encountered during the field exploration. Detailed description of subsurface soil conditions are presented in Section 7.2.

7.1.2 Structure

There are three potential fault lines that run deep under Lake Tahoe. The northern portion of North Tahoe Fault appears to be the most tectonically active. One fault cuts directly through the area near Stateline Point (location of Cal-Neva), while an extension of the fault trends northeast through "Incline Village". These two North Shore faults are believed to be part of one system and may tend to rupture together. Another prominent fault zone is the north-south trending West Tahoe-Dollar Point Fault Zone. The West Tahoe fault continues on to become the Dollar Point Fault.

The structures of the geological units such as bedding, folds, fracture, jointing, and foliation had been considered and were determined to be not applicable for this project.

7.1.3 Existing Slope Stability

The project site is along SR-28 between SR-267 and Chipmunk Street, which is generally flat. There is no existing natural slope within the project limits. Slope stability is not a geotechnical concern.

7.2 Subsurface Soil Conditions

Based on the boring data, the subsurface soil conditions at the project site consist of mainly loose to dense silty sand. Medium dense to very dense poorly graded sand/gravel was encountered in some of the borings. Soil matrix with cobbles and boulders was encountered in some of the borings summarized in the table below.

Boring No.	Approximate Location	Approx. Depth (ft)	Approx. Thickness (ft)
A-11-101	S, Secline St/Brockway Vista Ave.	12.5	3
R-10-118	West of Secline Street	7.5	7.5
R-10-114	Near intersection of Fox Street & Minnow Ave	5	>12.5
R-10-121	In the vicinity of Chipmunk Avenue/SR-28	6	>9
R-10-123	In the vicinity of Chipmunk Avenue/SR-28	4	11
R-10-117	In the vicinity of Chipmunk Avenue/SR-28	3	12
A-11-137	Chipmunk Street	8	4
A-11-138	EB SR-28 to Brockway	1	To the bottom of boring

The thickness of the pavement sections are summarized in the Table 3 below. The general subsurface soil conditions at the soil borings are summarized in Table 4 below.

TABLE 3: SUMMARY OF EXISTING PAVEMENT SECTION THICKNESS

Boring/Pavement Core No.	Street Location/Station	Purpose	Approximate Pavement Section Thickness	
			AC (inch)	AB (inch)
C14	Bear Street	Pavement Coring	6	2
A-10-105	Bear Street	Storm Water	4	4
C17	Brook Avenue	Pavement Coring	4	4@
C19	Brook Avenue	Pavement Coring	4	4
C35	Chipmunk Street	Pavement Coring	4	*
C37	Chipmunk Street	Pavement Coring	5	*
A-10-116	Chipmunk Street	Storm Water	4	*
C21	Coon Street	Pavement Coring	6	9
C22	Coon Street	Pavement Coring	5	2
C8	Deer Street	Pavement Coring	9	9
C29	Fox Street	Pavement Coring	4	*
A-10-113	Fox Street	Storm Water	2	*
A-10-125	Rainbow Avenue	Pavement Design	3	4
C25	Salmon Avenue	Pavement Coring	9	4
C28	Salmon Avenue	Pavement Coring	3	*
A-10-111	Salmon Avenue	Storm Water	7	-
A-10-112	Salmon Avenue	Storm Water	7	*
C-11	Trout Avenue	Pavement Coring	4	4

@ Material is not clean Aggregate Base (AB), has fines mixed probably from native soil materials.
* AB is blended with similar native soils and cannot be quantified as a distinct section.

TABLE 3: SUMMARY OF EXISTING PAVEMENT SECTION THICKNESS (CONTINUED)

EB/WB	Boring/Pavement Core No.	Street Location /Station	Purpose	Approximate Pavement Section Thickness	
				AC (inch)	AB (inch)
EB	A-10-124	"S" Line 21+88	Pavement Coring	5	7
EB	C2	"S" Line 23+77	Pavement Coring	4.5	5@
EB	R-10-118	"S" Line 24+75	Retaining Wall	5	-
EB	A-10-102	"S" Line 26+64	Storm Water	6	6
EB	A-10-119	"S" Line 28+10	Retaining Wall	7	-
EB	C5	"S" Line 29+59	Pavement Coring	9	-
EB	A-10-120	"S" Line 30+30	Retaining Wall	8	16
EB	C7	"S" Line 33+00	Pavement Coring	9	-
EB	C12	"S" Line 38+70	Pavement Coring	6	-
EB	A-10-106	"S" Line 44+50	Storm Water	9	15
EB	C18	"S" Line 45+58	Pavement Coring	10	8
EB	A-10-109	"S" Line 50+00	Storm Water	8	-
EB	C27	"S" Line 55+85	Pavement Coring	11	-
EB	C30	"S" Line 58+21	Pavement Coring	10	-
EB	R-10-114	"S" Line 59+17	Storm Water	8	-
EB	R-10-121	"S" Line 61+00	Retaining Wall	9	-
EB	C32	"S" Line 62+00	Pavement Coring	10	-
EB	A-10-122	"S" Line 65+50	Retaining Wall	8	-
EB	R-10-123	"S" Line 67+25	Retaining Wall	9	-
EB	A-10-117	"S" Line 69+00	Storm Water	9	-

@ Material is not clean Aggregate Base (AB), has fines mixed probably from native soil materials.

TABLE 3: SUMMARY OF EXISTING PAVEMENT SECTION THICKNESS (CONTINUED)

EB/WB	Boring/Pavement Core No.	Street Location /Station	Purpose	Approximate Pavement Section Thickness	
				AC (inch)	AB (inch)
EB	C4	"S" Line 27+15	Pavement Coring	9	6
EB	C9	"S" Line 35+00	Pavement Coring	9	-
EB	A-10-104	"S" Line 41+53	Storm Water	10	-
EB	C15	"S" Line 42+00	Pavement Coring	11	-
EB	C24	"S" Line 52+25	Pavement Coring	9	-
WB	C1	"S" Line 09+65	Pavement Coring	9	-
WB	C3	"S" Line 31+00	Pavement Coring	5	-
WB	A-10-126	"S" Line 29+59	Pavement Design	8	-
WB	C6	"S" Line 31+25	Pavement Coring	9	-
WB	C10	"S" Line 37+00	Pavement Coring	10	-
WB	C13	"S" Line 40+37	Pavement Coring	10	-
WB	C16	"S" Line 44+00	Pavement Coring	10	-
WB	C20	"S" Line 47+40	Pavement Coring	8	-
WB	A-10-108	"S" Line 48+74	Storm Water	9	15
WB	C23	"S" Line 50+14	Pavement Coring	8	8
WB	C26	"S" Line 54+12	Pavement Coring	8	10
WB	A-10-130	"S" Line 57+26	Pavement Design	10	-
WB	C31	"S" Line 60+20	Pavement Coring	7	6
WB	C33	"S" Line 63+53	Pavement Coring	10	8
WB	A-10-132	"S" Line 65+50	Pavement Design	9	6
WB	C34	"S" Line 65+12	Pavement Coring	8	6
WB	C36	"S" Line 66+90	Pavement Coring	9	6
WB	C38	"S" Line 68+83	Pavement Coring	8	6
WB	C39	"S" Line 71+29	Pavement Coring	8	6

TABLE 4: SUMMARY OF SUBSURFACE SOIL CONDITIONS

Structure	Boring No.	Street Location	Station	Subsurface Soil Condition[2]
Stormwater	A-11-101[1]	S, Secline St/Brockway Vista Ave.	"S" Line 26+84±	Loose to medium dense sand, underlain by medium dense to very dense sand.
	A-10-105	Bear Street/SR-28	"S" Line 42+00±	Loose silty sand, underlain by medium dense silty sand.
	A-10-116	Chipmunk St.	"S" Line 67+94±	Medium dense silty sand.
	A-10-113	Fox Street	"S" Line 58+40±	Loose to medium dense silty sand, underlain by medium dense silty sand.
	A-10-111	Salmon Ave.	"S" Line 53+70±	Loose silty sand, underlain by medium dense to very dense silty sand.
	A-10-112	Salmon Ave.	"S" Line 55+00±	Loose silty sand, underlain by medium dense to dense silty sand.
	A-11-133	Secline Street	"S" Line 26+57±	Loose poorly graded sand, underlain by very dense silty sand/silty gravel.
	A-11-136	Fox Street to Chipmunk Street	"S" Line 64+40±	Loose silty sand, underlain by medium dense to very dense silty sand.
	A-11-137[1]	Chipmunk Street	"S" Line 67+15±	Medium dense clayey sand, underlain by medium dense to dense silty sand/silty gravel.
	A-11-138[1]	EB SR-28 to Brockway	"S" Line 71+00±	Dense to very dense poorly graded gravel with cobbles/boulders
	A-11-107	State Park	"S" Line 34+00±	Medium dense silty sand, underlain by very dense silty sand.
	A-11-127	State Park	"S" Line 37+05±	Medium dense poorly graded sand, underlain by dense silty sand.
	A-11-128	State Park	"S" Line 44+05±	Medium dense silty sand, underlain by dense silty sand.
	A-11-129	State Park	"S" Line 51+00±	Medium dense silty sand/poorly graded sand, underlain by dense silty sand.
Pavement Design	A-10-125	Rainbow Ave.	"S" Line 27+00±	Dense silty sand.
Stormwater	A-10-102	EB SR-28	"S" Line 26+64±	Loose silty sand, underlain by medium dense poorly graded sand/silty sand.
	A-10-106	EB SR-28	"S" Line 44+50±	Medium dense silty sand, underlain by dense silty sand.
	A-10-109	EB SR-28	"S" Line 50+00±	Very loose to medium dense silty sand, underlain by medium dense poorly graded sand with gravel.
	R-10-114[1]	EB SR-28	"S" Line 59+17±	Medium dense to very dense poorly graded gravel.
	A-10-115	EB SR-28	"S" Line 64+75±	Medium dense poorly graded/silty sand, underlain by dense silty sand.
	R-10-117[1]	EB SR-28	"S" Line 69+00±	Medium dense silty sand, underlain by dense poorly graded/silty sand.
	A-10-134	SR-28	"S" Line 32+36±	Medium dense to dense sand with pocket/lens of loose silty sand.
	A-10-135	SR-28	"S" Line 54+85±	Dense to very dense silty sand/poorly graded sand.

Note:
(1) Soil matrix with cobbles and boulders was encountered in this boring.
(2) Log of Test Boring should be referred to for detail information.

TABLE 4: SUMMARY OF SUBSURFACE SOIL CONDITIONS (CONTINUED)

Structure	Boring No.	Street Location	Station	Subsurface Soil Condition[2]
Retaining Wall	R-10-118[1]	EB SR-28	"S" Line 24+75±	Medium dense silty sand, underlain by dense poorly graded gravel, underlain by medium dense silty sand.
	A-10-119	EB SR-28	"S" Line 28+10±	Medium dense silty/poorly graded sand, underlain by very dense silty/clayey sand, underlain by medium dense silty sand.
	A-10-120	EB SR-28	"S" Line 30+30±	Medium dense silty sand.
	R-10-121[1]	EB SR-28	"S" Line 61+00±	Medium dense to very dense poorly graded sand, underlain by very dense silty sand with gravel.
	A-10-122	EB SR-28	"S" Line 65+50±	Dense poorly graded gravel, underlain by medium dense silty sand, underlain by dense poorly graded gravel, underlain by loose to dense silty sand/silty gravel.
	R-10-123[1]	EB SR-28	"S" Line 67+25±	Medium dense silty gravel, underlain by dense poorly graded gravel, underlain by medium dense silty sand.
Stormwater	A-10-103	WB SR-28	"S" Line 36+52±	Medium dense silty sand with lens/layer of poorly graded sand.
	A-10-104	WB SR-28	"S" Line 41+53±	Dense poorly graded sand, underlain by loose to dense silty sand.
	A-10-108	WB SR-28	"S" Line 48+74±	Medium dense silty sand, underlain by loose silty sand.
Pavement Design	A-10-124	WB SR-28	"S" Line 21+88±	Medium dense silty sand, underlain by dense silty sand/poorly-graded sand, underlain by loose poorly-graded sand.
	A-10-126	WB SR-28	"S" Line 29+59±	Silty sand.
	A-10-130	WB SR-28	"S" Line 57+26±	Silty sand.
	A-10-132	WB SR-28	"S" Line 65+50±	Loose to medium dense silty sand, underlain by medium dense silty sand.
Detention Basin	A-11-140	Coon St./Golden Ave.	"S" Line 44+55±	Loose to dense silty sand, underlain by very stiff silt.
Parking Lot	A-11-139	Rainbow Avenue	"S" Line 36+45±	Loose to very dense poorly-graded sand.
	A-11-141	Brockway Vista Ave.	"S" Line 60+00±	Very stiff lean clay, underlain by medium dense to dense silty sand/clayey sand.
	A-11-142	EB SR-28	"S" Line 54+00±	Medium dense poorly graded sand, underlain by dense silty sand, underlain by very stiff silt.

Note:
(1) Soil matrix with cobbles and boulders was encountered in this boring.
(3) Log of Test Boring should be referred to for detail information.

It should be noted that these descriptions and related information depict subsurface conditions only at the locations indicated and on the particular date noted on the LOTB. Because of the variability from place to place within soil/rock in general, subsurface soil conditions at other locations may differ from conditions occurring at the locations explored. The abrupt stratum changes shown on the logs may be gradational and relatively minor changes in soil types within a stratum may not be noted due to field limitations. Also, the passage of time may result in a change in the soil conditions at the locations due to environmental changes.

Due to limitations inherent in geotechnical investigations, it is neither uncommon to encounter unforeseen variations in the subsurface soil conditions during construction nor is it practical to determine all such variations during an acceptable program of drilling and sampling for a project of this scope. Such variations, when encountered, generally require additional engineering services to attain a properly constructed project. We therefore, recommend that a contingency fund be provided to accommodate any additional charges resulting from technical services that may be required during construction.

7.3 Water

7.3.1 Surface Water

The project site is located in the downtown area of Kings Beach in the vicinity of both residential and commercial properties. The overall terrain at the project site is relatively flat. Based on the visual inspection on site, it appears the topography rises up slightly from SR-28 to “the grid” of back street and along SR-28 starting from the west side of Chipmunk Street. It appears that the surface water/drainage is generally by sheet flow, or collected by local drainage systems and drained to the Griff Creek and its secondary outflow at Deer Street which ultimately drains to the lake.

7.3.1.1 Scour

According to the designer, scour is not a concern for this project.

7.3.1.2 Erosion

The existing slopes have established landscaping to help control erosion. Therefore erosion is not a concern for this project.

7.3.2 Groundwater

Groundwater was encountered at the depths between 13 feet and 15 feet (between Elevation +6223.0 feet and Elevation +6230.0 feet) below existing ground surface during the field exploration in November 2010 and June 2011.

In our opinion, the groundwater level is anticipated to vary with the passage of time due to seasonal groundwater fluctuation, surface and subsurface flows, ground surface run-off, change in the water level in the nearby creeks and other environmental factors which may not have been present at the time of our investigation.

7.4 Project Site Seismicity

7.4.1 Ground Motions

The project is located in a seismically active part of northern California. Many faults that exist in the region of Lake Tahoe are capable of producing earthquakes that may cause strong ground shaking at the site. The attached Fault Map (Plate 4) presents the locations of the fault systems relative to the project site.

Maximum credible earthquake magnitudes for some of the major faults in the area are determined by Caltrans' recently developed online ARS tool. These maximum credible earthquake magnitudes represent the largest earthquakes that could occur on the given fault based on the current understanding of the

regional tectonic structure. The distances from the site to the faults are summarized below.

TABLE 5 – EARTHQUAKE DATA

Fault (Fault ID)	Maximum Moment Magnitude of Fault, M_{Max}	Fault Type	Estimated Distance From Project Site (miles)
North Tahoe Fault (85)	6.5	Normal	1.2
Incline Village Fault (86)	6.4	Normal	2.8
West Tahoe – Dollar Point Fault (84)	7.0	Normal	4.9

Based on available geological and seismic data, the possibility of the site to experience strong ground shaking should be considered moderate to high.

7.4.2 Ground Rupture

No active fault passes through the project sites, the potential for ground surface rupture due to faulting within the project limits is considered low.

8. GEOTECHNICAL ANALYSES AND DESIGN

8.1 Dynamic Analysis

8.1.1 Parameter Selection

Caltrans has updated the 1996 Seismic Hazard map with the new 2007 Caltrans Deterministic PGA Map and the Caltrans ARS Online (Ver. 1.0.4) for the development of response spectra for design. The development of the design ARS curve is based on several input parameters, including site location (longitude/latitude), average shear wave velocity for the top 30m/100 feet ($Vs_{30}m$), and other site parameters, such as fault characteristics, site-to-fault distances.

The new design methods incorporate both deterministic and probabilistic seismic hazards to produce the Design Response Spectrum. According to

the design manual, we have also compared the probabilistic response spectrum from 2008 USGS Deaggregation Hazard (beta) web site for the 5% in 50 years probability of exceedance (or 975 year return period).

Average shear wave velocity (Vs) for the top 30m (100 feet) at the site was estimated by using established correlations and the procedure provided in the Design Manual (Ver. 1.0, August 2009). The site location and the relevant parameters are summarized as follows, and the recommended design curve is presented on Plate 4 of the report.

1. Site Location: 39.2335ºN/120.0163ºW
2. Estimated V_{S30} = 280 m/s
3. The recommended ARS curve is the envelope of the Caltrans ARS Online Probabilistic Method and the Caltrans Deterministic Method.

8.1.2 Analysis

According to the designer, no new major cut slope is planned for the project. The subject has been considered and was determined to be not a geotechnical concern for this project.

8.1.3 Liquefaction Potential

Liquefaction is a phenomenon in which saturated cohesionless soils are subject to a temporary but essentially total loss of shear strength under the reversing, cyclic shear stresses associated with earthquake shaking. Submerged cohesionless sands and silts of low relative density are the type of soils, which usually are susceptible to liquefaction. Clays are generally not susceptible to liquefaction.

Based on the LOTB of the borings drilled in 2010, the project site is generally underlain by mainly loose to dense silty sand. Medium dense to very dense poorly graded sand/gravel was encountered in some of the soil borings.

Analyses of the liquefaction potential of the loose to medium dense sand deposits were analyzed based on Borings A-10-105, A-10-108, A-10-109, A-10-111, A-10-112, A-10-113, A-10-120, A-10-124, A-10-132, A-11-101, A-11-107, A-11-127, A-11-129, A-11-133, A-11-136, A-11-137 and A-11-140. The analyses were performed using the procedure developed by Seed and Idriss (1982) for a magnitude 6.5 earthquake, on the nearby North Tahoe Fault, resulting in a peak ground acceleration of about 0.5 g. This method compares the estimates of the earthquake-induced shear stress to the susceptibility of soil liquefaction. It is estimated that the maximum post-liquefaction settlements may be on the order of 1 ½ inches.

In our opinion, the liquefaction potential within the project site is generally relatively low to moderate. Based on the evaluation, the impact of the post-liquefaction settlement on the roadway should be relatively small because the post-liquefaction settlement probably would be random and localized and could spread out over some distance/area.

For a roadway type of project (linear), we do not see a need to implement a mitigation program since the aerial type of settlement can be repaired in a routine maintenance program, if necessary.

8.2 Cuts and Excavations

According to the designer, the gradient of any proposed cut/fill slopes will be 4(H): 1(V) and less than five feet in height.

8.2.1 Stability

There is no new major cut slope proposed for this project. In our opinion, the stability of the proposed minor cut slope should not be a geotechnical concern.

8.2.2 Rippability

The proposed cuts are anticipated to be in roadway fill and native soils.

Based on the investigation, all the borings were drilled using conventional equipment. Therefore, rippability does not appear to be a concern for construction.

8.2.3 Grading Factor

The on-site native soil meeting the project specifications may be used as engineered fill. For preliminary estimate, a grading factor of 0.9 may be assumed for the import materials based on our previous experience.

8.3 Embankment

According to the designer, there is no embankment proposed for this project.

8.3.1 Settlement Evaluation

The subject has been considered and determined to be not applicable to this project.

8.3.2 Evaluation of Embankment Stability

The subject has been considered and determined to be not applicable to this project.

8.4 Earth Retaining Wall

It is our understanding that due to right-of-way and other geometric constraints, the project will require construction of seven retaining walls. The maximum height of these retaining walls will be six feet. The subgrade elevation of the wall footings will range from Elev. +6237 feet to Elev. +6245 feet. According to the designer, the footing subgrade elevation for each retaining wall will be determined later. Information of the retaining walls provided by the designer is summarized in Table 6.

TABLE 6: SUMMARY OF PROPOSED RETAINING WALLS

Wall No.	Wall Type	Location (Along approx. Sta.)	Approximate Length (ft)
RW 1	Caltrans Type 1	"S" Line 27+27.00 to 28+87.43	160
RW 2	Caltrans Type 1	"S" Line 29+61.95 to 30+99.16	137
RW 3	Caltrans Type 1	"S" Line 35+20.00 to 36+80.00	160
RW 4	Caltrans Type 1	"S" Line 37+66.24 to 40+78.76	313
RW 5	Caltrans Type 1	"S" Line 60+30.50 to 62+35.29	205
RW 6	Caltrans Type 1	"S" Line 63+20.30 to 65+60.25	240

- **Retaining Wall Nos. 1-4 - "S" Line 27+27.04 to "S" Line 40+78.76**

  These walls are along the SR-28 between Secline Street and Bear Street. The anticipated total wall length is approximately 770 feet. Based on the boring information of Borings A-10-119, A-10-120, A-10-103 and A-10-104 (in the vicinity of the proposed retaining walls), the subsurface soil conditions at the anticipated footing subgrade generally consist of medium dense to dense silty sand/poorly graded sand. A thin pocket/lens of loose silty sand was encountered at approximate depth of 5 feet below existing ground surface in Boring A-10-104. Groundwater was encountered at the depth of 13 feet (Elev. +6227.5 feet) in Boring A-10-104 and at the depth of 14.5 feet (Elev. + 6226.0 feet) in Boring A-10-120 during drilling in November 2010.

  Standard Caltrans Type 1 wall (Caltrans Standard B3-1) supported on spread footing can be used. Based on the bearing capacity analysis, an allowable bearing capacity (based on F.S. of 3) of 2.5 kips per square foot (ksf) is available for footing design (bottom of footing at a minimum depth of 1.5 feet below lowest adjacent finish grade).

- **Retaining Wall Nos. 5-6 - "S" Line 60+30.50 to "S" Line 65+60.25**

  These walls are along the SR-28 between Fox Street and Chipmunk Street. The anticipated total wall length is approximately 445 feet. Based on the boring information of Borings A-10-115, Borings R-10-121 and R-10-122 and A-11-136 (borings nearest to the proposed retaining walls), the subsurface soil conditions at the anticipated footing subgrade generally consist of dense to very

dense silty sand/poorly graded sand. Very loose to medium dense silty sand was encountered within the top 5 feet of Boring A-11-136. Cobbles were encountered in Boring R-10-114 and R-10-123 at shallow depth (less than 5 feet) below existing ground surface in the vicinity of the proposed retaining walls. Groundwater was encountered at the depth of 14 feet (Elev. +6234.0 feet) in Boring A-11-136 during drilling in June 2011.

Standard Caltrans Type 1 wall supported on spread footing can be used. Based on the bearing capacity analysis, an allowable bearing capacity (based on F.S. of 3) of 4.0 kips per square foot (ksf) is available for footing design (bottom of footing at a minimum depth of 1.5 feet below lowest adjacent finish grade).

Settlement analyses were performed for the proposed retaining walls according to method in "AASHTO LRFD Bridge Design Specifications". The maximum settlement was estimated to be in the order of 1 inch and the differential settlement was estimated to be in the order of ½ inches or less.

8.5 Corrosion Investigation

The corrosion investigation for this project was performed in general accordance with the provisions of California Test Method T-643. Chemical tests were performed on selected soil samples to evaluate the corrosion potential of the subsurface soil. A summary of the corrosion test results is presented in Table 7.

TABLE 7 - SUMMARY OF CORROSION TEST RESULTS

Boring No.	Station & Offset	Depth (ft)	Min. Resistivity (ohm-cm)	pH	Sulfate (ppm)	Chloride (ppm)
A-10-102	"S" Line 26+64, 14.0 Rt.	3.5	2170	5.60	17.6	103.5
A-10-103	"S" Line 36+52, 24.0 Lt.	5.0	5900	6.33	1.7	22.3
A-10-109	"S" Line 50+00, 33.0 Rt.	5.0	1740	5.97	2.8	38.1
A-10-112	"S" Line 55+00, 286.0 Lt.	5.0	3750	6.53	4.8	29.8
A-10-115	"S" Line 64+75, 5.0 Rt.	11.0	5900	6.99	1.0	30.4
A-11-128	"S" Line 44+05, 69.0 Rt.	3.0	4470	6.74	1.0	9.2
A-11-139	"S" Line 36+45, 315.0 Rt.	6.0	3750	6.48	3.6	13.3

Based on the corrosion test results, the native subsurface soils in the above borings

are considered non-corrosive per Caltrans corrosion design guidelines. Standard Type II modified or Type I-P (MS) modified cement may be used for the concrete substructure.

8.6 Minor Structure Foundations

According to the designer, there will be a traffic signal located at the intersection of SR-28 and SR-267. The foundation of these structures will be designed according to Caltrans standard. The subject was considered and was determined to be not applicable for the project.

8.7 Drainage

8.7.1 Bedding Subgrade

Based on the soils encountered in the investigation and assuming that proper dewatering and construction procedures are used, the foundation soils should generally be capable of supporting the pipelines at the planned pipe invert depths.

8.7.2 Subgrade Preparation

The subgrade should be prepared to provide uniform bearing throughout the entire length of the pipe conduits. Where hard unyielding materials larger than 3 inches, such as gravels, cobbles, etc., which may cause local stresses in the pipeline, are encountered in the trench bottom, they should be excavated out and backfilled with bedding material or they should be bridged with at least 6 inches of bedding material.

The on-site soils at the proposed pipeline inverts are anticipated to be mainly loose to dense silty sand that are dry to moist. However, the subgrade soils may become unstable if the loose to medium dense sand get saturated. The removal and replacement of the subgrade soils should be in accordance with Caltrans Standard Specifications, May 2006 and Caltrans

2010 Standard Plan. The actual locations of the over-excavations/backfill placement may vary depending on the subsurface soil conditions in the field. The Geotechnical Engineer should review the over-excavations during construction. The quantity of over-excavation will vary upon field conditions; it may be prudent to have these available on a unit rate or contingency basis. If shoring is used during construction, it should be designed to accommodate the above discussed over-excavation depth.

8.7.3 Trench Excavation, Trench Bedding and Backfill Materials

The trench excavation, placement of the pipe and backfill materials should be in accordance with Caltrans Standard Specifications, May 2006 and Caltrans 2010 Standard Plan or as shown on the plan or in the project specifications.

The bedding material is (except CDF) generally more permeable than the surrounding native soils and may provide a conduit for the flow of groundwater. This may result in soil migration from the surrounding area into the bedding material. It is recommended to control the flow of water and the soil material by

(a) Installing cut-off dams and (b) wrapping the bedding with geofabric filter material.

(b) Cut-off dams should be installed at periodic intervals in order to limit groundwater flow. The spacing of the cut-off dams is a function of the accepted risk. At a minimum, we recommend spacing of 250 feet. Cut-off dams could consist of compacted native clay soils, concrete, soil-cement or CDF. The soil-cement and CDF used for cut-off dams should be designed for a permeability not to exceed 10^{-2} ft/year.

(c) The bedding should be wrapped with geofabric filter material (Mirafi 140N or equivalent). The geofabric filter material should be extended on all three sides and should have the manufacturer's recommended overlap on the top. Minimum 2 feet of overlap is recommended.

8.7.4 Compaction of Trench Bedding and Backfill Materials

The required compaction of the trench bedding and backfill materials should be in accordance with Caltrans Standard Specifications, May 2006 and Caltrans 2010 Standard Plan or as shown on the plan or in the project specifications. The relative compaction shall be according to Caltrans Test Method T-216.

Compaction shall be obtained by mechanical means in layers not to exceed 8 inches in thickness. Jetting is not allowed for compaction of the backfill material within the roadway prism.

The proposed structures excavations and the pipe trench excavations are anticipated to encounter groundwater and granular soils. Therefore there is a possibility of migration of granular soils into the backfill material. Unless CDF is used as backfill material, we recommend that the backfill material be also wrapped by geofabric filter material (Mirafi 140N or equivalent).

9. STRUCTURAL PAVEMENT

A general visual observation of the existing pavement surface condition (pavement cracks) was conducted in the vicinity of the proposed pavement cores during the field exploration in November 2010. The result of the observation is summarized in Table 8 below.

TABLE 8: SUMMARY OF PAVEMENT CRACK VISUAL OBSERVATIONS

Pavement Core No.	Station (ft)/Street Location	Pavement Conditions
C1	"S" Line 09+65	Cracks across SR-267 apparently follow the alignment along a storm drain pipe. Cracks along SR-267 near shoulder fog line may also follow another utility. Cracks are more than hairline and up to ½" in width.
C2	"S" Line 23+77	Cracks along SR-28 follow the sewer pipe utilities alignment that was worked on. Crack across apparently is in close proximate to a utility that was across SR-28. Cracks are more than hairline and up to ¼" in width.

TABLE 8: SUMMARY OF PAVEMENT CRACK VISUAL OBSERVATIONS (CONTINUED)

Pavement Core No.	Station (ft)/Street Location	Pavement Conditions
C3	"S" Line 31+00	Cracks are more than hairline and up to ¼" in width. Cracks across SR-28 apparently follow storm drain pipe alignment.
C4	"S" Line 27+15	No observable cracks.
C5	"S" Line 29+59	Cracks across and along SR-28. Cracks up to ¼" in width. Cracks along SR-28 follow the alignment of the lane divider.
C6	"S" Line 31+25	Cracks across SR-28. Cracks from ¼" to ½" in width.
C7	"S" Line 33+00	Cracks across SR-28. Cracks from ¼" to 1" in width.
C8	Deer Street	Cracks across and along Deer Street. Cracks less than ¼" in width.
C9	"S" Line 35+00	Cracks across SR-28. Cracks from ¼" to ½" in width. Appear to follow the alignment of some utilities across SR-28.
C10	"S" Line 37+00	Cracks across SR-28. Cracks up to 1" in width. Cracks along SR-28 follow the alignment of nearby lane divider.
C11	Trout Avenue	Polygonal cracks with longitudinal orientation along Trout Avenue. Cracks up to ¼" in width.
C12	"S" Line 38+70	Cracks across SR-28 up to 1" in width.
C13	"S" Line 40+37	No observable cracks.
C14	Bear Street	Irregularly oriented cracks run along and across Bear Street. Cracks up to ¼" in width.
C15	"S" Line 42+00	Cracks along SR-28 near the lane divider. Cracks up to ¼" in width.
C16	"S" Line 44+00	Cracks across SR-28 approximately ¼" in width. Asphalt Concrete (AC) cracks and put on uppermost AC lift along SR-28 near lane divider.
C17	Brook Avenue	Irregularly oriented cracks along lower Brook Ave, cracks up to ¼" in width.
C18	"S" Line 45+58	Cracks across SR-28 generally follow the alignment of the existing electrical utility lines. Cracks up to 1" in width.
C19	Brook Avenue	Irregularly oriented cracks along and across Brook Ave. Cracks up to ¼" in width.
C20	"S" Line 47+40	Cracks across SR-28. Cracks up to 1" in width.

TABLE 8: SUMMARY OF PAVEMENT CRACK VISUAL OBSERVATIONS (CONTINUED)

Pavement Core No.	Station (ft)/Street Location	Pavement Conditions
C21	Coon Street	Cracks across and along Coon Street. Cracks up to ½" in width.
C22	Coon Street	Cracks along Coon Street generally follow the alignment of existing storm drain. Cracks from hairline to ½" in width.
C23	"S" Line 50+14	Cracks along SR-28 generally align to the lane divider and appears limited to the thin top lift of AC. Cracks approximate ½" in width. Cracks across SR-28 follow the storm drain line.
C24	"S" Line 52+25	Cracks along SR-28 align the lane divider. Cracks approximately 1" in width. Cracks across SR-28 follow the alignment of the existing electrical utility. Cracks from ¼" to 1" in width.
C25	Salmon Avenue	No observable cracks since the pavement had been repaved.
C26	"S" Line 54+12	AC defects are in thin top lift.
C27	"S" Line 55+85	AC defects are in thin top lift.
C28	Salmon Avenue	The pavement was recently paved. No observable cracks.
C29	Fox Street	No observable cracks.
C30	"S" Line 58+21	Cracks along and across SR-28. Cracks up to 1" in width.
C31	"S" Line 60+20	Cracks and ruts on AC's top lift near lane divider.
C32	"S" Line 62+00	No observable cracks.
C33	"S" Line 63+53	Cracks across SR-28. Cracks approximate 1" in width.
C34	"S" Line 65+12	Cracks along SR-28 runs along transverse path near the lane divider. Cracks across SR-28 appear to be along or parallel to storm drain that runs across SR-28. Cracks width up to 1" in width.
C35	Chipmunk Avenue	Polygonal cracks from ¼' to ½" in width.
C36	"S" Line 66+90	Cracks and ruts on top lift of AC. Cracks along SR-28 appear to align with the lane divider.
C37	Chipmunk Avenue	Polygonal cracks from ¼' to ½" in width.
C38	"S" Line 68+83	Cracks across SR-28. Cracks generally along the alignment of existing storm drain.

TABLE 8: SUMMARY OF PAVEMENT CRACKS VISUAL OBSERVATIONS (CONTINUED)

Pavement Core No.	Station (ft)/Street Location	Pavement Conditions
C39	"S" Line 71+29	No observable cracks.

The probable causes of the cracks within the project limits are summarized below:

a) Cracks across (or transverse) SR-28 appears to follow the alignment of existing utilities, such as storm drain and electrical lines. The formation of these cracks is probably due to the difference in compaction of the trench backfill and relevant settlement.

b) Cracks along SR-28 (or longitudinal) appear to follow the alignment of the lane divider. The formation of these cracks is probably due to different timing of the placement of asphalt concrete/pavement sections. The old and new pavement section created a longitudinal boundary which apparently the longitudinal cracks and ruts in the AC. Also, fiber optics and sewer lines are found in the slow lane of the westbound SR-28. The cracks/defects in the AC follow these utility constructions.

c) The cracks at the back streets are probably due to pavement fatigue as a result of inadequate thickness of the AC/AB/AS section. Whenever utility lines are present; the probable causes as described in Item (a) above could also contribute to the crack developments.

R-value tests were conducted on representative samples collected at subgrade level. The test results are summarized in Table 9.

TABLE 9: SUMMARY OF R-VALUE TEST RESULTS

Test Boring	Approximate Station & Offset (ft)	Approx. Existing Ground Elev. (ft)	R-value
A-10-108	"S1" Line 48+74±, 0.0± Rt.	6238.0±	45
A-10-126	"S1" Line 29+59±, 12.0± Lt.	6241.5±	74
A-10-130	"S1" Line 57+26±, 22.0± Lt.	6244.0±	83
A-11-136	"S1" Line 64+40±, 52.0± Rt.	6248.0±	78
A-11-141	"S1" Line 60+00±, 0.0±.	6238.0±	80
A-11-142	"S1" Line 54+00±, 102.0± Rt.	6244.0±	68

Findings, Design Approach and Recommendations:

- As shown in the "Summary of R-value Test Results" in Table 9, the R-values of the soil samples from the project site were found to between 45 and 83. An R-Value of 40 is assumed for native soil materials and imported soil materials in the design of structural pavement sections in this project;
- The design is according to Caltrans Highway Design Manual, using HMA (Type A); Aggregate Base (Class 2) and Aggregate Subbase (Class 4);
- Fill material placed within 4 feet of the finish pavement subgrade should have a minimum R-value of 40;
- The R-value of the imported soil materials should be 40 or greater;
- The structural pavement design is based on Caltrans Highway Design Manual (September 1, 2006) Section 608 and Pavement Bulletin 2009;
- The recommended minimum R-value for Class 2 AB is 78 and for Class 4 AS is 50. Caltrans Standard Specifications Section 26-1.02A specifies that the amount of reclaimed material shall not exceed 50 percent of the total volume of the aggregate used provided the reclaimed material fulfills the aggregate grading requirements in the specifications;

Based on the Traffic Indices provided by the designer and the design R-Value, the following are the recommended pavement sections.

County Roadway **(Design Traffic Index = 6.5)**

0.30 ft Hot Mix Asphalt (HMA) (A)
0.55 ft Class 2 Aggregate Base (AB)
Or 0.65 ft Hot Mix Asphalt (HMA) (A)

State Route-28, Kings Beach **(20-Year Design Life, Design Traffic Index = 9.0)**

0.45 ft Hot Mix Asphalt (HMA) (A)

0.80 ft Class 2 Aggregate Base (AB)

Or 0.85 ft Hot Mix Asphalt (HMA) (A)

***State Route-28, Kings Beach (*40-Year Design Life, Design Traffic Index = 9.5)** (Assume Table 623.1M High Mountain/High Desert Type II Subgrade Soil without Lateral Support)

0.90 ft Jointed Plain Concrete Pavement (JPCP)
0.40 ft Hot Mix Asphalt (HMA) (A)
0.50 ft Class 4 Aggregate Subbase (AS)

Or 0.95 ft Jointed Plain Concrete Pavement (JPCP)
1.00 ft Class 2 Aggregate Base (AB)

The calculations for the proposed pavement sections are contained in Appendix C.

Pavement Deflection and Structural Analysis

It is our understanding that the existing pavement may be considered for rehabilitation work. Pavement deflection and structural analysis for State Route 28 from State Route 267 to Chipmunk Street was performed by Pavement Engineering Inc. as authorized by Dokken Engineering, Inc. The existing pavement along State Route 28 from State Route 267 to Chipmunk Street was analyzed and the visual condition was surveyed. Full section and rehabilitation for the existing pavement was provided in the report prepared by Pavement Engineering Inc. According to this report, the recommended design section consists of 6 inches of HMA over 12 inches of compacted existing base (AB or subgrade soil materials).

A copy of the report for the "Pavement Deflection and Structural Analysis for State Route 28 from State Route 267 to Chipmunk Street" was provided to us and is included in Appendix D.

10. MATERIAL SOURCES

There are several commercial sources of asphalt, concrete, and aggregate products in the

vicinity of the project area. Some of the available commercial suppliers in the vicinity of the project area are listed in Table 10 below:

TABLE 10: SOURCES OF IMPORTED BORROW

Source	Location	Approx. Haul Distance (One way, miles)
Truckee North Tahoe	10642 Pioneer Trail, Truckee, CA	13.2
Teichert Aggregates	15899 Archery View, Truckee, CA	18.7

11. MATERIAL DISPOSAL

Majority of the project will require fill/imported borrow material for the proposed project. Disposal of ADL and other contaminated material is beyond the scope of this report.

12. CONSTRUCTION CONSIDERATIONS

12.1 Construction Advisories

The following sections are written primarily for the engineer responsible for the preparation of plans and specifications. Since these sections identify potential construction issues related to the project, it may also be of use to the Agency's representatives involved in monitoring of construction activity. The field investigation performed by PARIKH primarily addresses design issues and was not planned specifically to identify construction issues.

Majority of the project consists of storm water system, pavement and retaining wall construction along the existing SR-28; therefore traffic control is required to maintain traffic flow during construction. Several underground utilities exist at the site. The contractor should verify the utility lines at the project site, be aware of the existing conditions and plan the construction activities accordingly to minimize the construction impact on the integrity of the existing utilities.

In our opinion, conventional equipment may be used to excavate the on-site soil materials except at the location where cobbles/boulders were encountered during field exploration. The materials to be excavated may consist of mainly loose to medium dense sands and gravels. Localized subgrade pumping may be encountered during earthwork construction depending on the weather, moisture condition of the subsurface soils, and surface drainage conditions. Equipment mobility may also be difficult if the subgrade is wet. In which case, the subgrade soils may require reworking, aeration, or over-excavation and replacing with dry granular fill to facilitate earthwork construction. It is possible that unknown old buried utilities or abandoned structures, concrete rubble etc. are located along the alignment. It might require special equipment and additional efforts to remove these buried objects.

Prospective contractors for the project must evaluate construction-related issues on the basis of their own knowledge and experience in the local area, on the basis of similar projects in other localities, or on the basis of field investigation on the site performed by them, taking into account their proposed construction methods and procedures. In addition, construction activities related to excavation and lateral earth support must conform to safety requirements of Occupational Safety Health Administration (OSHA) and other applicable municipal and State regulatory agencies .

12.2 Construction Consideration that Influence Specifications

The contractor should verify the existing utility line conditions. These locations should not be used for stockpiling of borrow materials. Any utility conflicts with proposed construction should also be reviewed prior to construction.

12.3 Construction Monitoring and Instrumentation

The construction monitoring and instrumentation subject was considered and was determined to be not applicable for the project.

12.4 Hazardous Waste Considerations

The project environmental study report should be referred to for further details about any hazardous materials within the project.

12.5 Differing Site Conditions

The soil conditions described in this report are based on available boring data. It should be noted that these borings depict subsurface soil conditions and groundwater conditions only at the locations drilled and at the time drilled. Because of the variability from place to place within soils in general, and the nature of geologic depositions, subsurface soil conditions and groundwater conditions could change between the explored boring locations.

Early communication should be made between the Resident Engineer, the Contractor and the Geotechnical Engineer as soon as conditions that differ from those established in this report are recognized by any of the parties. Additional recommendations could be provided if such conditions arise.

13. RECOMMENDATIONS AND SPECIFICATIONS

13.1 Summary of Recommendations

If the designer has questions or concerns with any of these recommendations, or, if conditions are found to be different during construction, the Geotechnical Engineer who prepared this report should be contacted. Additional fieldwork, analysis or changes in recommendations may be required during the construction phase. These services may be provided under a separate authorization, as necessary. A concise summary of the geotechnical recommendations is presented below:

- The boring data indicates that the subsurface soil conditions generally consist of mainly loose to dense silty sand. Medium dense to very dense poorly graded gravel and cobbles/boulders were encountered in some borings. Groundwater

was encountered at the depths between 13 feet and 15 feet below existing ground surface (between Elevation +6223.0 feet and Elevation +6230.0 feet) during the field exploration in 2010. The impact of liquefaction potential is considered relatively low at the project site. (Ref.: Section 8.1.3)

- Structural pavement sections for the project (Ref: Section 9):

13.2 Recommended Materials Specifications

13.2.1 Standard Specifications

Unless otherwise stated in the special provisions, all materials specifications should conform to Caltrans Standard Specifications, May 2006 edition (Ref. 10), including but not limited to the following: Earthwork, Structure Backfill, Pervious Backfill Material, Reinforcing Geofabric, Thermoplastic Pipes, Hot-Mix Asphalt (HMA) and Aggregate Base (AB) etc. Pavement subgrade and structural sections should be prepared and compacted in accordance with the project specification and Caltrans standard.

13.2.2 Special Provisions

Imported Borrow:

Imported material should be in accordance with the specifications set forth in Caltrans Section 19. In particular the material placed within 4 feet of the finish pavement subgrade should meet the following requirements:

1. Free of organic or other deleterious materials.
2. An R-value of no less than 40.

Aggregate Base: Aggregate Base (Class 2) shall conform to the grading specified in the table below for the special provisions. It shall also be clean and free from organic matter and other deleterious substances. The percentage composition by weight of Class 2 aggregate base shall conform

to the following grading as determined by California Test Method No. 202.

Gradation Requirement (Percent Passing ¾" Maximum)

Sieve Sizes	Operating Range	Contract Compliance
1":	100	100
¾"	90 – 100	87 – 100
No. 4	35 – 60	30 – 65
No. 30	10 – 30	5 – 35
No. 200	2 – 11	0 – 14

Gradation Requirement (Percent Passing 1 ½" Maximum)

Sieve Sizes	Operating Range	Contract Compliance
2"	100	100
1 ½"	90 – 100	87 – 100
1"	------	------
¾"	50 – 85	45 – 90
No. 4	24 – 45	20 – 50
No. 30	10 – 25	6 – 29
No. 200	2 – 11	0 – 14

Aggregate Base (Class 2) shall also conform to the quality requirements given on the following table:

Quality Requirements

California Test Method	Operating Range	Contract Compliance
Sand Equivalent (217)	25 min	22 Min.
Resistance (R-value) (301)	-	78 Min.
Durability Index	-	35 Min.

Aggregate Subbase: Aggregate Subbase (Class 4) shall conform to the provisions in Section 25 of the Standard Specifications and to the Special Provisions.

Aggregate Subbase (Class 4) shall be clean and free from organic matter and other deleterious substances. The percentage composition by weight of Class 4 aggregate subbase shall conform to the following grading as determined by California Test Method No. 202.

Gradation Requirement (Percent Passing)

Sieve Sizes	Operating Range	Contract Compliance
2 1/2 "	100	100
No. 4	30 – 65	25 – 70
No. 200	0 – 15	0 - 18

Aggregate Subbase (Class 4) shall also conform to the quality requirements given on the following table:

Quality Requirements

California Test Method	Operating Range	Contract Compliance
Sand Equivalent (217)	21 Min.	18 Min.
Resistance (R-value) (301)	-	50 Min.

14. INVESTIGATION LIMITATIONS

Our services consist of professional opinions and recommendations made in accordance with generally accepted geotechnical engineering principles and practices and are based on our field exploration and the assumption that the soil conditions do not deviate from observed conditions.

No warranty, expressed or implied, of merchantability or fitness, is made or intended in connection with our work or by the furnishing of oral or written reports or findings. The scope of our services did not include any environmental assessment or investigation for the presence or absence of hazardous or toxic materials in structures, soil, surface water, groundwater or air, below or around this site. Unanticipated soil conditions are commonly encountered and cannot be fully determined by taking soil samples and excavating test borings; different soil conditions may require that additional expenditures be made during construction to attain a properly constructed project. Some contingency fund is thus recommended to accommodate these possible extra costs.

This report has been prepared for the Project as described earlier, to assist the engineer in the design of this project. In the event any changes in the design or location of the facilities are planned, or if any variations or undesirable conditions are encountered during construction, our findings and recommendations shall not be considered valid unless the changes or variations are reviewed and our recommendations modified or approved by us in writing.

This report is issued with the understanding that it is the designer's responsibility to ensure that the information and recommendations contained herein are incorporated into the project and that necessary steps are also taken to see that the recommendations are carried out in the field.

The findings in this report are valid as of the present date. However, changes in the soil conditions can occur with the passage of time, whether they are due to natural processes or to the works of man, on this or adjacent properties. In addition, changes in applicable or appropriate standards occur, whether they result from legislation or from the broadening of knowledge. Accordingly, the findings in this report might be invalidated, wholly or partially, by changes outside of our control.

Very truly yours,
PARIKH CONSULTANTS, INC.

Alston Lam, P.E., G.E. 2605
Project Engineer

Gary Parikh, P.E., G.E. 666
Project Manager

S: Ongoing Projects\2010\210143\Kings Beach Commercial Core Improvement Project GDMR (4-2012).rpt

REFERENCES

1. Western Regional Climate Center/Educational and Travel Pages/Average Temperatures/Northern California/Fairfield (www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8758).

2. 2007 Caltrans Deterministic PGA Map Fault Identification Numbers (FID), September 2007.

3. Caltrans Department of Transportation, 2010 Edition, Soil & Rock Logging, Classification, and Presentation Manual, Office of Structural Foundations California Department of Transportation.

4. "Geologic Map of the Lake Tahoe basin, California and Nevada" (Saucedo, G.J., California Geological Survey, 2005).

5. California Department of Transportation, Highway Design Manual, fifth edition, July 2008.

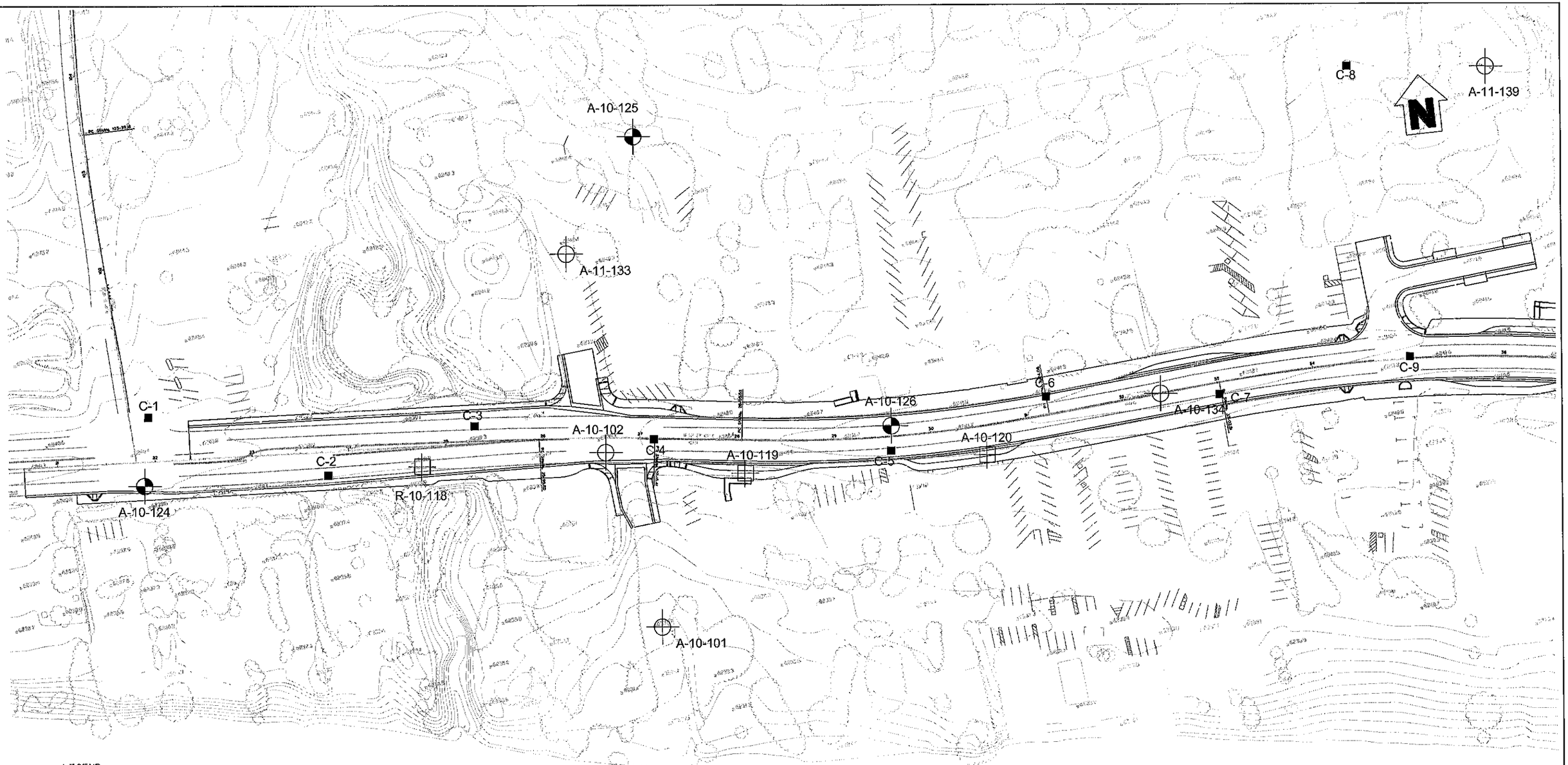
6. California Department of Transportation, May 2006, Standard Specifications, Sections 1 through 95.

PROJECT LOCATION MAP

PARIKH CONSULTANTS, INC.
GEOTECHNICAL CONSULTANTS
MATERIALS TESTING

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-10	PLATE NO.: 1



LEGEND

- RETAINING WALL BORINGS
- STORM WATER SYSTEM BORINGS
- PAVEMENT BORINGS
- PAVEMENT CORES
- RIGHT OF WAY LINE / PARCEL BOUNDARY
- EXISTING UTILITIES

BENCH MARK:
Horizontal Datum: California State Plane Coordinate System Zone II Nad83(1991.35) ca hpgn.
Vertical Datum: Navd88 based on bench mark 'h-181' elev: 6243.31
A survey disk that was located at the top of an exposed granite Boulder that projects 0.5' above ground on the grounds of the Old Brockway golf course in Kings Beach, approximately 133 feet North of the centerline of state route 28 and approximately 89 feet west of the centerline of Bassie Ave.

SITE PLAN

SCALE 1 inch = 100 feet

Note: All units are in feet unless otherwise specified
Reference Map was provided by Dokken Engineering

PARIKH CONSULTANTS, INC.
GEOTECHNICAL CONSULTANTS
MATERIALS ENGINEERING

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-010 | PLATE NO: 2A

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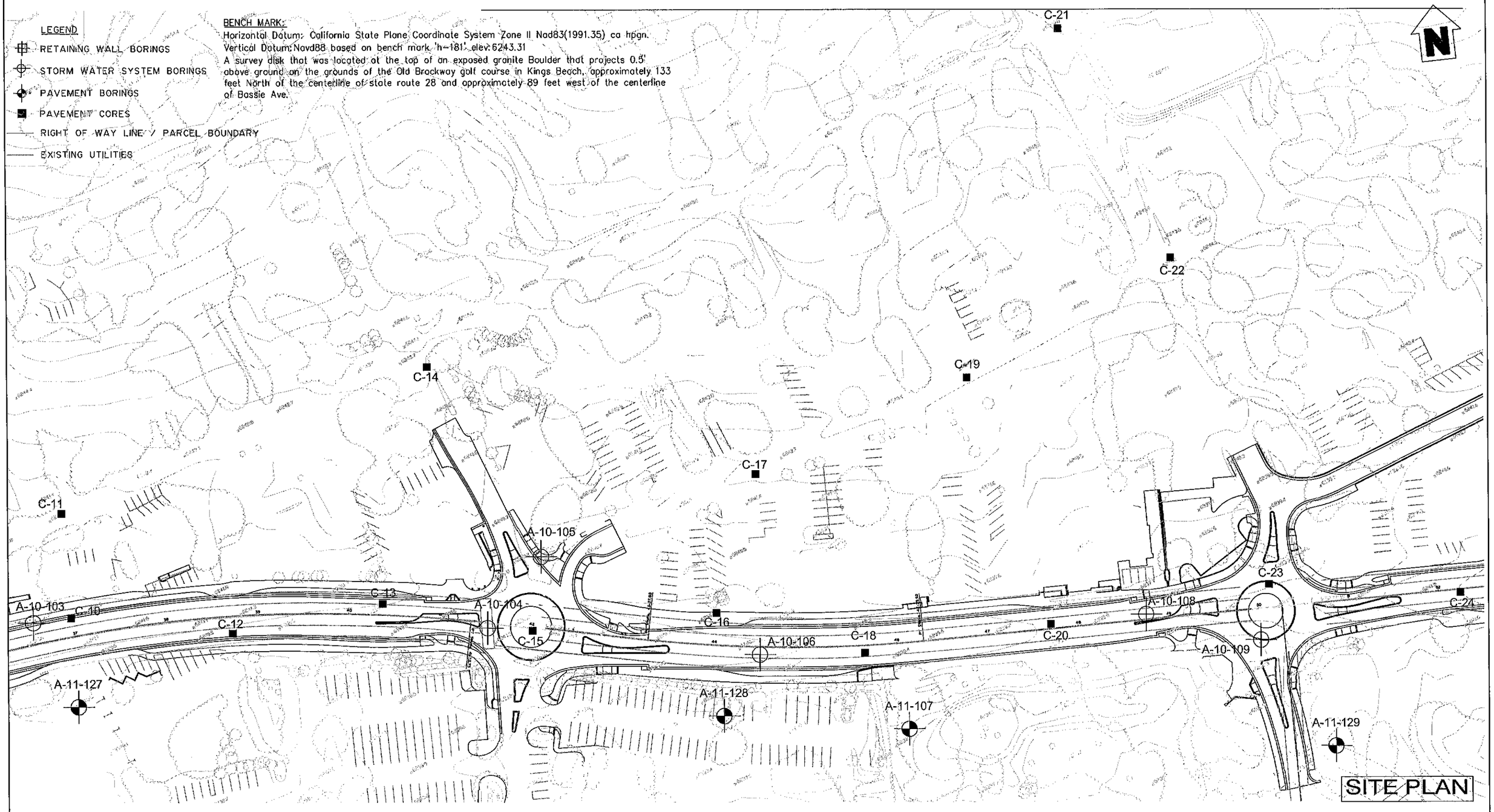
SEE PLATE 2E

LEGEND

- RETAINING WALL BORINGS
- STORM WATER SYSTEM BORINGS
- PAVEMENT BORINGS
- PAVEMENT CORES
- RIGHT OF WAY LINE / PARCEL BOUNDARY
- EXISTING UTILITIES

BENCH MARK:
Horizontal Datum: California State Plane Coordinate System Zone II Nad83(1991.35) ca hpgn.
Vertical Datum: Navd88 based on bench mark 'h-181' elev: 6243.31
A survey disk that was located at the top of an exposed granite Boulder that projects 0.5' above ground on the grounds of the Old Brockway golf course in Kings Beach,, approximately 133 feet North of the centerline of state route 28 and approximately 89 feet west of the centerline of Bassie Ave.



SITE PLAN

SCALE 1 inch = 100 feet

Note: All units are in feet unless otherwise specified
Reference Map was provided by Dokken Engineering

PARIKH CONSULTANTS, INC.
GEOTECHNICAL CONSULTANTS
MATERIALS ENGINEERING

KING BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-010 | PLATE NO: 2B

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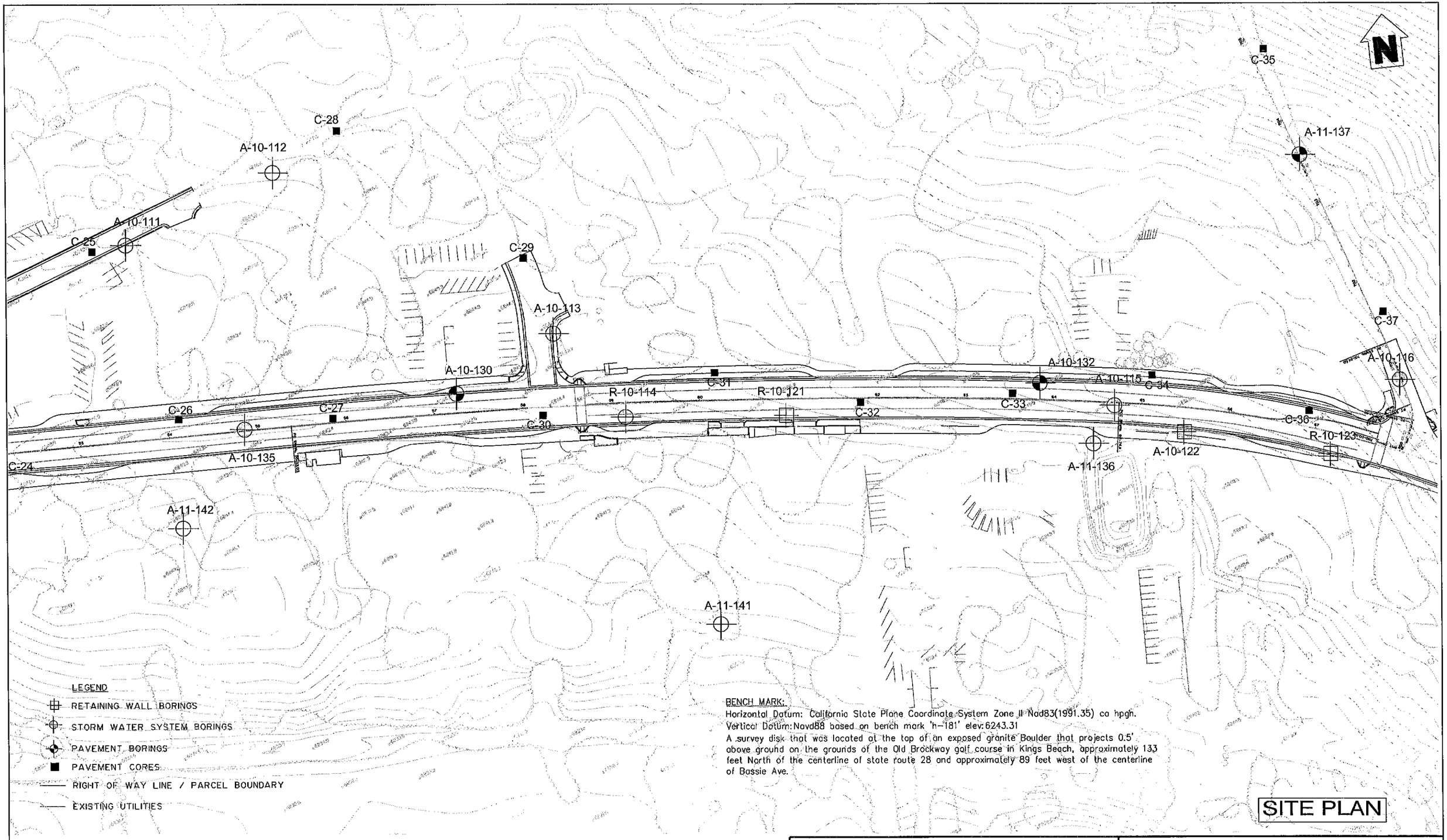

SCALE 1 inch = 100 feet

Note: All units are in feet unless otherwise specified
Reference Map was provided by Dokken Engineering

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KING BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-010 | PLATE NO: 2C

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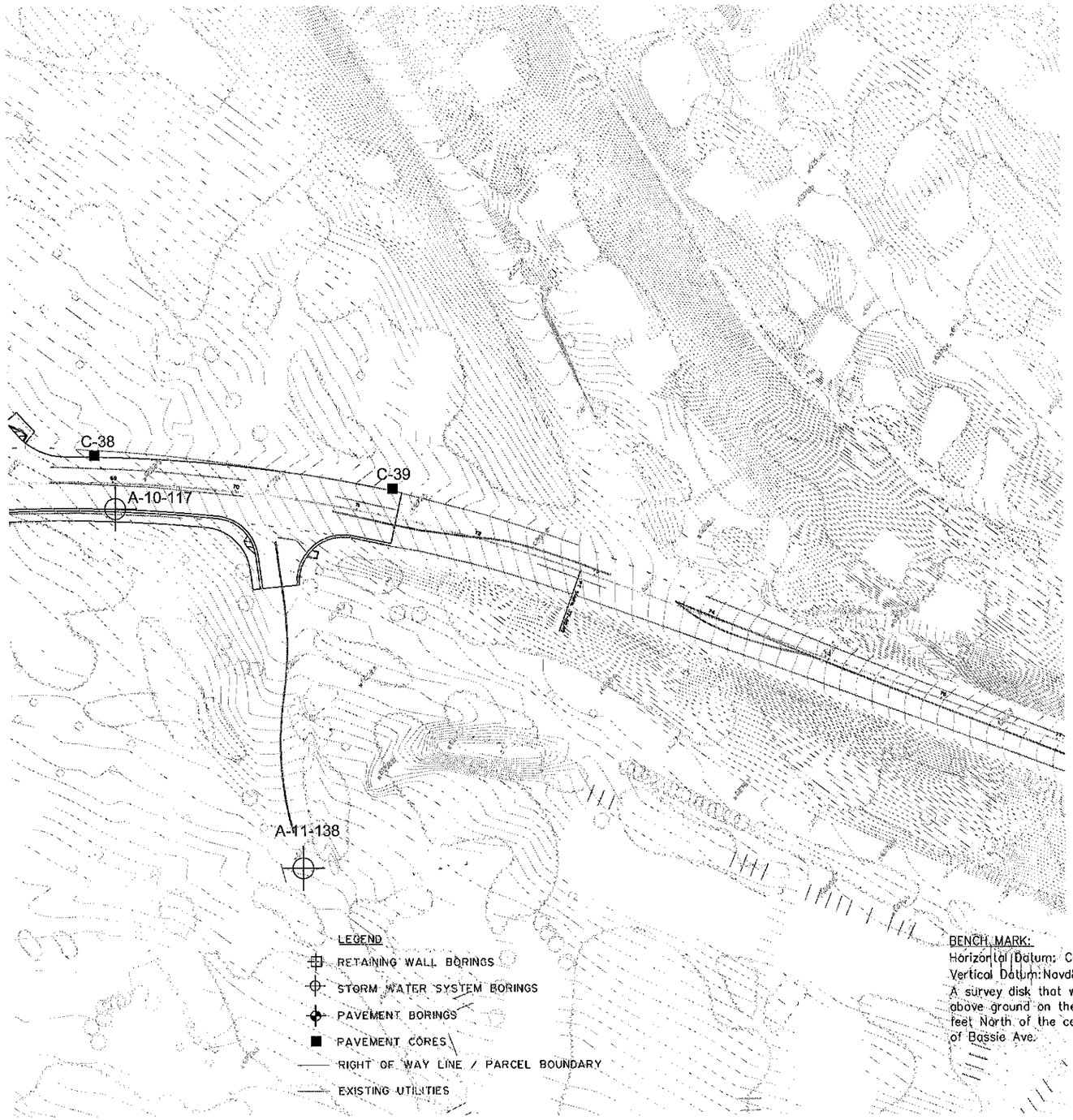

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LEGEND

- RETAINING WALL BORINGS
- STORM WATER SYSTEM BORINGS
- PAVEMENT BORINGS
- PAVEMENT CORES
- RIGHT OF WAY LINE / PARCEL BOUNDARY
- EXISTING UTILITIES

BENCH MARK:
Horizontal Datum: California State Plane Coordinate System Zone II Nad83(1991.35) ca hpgn.
Vertical Datum: Navd88 based on bench mark 'h-181' elev: 6243.31
A survey disk that was located at the top of an exposed granite Boulder that projects 0.5' above ground on the grounds of the Old Brockway golf course in Kings Beach, approximately 133 feet North of the centerline of state route 28 and approximately 89 feet west of the centerline of Bassie Ave.

SITE PLAN

SCALE 1 inch = 100 feet

Note: All units are in feet unless otherwise specified
Reference Map was provided by Dokken Engineering

PARIKH CONSULTANTS, INC.
GEOTECHNICAL CONSULTANTS
MATERIALS ENGINEERING

KING BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-010 | PLATE NO: 2D

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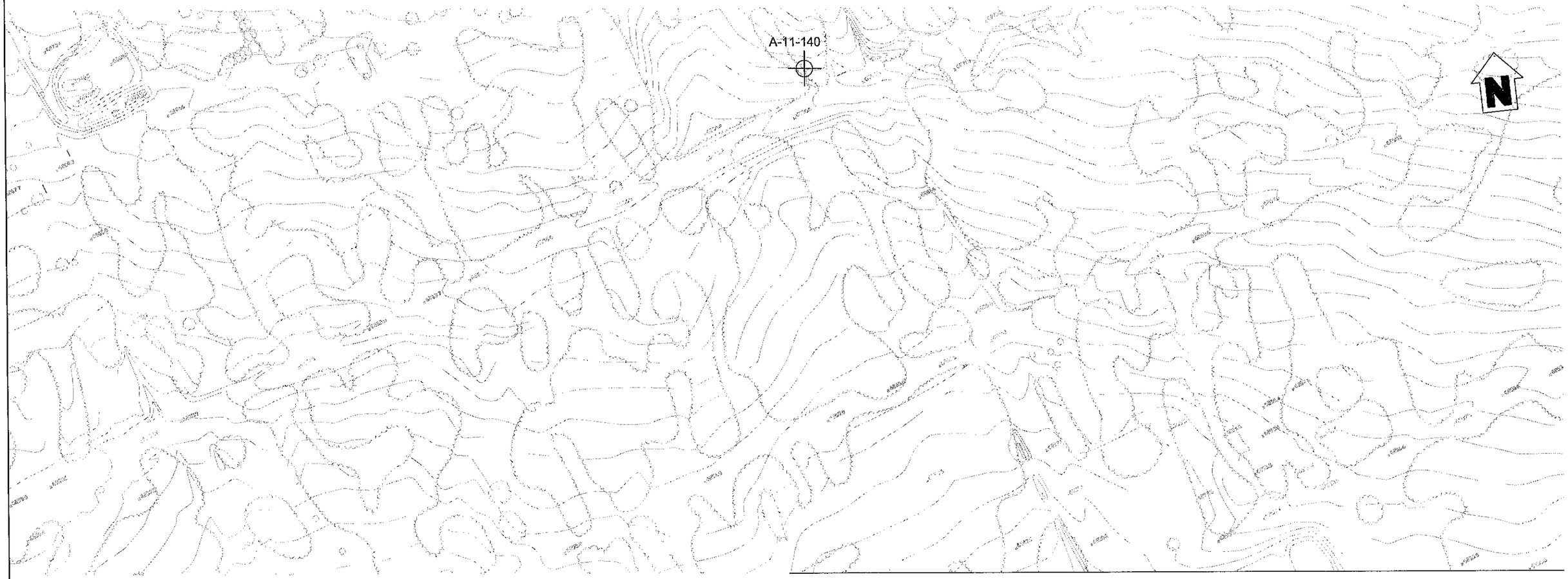

SEE PLATE 2B

BENCH MARK:
Horizontal Datum: California State Plane Coordinate System Zone II Nad83(1991.35) ca hpgn.
Vertical Datum: Navd88 based on bench mark 'h--181' elev: 6243.31
A survey disk that was located at the top of an exposed granite Boulder that projects 0.5' above ground on the grounds of the Old Brockway golf course in Kings Beach, approximately 133 feet North of the centerline of state route 28 and approximately 89 feet west of the centerline of Bassie Ave.

SITE PLAN

SCALE 1 inch = 100 feet

Note: All units are in feet unless otherwise specified
Reference Map was provided by Dokken Engineering

PARIKH CONSULTANTS, INC.
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KING BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-010 | PLATE NO: 2E

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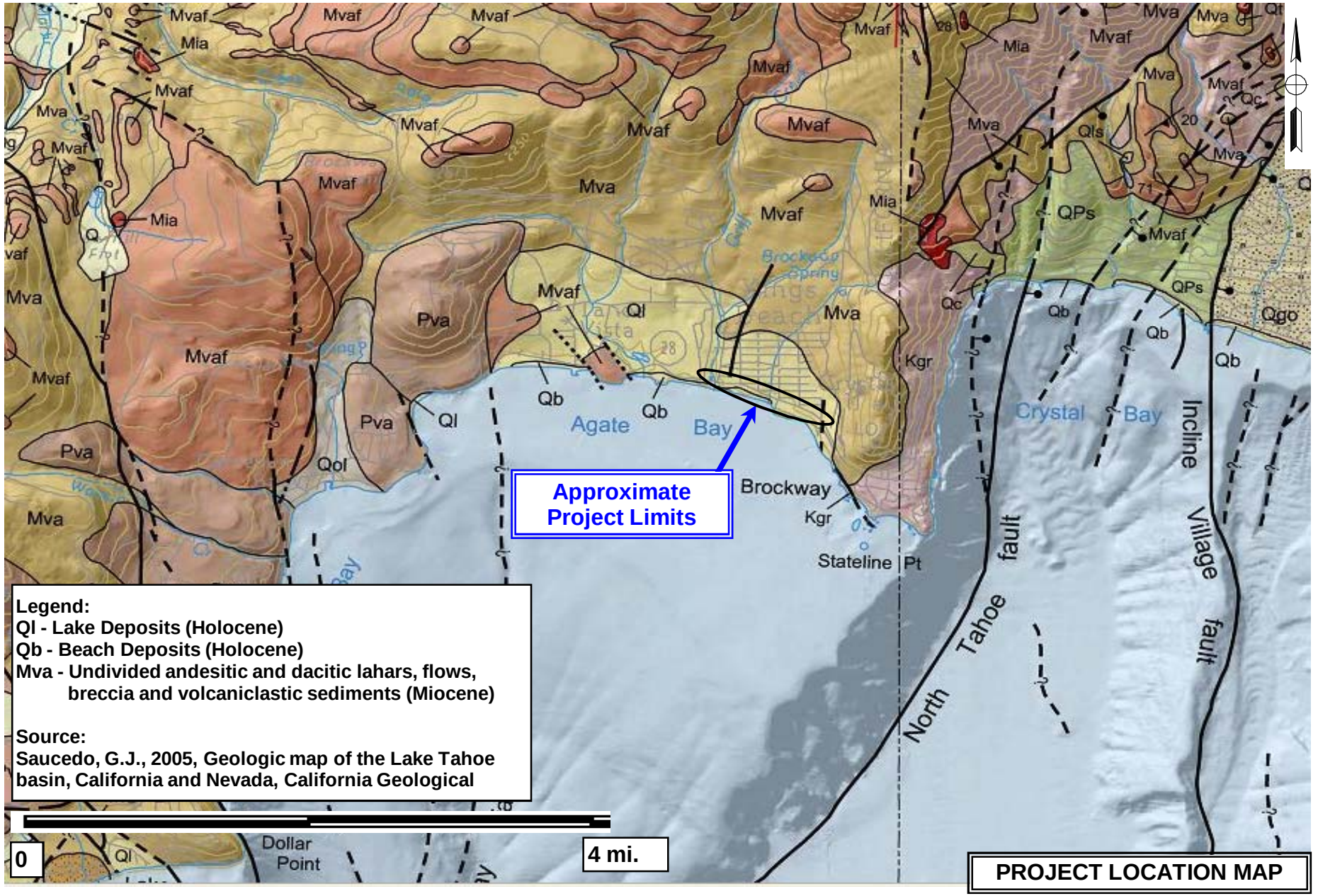

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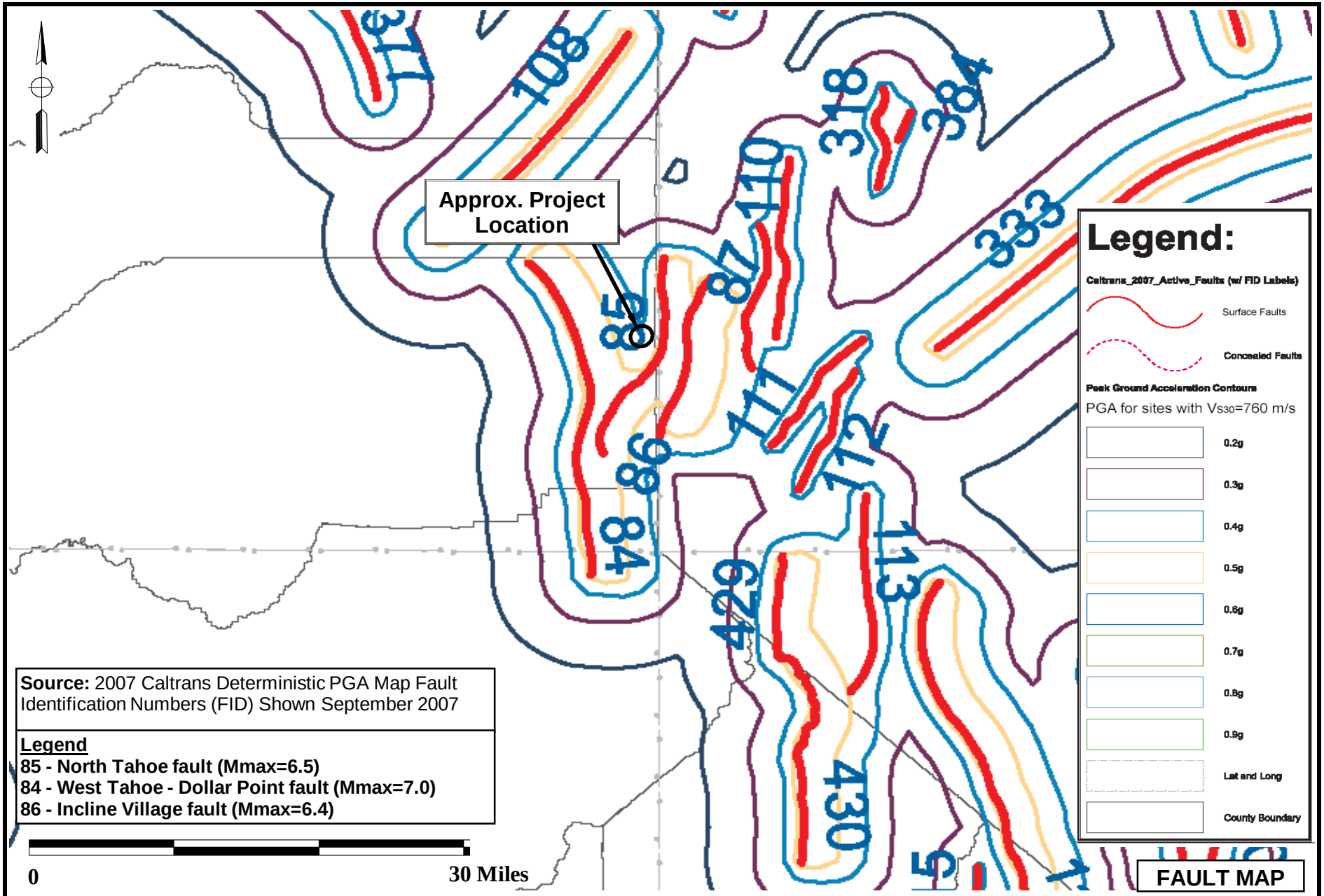
MATERIALS TESTING

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-10	PLATE NO.: 3



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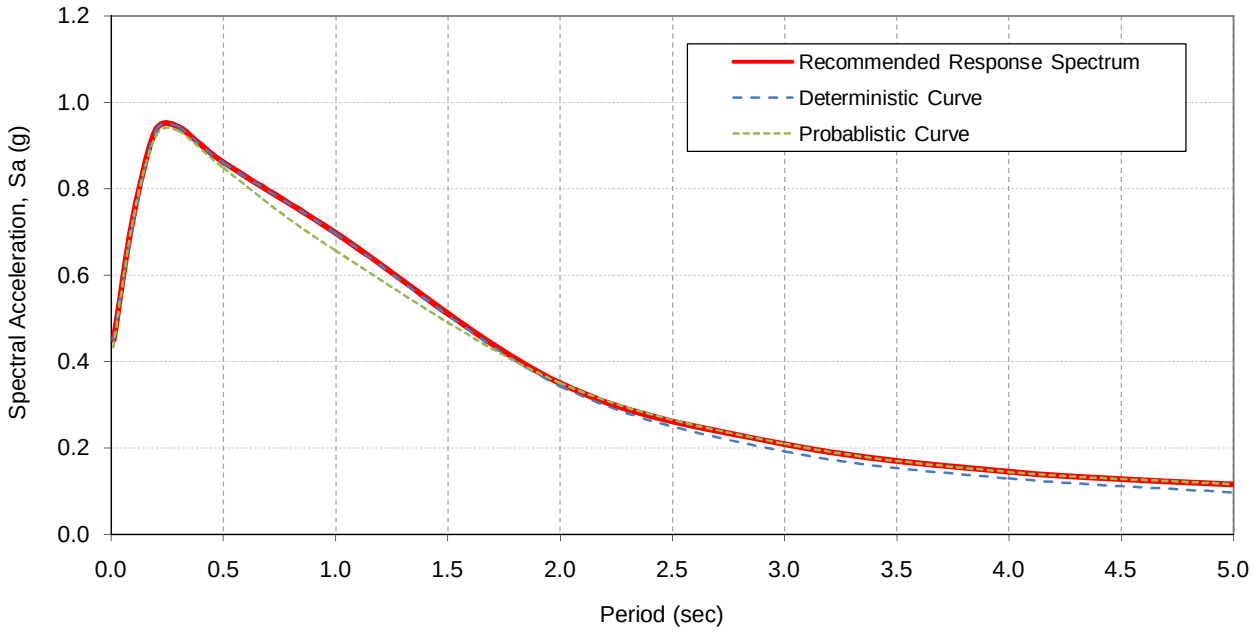
MATERIALS TESTING

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

JOB NO.: 2010-143-10	PLATE NO.: 4

RECOMMENDED ARS CURVE

(Envelope of Deterministic & Probablistic Curves)



Site Information

Latitude:	39.2335
Longitude	-120.0163
V_{S30} (m/s) =	280
$Z_{1.0}$ (m) =	N/A
$Z_{2.5}$ (km) =	N/A
Near Fault Factor, Derived from USGS Deagg. Dist (km) =	4

Recommended Response Spectrum

Period (sec)	SA Base Spectrum (g)	Adjusted for Near Fault Effect	Adjusted For Basin Effect	Final Adjusted Spectral Acceleration (g)
0.0	0.450	1.000	1.000	0.450
0.1	0.738	1.000	1.000	0.738
0.2	0.936	1.000	1.000	0.936
0.3	0.943	1.000	1.000	0.943
0.5	0.860	1.000	1.000	0.860
1.0	0.581	1.200	1.000	0.697
2.0	0.291	1.200	1.000	0.349
3.0	0.174	1.200	1.000	0.209
4.0	0.120	1.200	1.000	0.144
5.0	0.096	1.200	1.000	0.115

Governing Curve:

Envelope of:

(1) Envelope of (1) West Tahoe - Dollar Point fault (Fault ID: 84, Fault Type: N); (2) North Tahoe fault (Fault ID: 85, Fault Type: N)

(2) Caltrans ARS Online Probablistic Curve

Source:

1. Caltrans ARS Online tool (V.1.0.4, http://dap3.dot.ca.gov/shake_stable/)
2. USGS Deaggregation 2008 beta (http://eqint.cr.usgs.gov/deaggint/2008/index.php)
3. Caltrans Geotechnical Services Design Manual (Version 1.0)

Note:

Refer to "Probablistic Response Spectum Spreadsheet" (attached) for development of the recommended ARS curve.

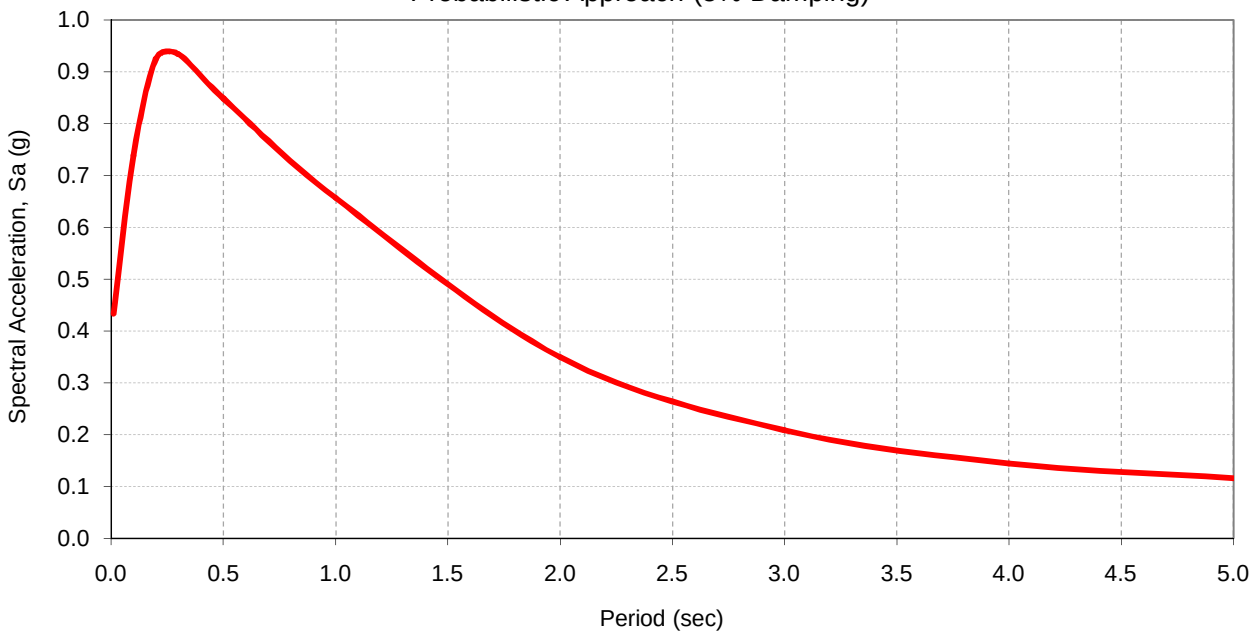
PARIKH CONSULTANTS, INC.
GEOTECHNICAL ENGINEERING
MATERIALS TESTING

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

Project No.: 2010-143-10 | **Plate No.: 5A**

ARS CURVE

Probabilistic Approach (5% Damping)



Site Information

Latitude:	39.2335
Longitude	-120.0163
V_{S30} (m/s) =	280
$Z_{1.0}$ (m) =	N/A
$Z_{2.5}$ (km) =	N/A
Near Fault Factor, Derived from USGS Deagg. Dist (km) =	4

Governing Curve:

Caltrans ARS Online Probablistic Curve

Recommended Response Spectrum

Period (sec)	Caltrans Online Spectral Acceleration (g)	Adjusted for Near Fault Effect	Adjusted For Basin Effect	Final Adjusted Spectral Acceleration (g)
0.0	0.433	1.000	1.000	0.433
0.1	0.738	1.000	1.000	0.738
0.2	0.924	1.000	1.000	0.924
0.3	0.934	1.000	1.000	0.934
0.5	0.848	1.000	1.000	0.848
1.0	0.547	1.200	1.000	0.656
2.0	0.291	1.200	1.000	0.349
3.0	0.174	1.200	1.000	0.209
4.0	0.12	1.200	1.000	0.144
5.0	0.096	1.200	1.000	0.115

Source:

1. Caltrans ARS Online tool (V.1.0.4, http://dap3.dot.ca.gov/shake_stable/)
2. USGS Deaggregation 2008 beta (http://eqint.cr.usgs.gov/deaggint/2008/index.php)
3. Caltrans Geotechnical Services Design Manual (Version 1.0)

Note:

Refer to "Probablistic Response Spectum Spreadsheet" (attached) for development of the recommended ARS curve.

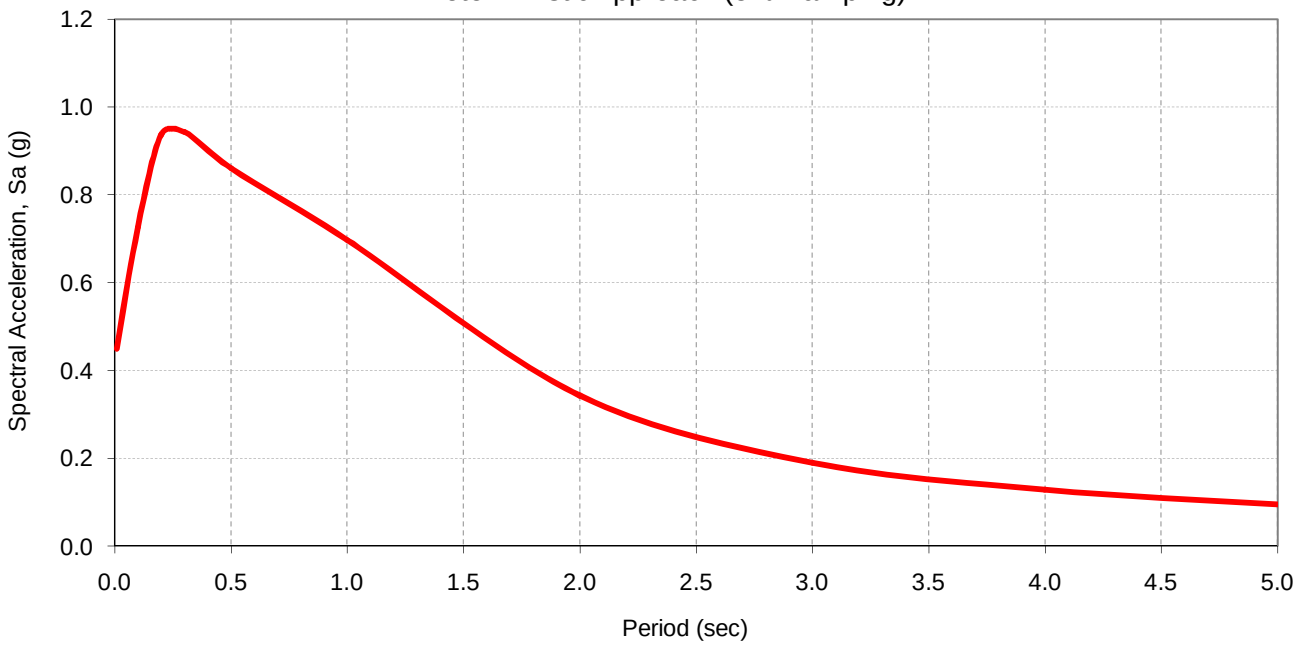
PARIKH CONSULTANTS, INC.
GEOTECHNICAL ENGINEERING
MATERIALS TESTING

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

Project No.: 2010-143-10 | **Plate No.: 5B**

ARS CURVE

Deterministic Approach (5% Damping)



Site Information

Latitude:	39.2335
Longitude	-120.0163
V_{S30} (m/s) =	280
$Z_{1.0}$ (m) =	N/A
$Z_{2.5}$ (km) =	N/A
Near Fault Factor, Derived from USGS Deagg. Dist (km) =	4

Governing Curve:

Envelope of (1) West Tahoe - Dollar Point fault (Fault ID: 84, Fault Type: N); (2) North Tahoe fault (Fault ID: 85, Fault Type: N)

Recommended Response Spectrum

Period (sec)	SA Base Spectrum (g)	Adjusted for Basin Effect	Adjusted For Near Fault Effect	Final Adjusted Spectral Acceleration (g)
0.0	0.45	1	1	0.450
0.1	0.726	1	1	0.726
0.2	0.936	1	1	0.936
0.3	0.943	1	1	0.943
0.5	0.86	1	1	0.860
1.0	0.581	1	1.2	0.697
2.0	0.286	1	1.2	0.343
3.0	0.159	1	1.2	0.191
4.0	0.107	1	1.2	0.128
5.0	0.08	1	1.2	0.096

Source:

1. Caltrans ARS Online tool (V.1.0.4, http://dap3.dot.ca.gov/shake_stable/)
2. USGS Deaggregation 2008 beta (http://eqint.cr.usgs.gov/deaggint/2008/index.php)
3. Caltrans Geotechnical Services Design Manual (Version 1.0)

Note:

Refer to "Probablistic Response Spectum Spreadsheet" (attached) for development of the recommended ARS curve.

APPENDIX A

APPENDIX A

FIELD EXPLORATION

The test borings were advanced with a truck-mounted drill rig using 8-inch diameter hollow-stem auger and 5-inch diameter rotary wash drilling method. Selected drive samples were obtained from the borings at various depths using a 2.5 inches I.D. Modified California Sampler or a 1.375 inches I.D. Standard Penetration Sampler (ASTM Test Method No. 1586). The sampler was driven into the subsurface soils under the impact of a 140 pounds hammer having a free fall of 30 inches. The blow counts required to drive the sampler for the last 12 inches are presented on the boring logs in the Log of Test Borings (LOTB), Appendix A. (When correlating standard penetration data, the blow counts for the Modified California Sampler can be taken as roughly twice that for the Standard Penetration Test in similar soils). Pocket penetration tests were also performed on clay samples to evaluate their consistency. The borings were drilled under the technical supervision of our engineer, who visually classified in the field (according to the Unified Soil Classification System) and logged the soils encountered during drilling. The engineer supervised the collection and transportation of soil samples at various depths for visual examination and laboratory testing. Upon completion of drilling, all the borings were backfilled with cement grout and grouted to the ground surface.

The descriptions of the soils encountered and relevant boring information are presented on the boring logs in the LOTB in Appendix A. The logs presented in Appendix A were prepared from the field logs which were edited after visual re-examination of the soil samples in the laboratory and results of classification tests on selected soil samples as indicated on the logs.

The descriptions and related information presented on the boring logs in the LOTB depict subsurface conditions only at the locations indicated on the plan and on the particular date noted on the logs. Because of the variability from place to place within soil/rock in general, subsurface conditions at other locations may differ from conditions occurring at the locations explored. The abrupt stratum changes shown on the logs may be gradational and relatively minor changes in soil types within a stratum may not be noted on the logs due to field limitations. Also, the passage of time may result in a change in the soil conditions at these locations due to environmental changes.

APPENDIX A

LIST OF LOG OF TEST BORINGS

Plate A-1 - A-10-124 and A-10-125

Plate A-2 - R-10-118 and A-11-133

Plate A-3 - A-10-102 and A-11-101

Plate A-4 - A-10-119 and A-10-120

Plate A-5 - A-10-134 and A-11-139

Plate A-6 - A-10-103 and A-11-127

Plate A-7 - A-10-104 and A-10-105

Plate A-8 - A-11-128 and A-10-106

Plate A-9 - A-11-107 and A-10-108

Plate A-10 - A-10-109 and A-11-129

Plate A-11 - A-10-111 and A-10-112

Plate A-12 - A-11-142 and A-10-135

Plate A-13 - A-10-113 and R-10-114

Plate A-14 - A-11-141 and R-10-121

Plate A-15 - A-10-132 and A-10-115

Plate A-16 - A-11-136 and A-10-122

Plate A-17 - A-11-137 and R-10-123

Plate A-18 - A-10-116 and R-10-117

Plate A-19 - A-11-140

Plate A-20 - A-11-138

REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (2010)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	____	____

GEOTECHNICAL PROFESSIONAL DATE

4/25/12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 — GEOTECHNICAL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS
7717 North Lake Blvd.
Kings Beach, CA. 96143

PARIKH CONSULTANTS, INC.
2360 QUME DRIVE, SUITE A
SAN JOSE, CA 95131

CEMENTATION

Description	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

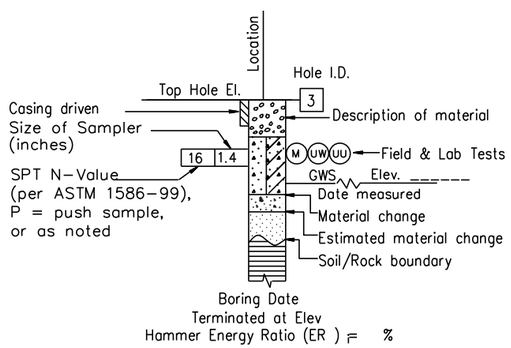
BOREHOLE IDENTIFICATION

Symbol	Hole Type	Description
Size	A	Auger Boring (hollow or solid stem bucket)
Size	R RW RC P	Rotary drilled boring (conventional) Rotary drilled with self–casing wire–line Rotary core with continuously–sampled, self–casing wire–line Rotary percussion boring (air)
Size	R	Rotary drilled diamond core
Size	HD HA	Hand driven (1–inch soil tube) Hand Auger
	D	Dynamic Cone Penetration Boring
	CPT	Cone Penetration Test (ASTM D 5778)
	O	Other (note on LOTB)

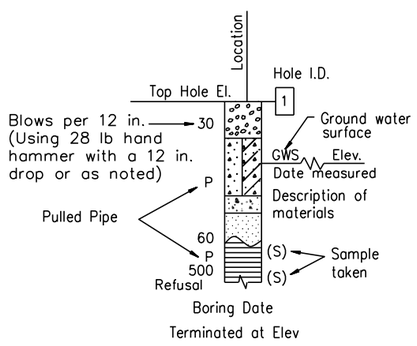
Note: Size in inches.

CONSISTENCY OF COHESIVE SOILS

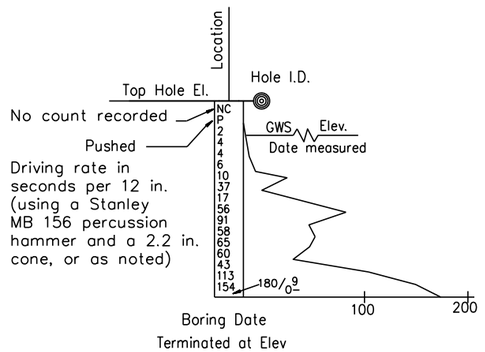
Description	Shear Strength (tsf)	Pocket Penetrometer Measurement, PP, (tsf)	Torvane Measurement, TV, (tsf)	Vane Shear Measurement, VS, (tsf)
Very Soft	Less than 0.12	Less than 0.25	Less than 0.12	Less than 0.12
Soft	0.12 – 0.25	0.25 – 0.5	0.12 – 0.25	0.12 – 0.25
Medium Stiff	0.25 – 0.5	0.5 – 1	0.25 – 0.5	0.25 – 0.5
Stiff	0.5 – 1	1 – 2	0.5 – 1	0.5 – 1
Very Stiff	1 – 2	2 – 4	1 – 2	1 – 2
Hard	Greater than 2	Greater than 4	Greater than 2	Greater than 2



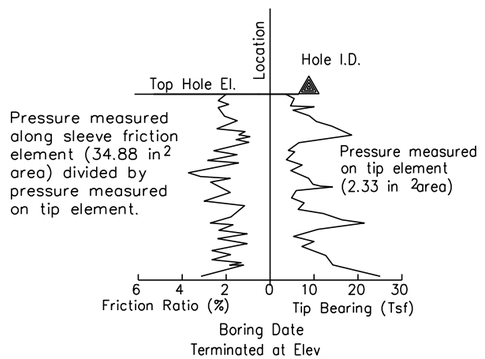
ROTARY BORING



HAND BORING



DYNAMIC CONE PENETRATION BORING



CONE PENETRATION TEST (CPT) BORING

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010		PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA : 03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
X											

May 01, 2012 - 9:54am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg

Ajackson

REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (2010)

GROUP SYMBOLS AND NAMES

Graphic/Symbol	Group Names	Graphic/Symbol	Group Names
GW	Well-graded GRAVEL Well-graded GRAVEL with SAND	CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
GP	Poorly-graded GRAVEL Poorly-graded GRAVEL with SAND		
GW-GM	Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND	CL-ML	SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
GW-GC	Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
GP-GM	Poorly-graded GRAVEL with SILT Poorly-graded GRAVEL with SILT and SAND	ML	SILT SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
GP-GC	Poorly-graded GRAVEL with CLAY (or SILTY CLAY) Poorly-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
GM	SILTY GRAVEL SILTY GRAVEL with SAND	OL	ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
GC	CLAYEY GRAVEL CLAYEY GRAVEL with SAND		
GC-GM	SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND	OL	ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
SW	Well-graded SAND Well-graded SAND with GRAVEL		
SP	Poorly-graded SAND Poorly-graded SAND with GRAVEL	CH	Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL		
SW-SC	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)	MH	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
SP-SM	Poorly-graded SAND with SILT Poorly-graded SAND with SILT and GRAVEL		
SP-SC	Poorly-graded SAND with CLAY (or SILTY CLAY) Poorly-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)	OH	ORGANIC fat CLAY ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
SM	SILTY SAND SILTY SAND with GRAVEL		
SC	CLAYEY SAND CLAYEY SAND with GRAVEL	OH	ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY ORGANIC elastic SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
SC-SM	SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL		
PT	PEAT	OL/OH	ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	COBBLES COBBLES and BOULDERS BOULDERS		

FIELD AND LABORATORY TESTING

- (C) Consolidation (ASTM D 2435)
- (CL) Collapse Potential (ASTM D 5333)
- (CP) Compaction Curve (CTM 216)
- (CR) Corrosivity Testing (CTM 643, CTM 422, CTM 417)
- (CU) Consolidated Undrained Triaxial (ASTM D 4767)
- (DS) Direct Shear (ASTM D 3080)
- (EI) Expansion Index (ASTM D 4829)
- (M) Moisture Content (ASTM D 2216)
- (OC) Organic Content-% (ASTM D 2974)
- (P) Permeability (CTM 220)
- (PA) Particle Size Analysis (ASTM D 422)
- (PI) Plasticity Index (AASHTO T 90) Liquid Limit (AASHTO T 89)
- (PL) Point Load Index (ASTM D 5731)
- (PM) Pressure Meter
- (R) R-Value (CTM 301)
- (SE) Sand Equivalent (CTM 217)
- (SG) Specific Gravity (AASHTO T 100)
- (SL) Shrinkage Limit (ASTM D 427)
- (SW) Swell Potential (ASTM D 4546)
- (UC) Unconfined Compression-Soil (ASTM D 2166) Unconfined Compression-Rock (ASTM D 2938)
- (UU) Unconsolidated Undrained Triaxial (ASTM D 2850)
- (UW) Unit Weight (ASTM D 4767)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2-10.3	----	----

GEOTECHNICAL PROFESSIONAL DATE

4/25/12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 — GEOTECHNICAL — STATE OF CALIFORNIA

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COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS
7717 North Lake Blvd.
Kings Beach, CA. 96143

PARIKH CONSULTANTS, INC.
2360 QUME DRIVE, SUITE A
SAN JOSE, CA 95131

APPARENT DENSITY OF COHESIONLESS SOILS

Description	SPT N_{60} (Blows / 12 in.)
Very Loose	0 – 5
Loose	5 – 10
Medium Dense	10 – 30
Dense	30 – 50
Very Dense	Greater than 50

MOISTURE

Description	Criteria
Dry	No discernable moisture
Moist	Moisture present, but no free water
Wet	Visible free water

PERCENT OR PROPORTION OF SOILS

Description	Criteria
Trace	Particles are present but estimated to be less than 5%
Few	5% – 10%
Little	15% – 25%
Some	30% – 45%
Mostly	50% – 100%

PARTICLE SIZE

Description		Size (in.)
Boulder		Greater than 12
Cobble		3 – 12
Gravel	Coarse	3/4 – 3
	Fine	1/5 – 3/4
Sand	Coarse	1/16 – 1/5
	Medium	1/64 – 1/16
	Fine	1/300 – 1/64
Silt and Clay		Less than 1/300

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER-2010		PROJECT ENGINEER	POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA : 03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
X											

May 01, 2012 - 9:55am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg Ajackson

TIME PLOTTED => $TIME
DATE PLOTTED => $DATE
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

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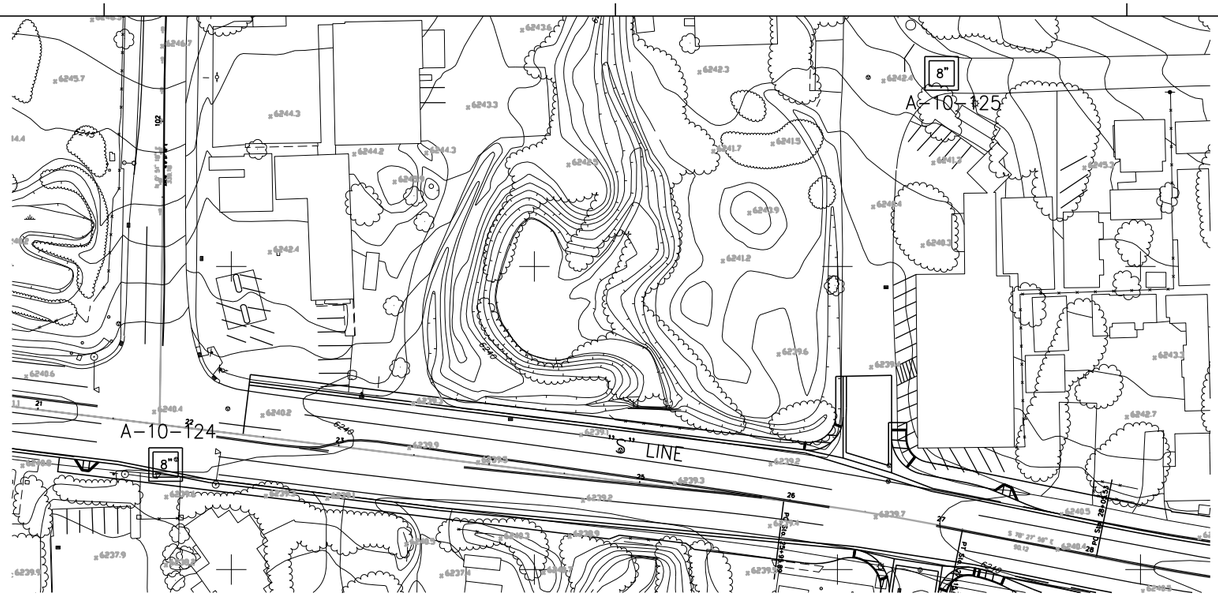
SAN JOSE, CA 96143



PLAN
1"=50'

BENCHMARK :

Horizontal Datum: California State Plane Coordinate System Zone II Nad83 (1991.35)ca hpgn.

Vertical Datum: Navd88 based on bench mark 'h–181' elev: 6243.31. A survey disk that was located at the top of an exposed granite Boulder that projects 0.5' above ground on the grounds of the Old Brockway golf course in Kings Beach, approximately 133 feet North of the centerline of State Route 28 and approximately 89 feet west of the centerline of Bassie Ave.

Notes:
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Modified California Sampler: I.D. = 2.5"; O.D. = 3"
Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

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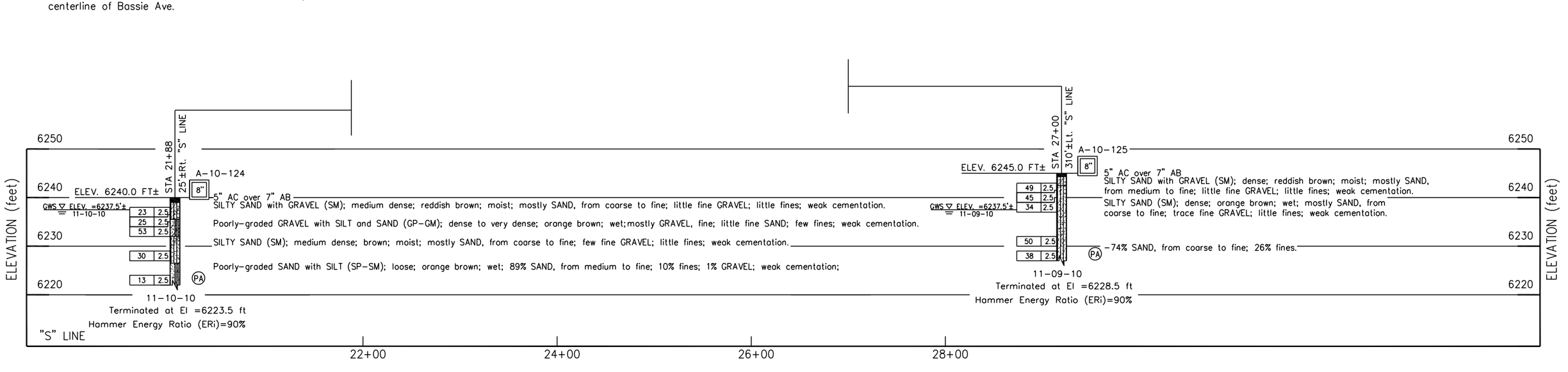
All dimensions are in feet unless otherwise shown



PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010		PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: PROJECT ID:

FILE => $PROJECT

USERNAME => $USER DATE PLOTTED => $DATE TIME PLOTTED => $TIME

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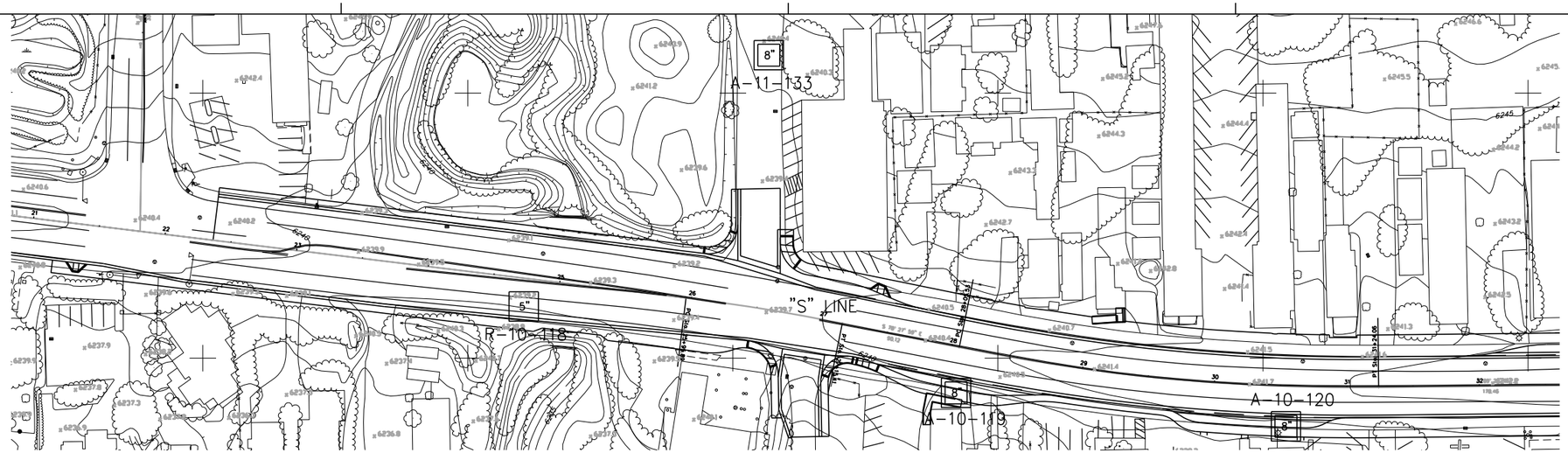

PLAN
1"=50'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
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GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

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7717 North Lake Blvd.
Kings Beach, CA 96145

PARIKH CONSULTANTS, INC.
2360 QUME DRIVE, SUITE A
SAN JOSE, CA 96143

BENCHMARK :

Horizontal Datum: California State Plane Coordinate System Zone II Nad83 (1991.35)ca hpgn.

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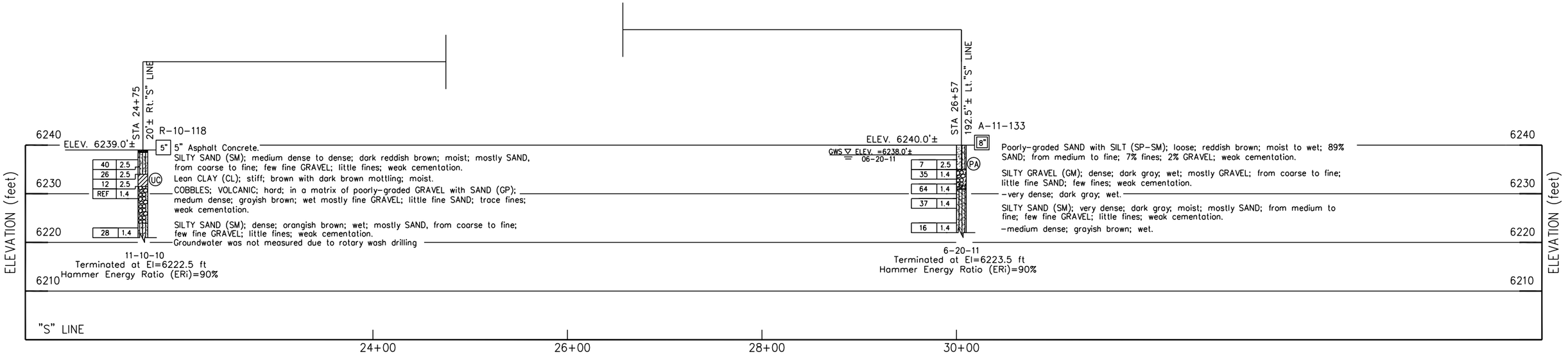

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010		PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

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UNIT: EA :03-0C9301

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REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

May 01, 2012 - 9:57am S:\CAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
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USERNAME => $USER
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
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GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

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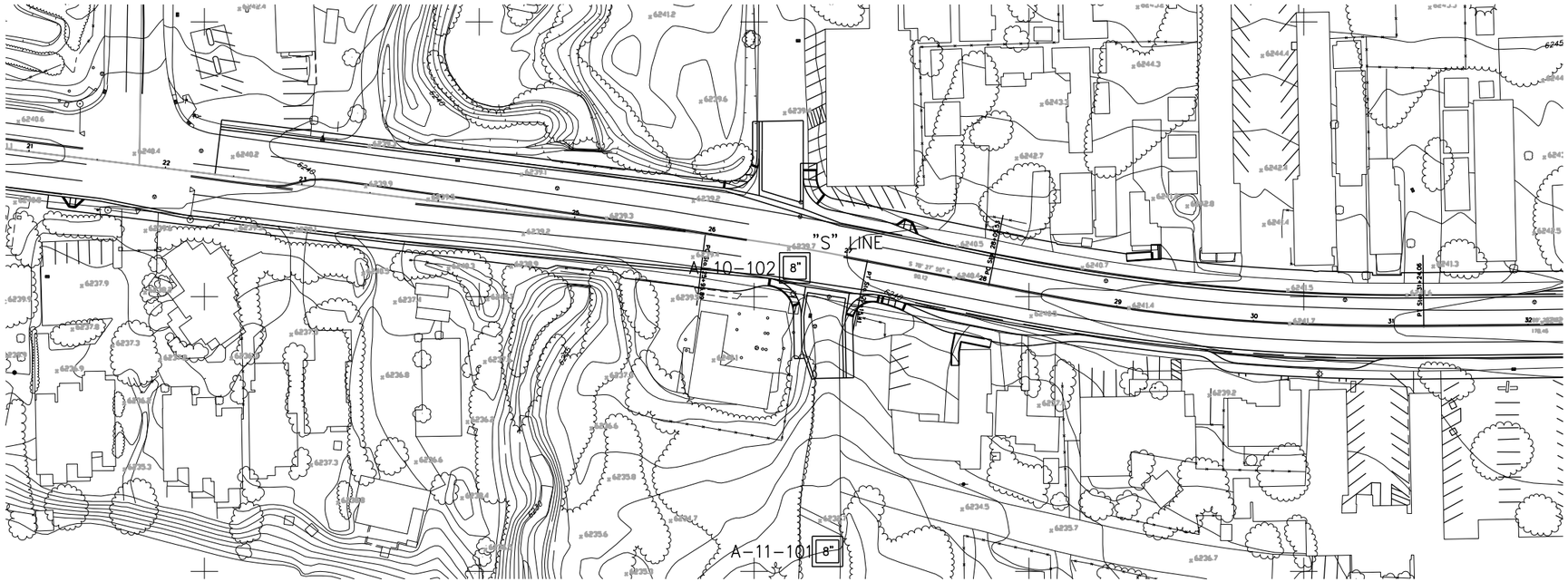

PLAN
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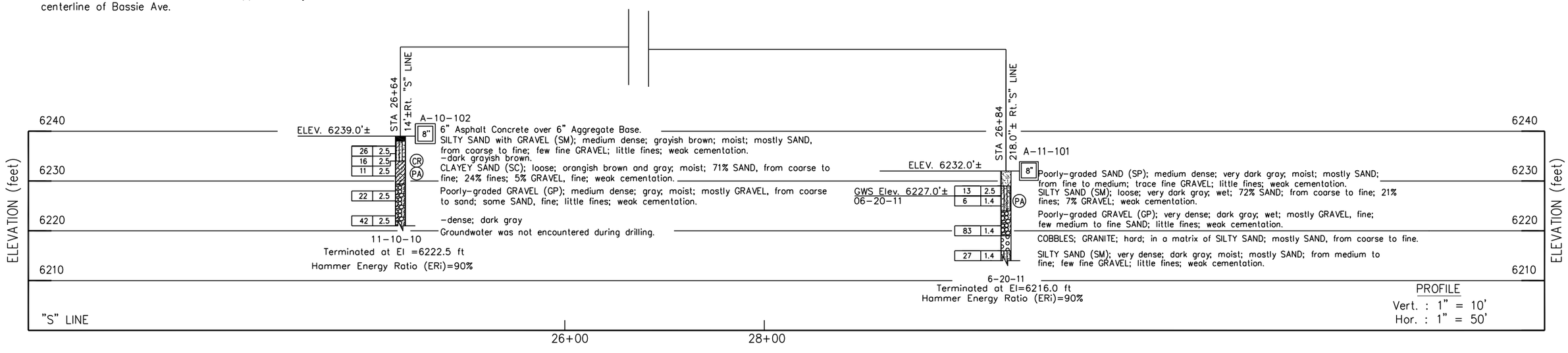

PROFILE
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SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010			PROJECT ENGINEER	POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

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CONTRACT NO: PROJECT ID:

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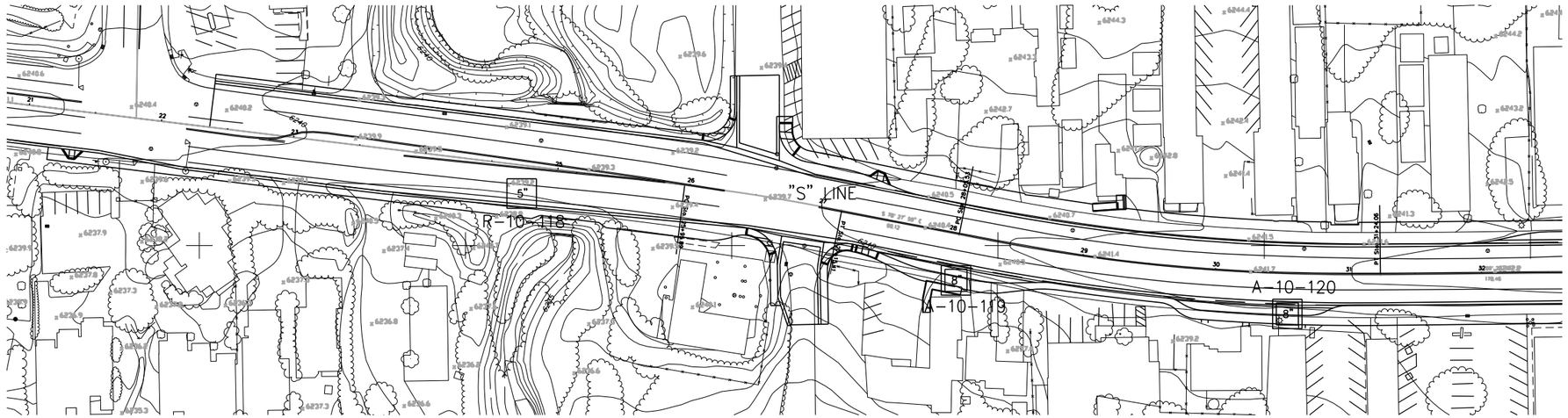

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GARY PARIKH
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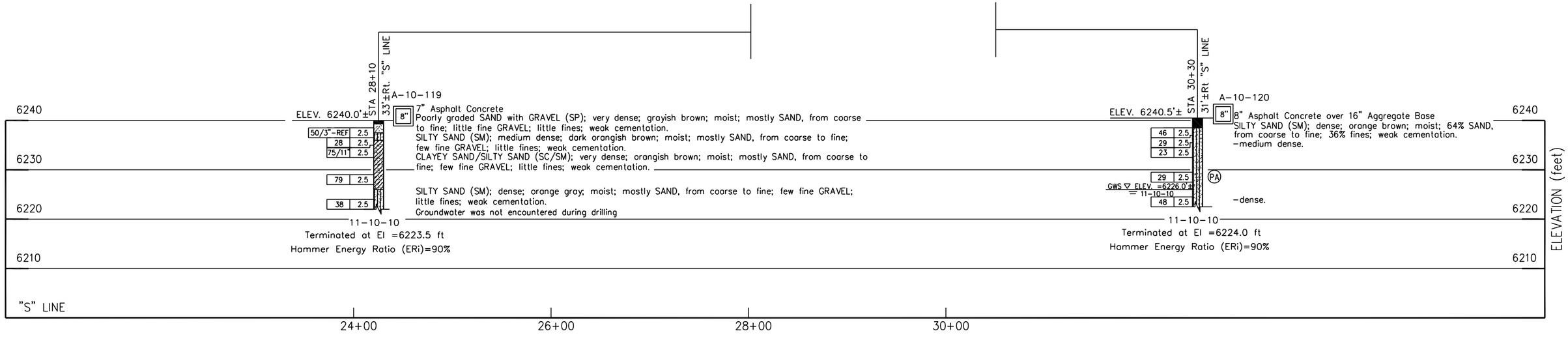

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SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER-2010			PROJECT ENGINEER	POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT:
EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: PROJECT ID:

May 01, 2012 - 9:58am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
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DATE PLOTTED => $DATE
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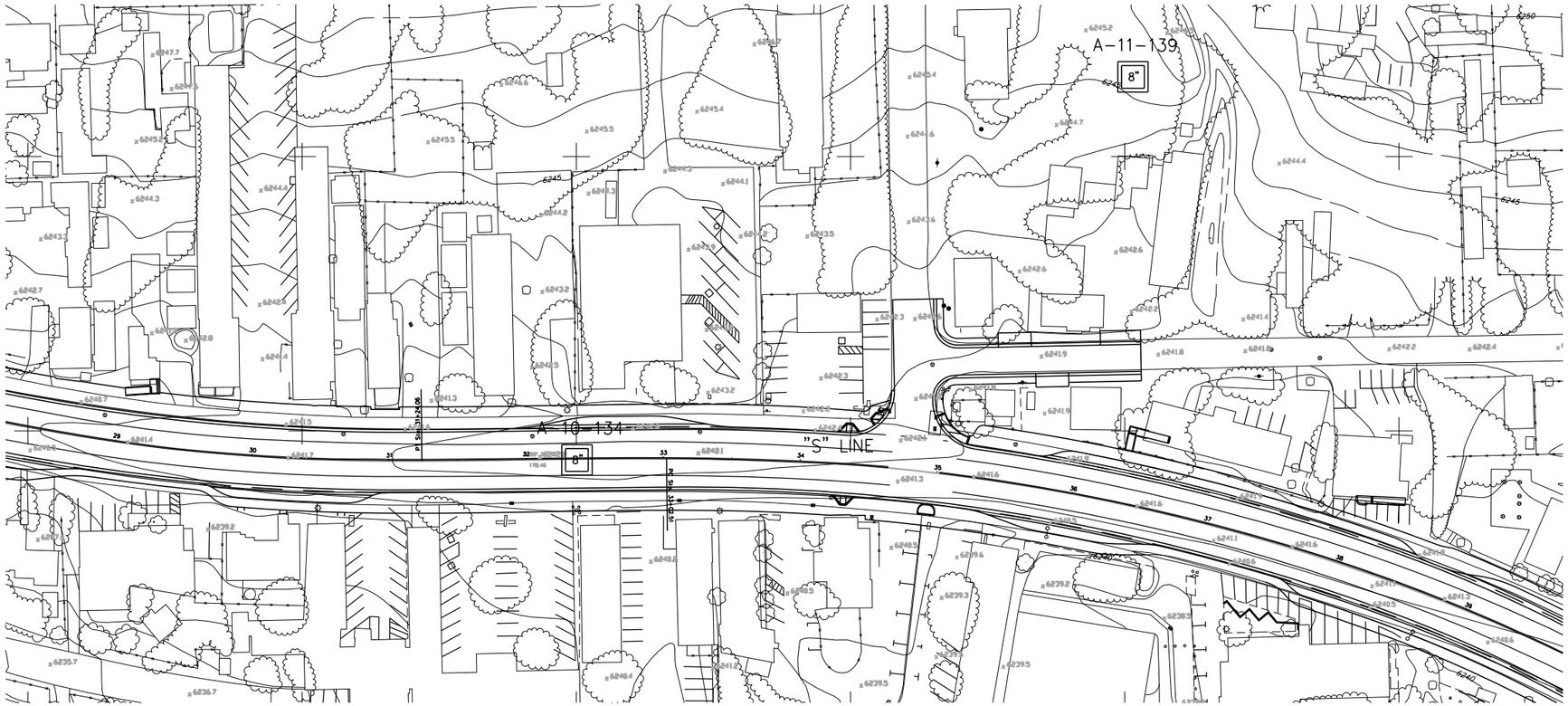

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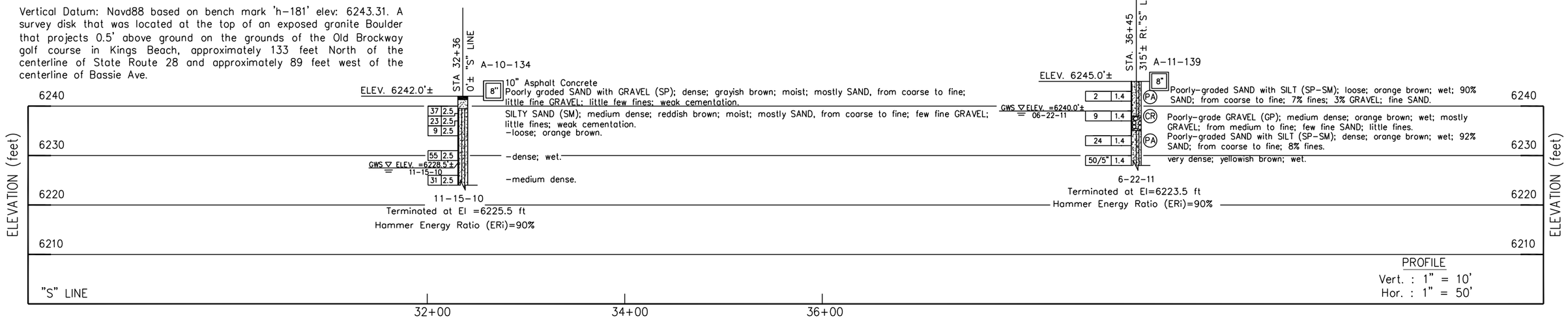

PROFILE
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Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010		PROJECT ENGINEER	POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

May 01, 2012 - 9:59am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg Ajackson

DATE PLOTTED => $DATE TIME PLOTTED => $TIME USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	____	____

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 GEOTECHNICAL — STATE OF CALIFORNIA

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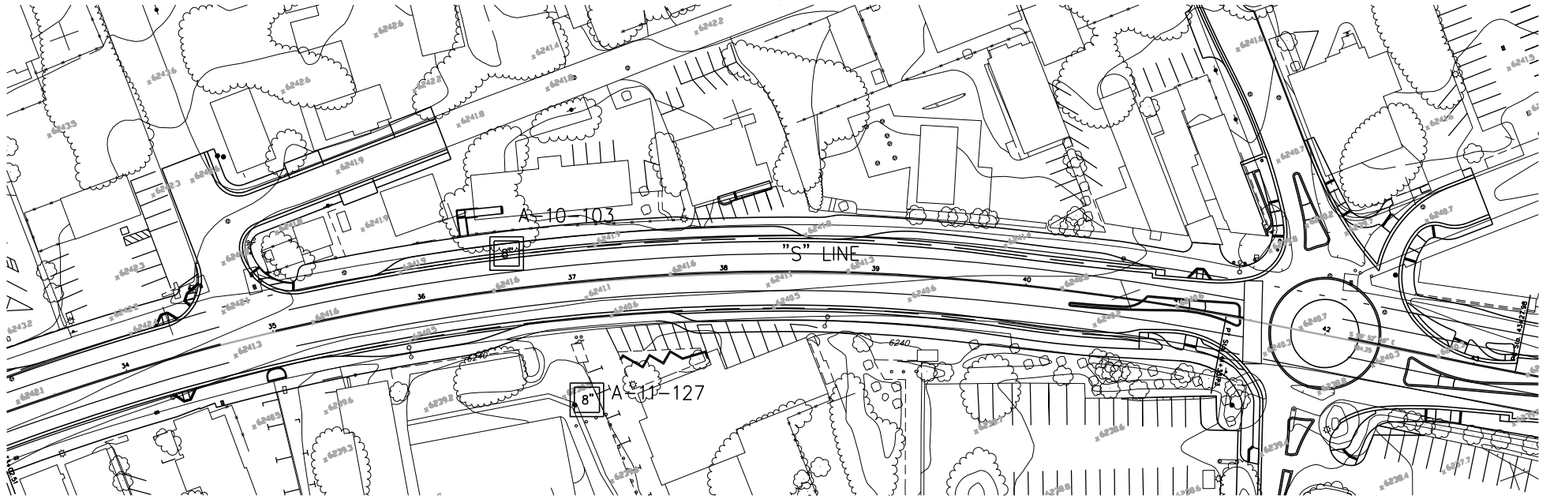
Kings Beach, CA 96145

PARIKH CONSULTANTS, INC.
2360 QUME DRIVE, SUITE A
SAN JOSE, CA 96143



PLAN
1"=50'

BENCHMARK :

Horizontal Datum: California State Plane Coordinate System Zone II Nad83 (1991.35)ca hpgn.

Vertical Datum: Navd88 based on bench mark 'h–181' elev: 6243.31. A survey disk that was located at the top of an exposed granite Boulder that projects 0.5' above ground on the grounds of the Old Brockway golf course in Kings Beach, approximately 133 feet North of the centerline of State Route 28 and approximately 89 feet west of the centerline of Bassie Ave.

Notes:
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Modified California Sampler: I.D. = 2.5"; O.D. = 3"
Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

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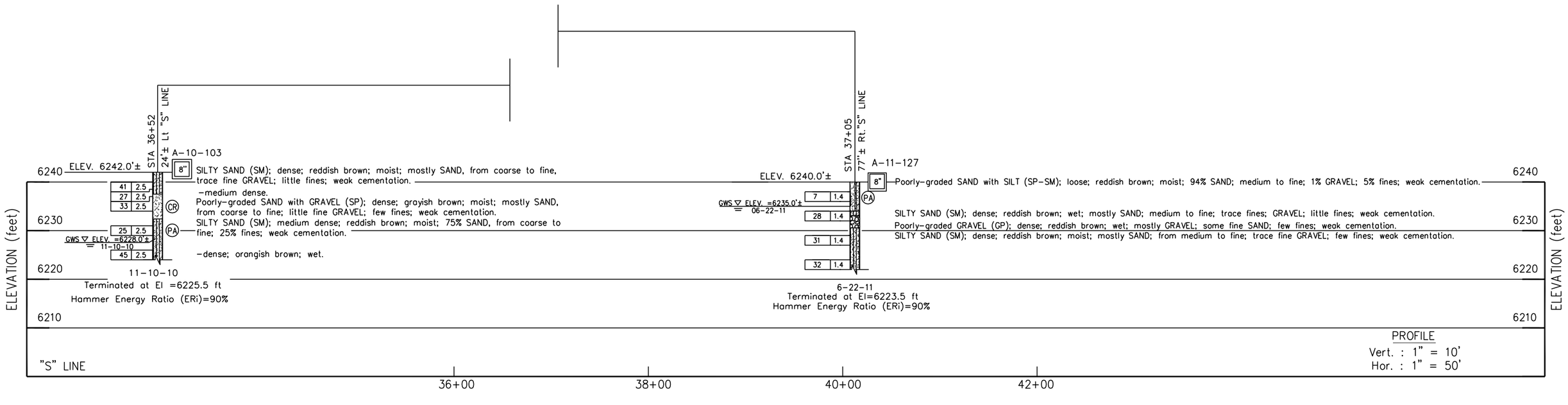

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010		PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: PROJECT ID:

May 01, 2012 - 10:00am S:\CAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
Ajackson
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 — GEOTECHNICAL — STATE OF CALIFORNIA

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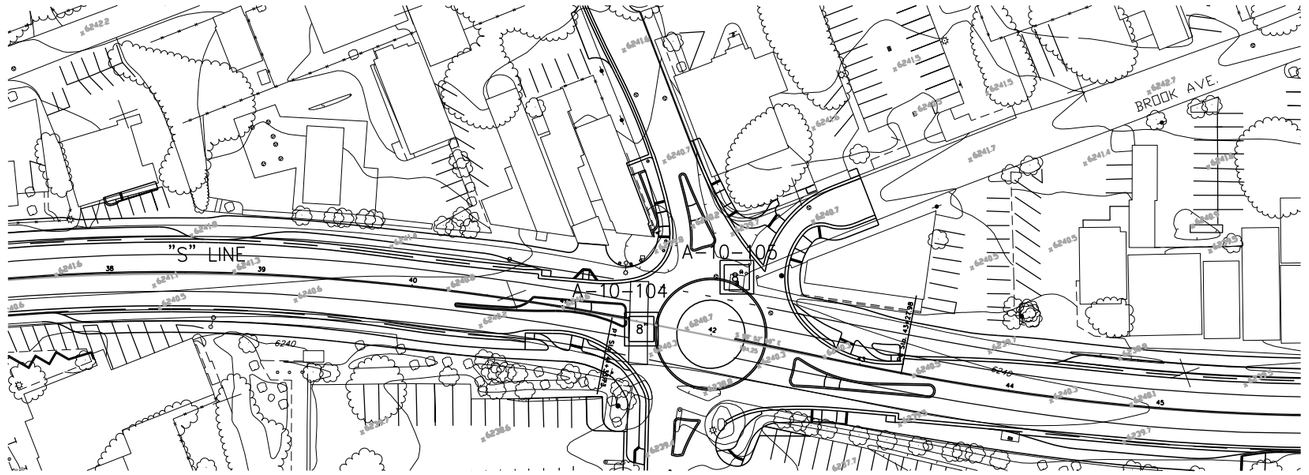
SAN JOSE, CA 96143



PLAN
1"=50'

BENCHMARK :

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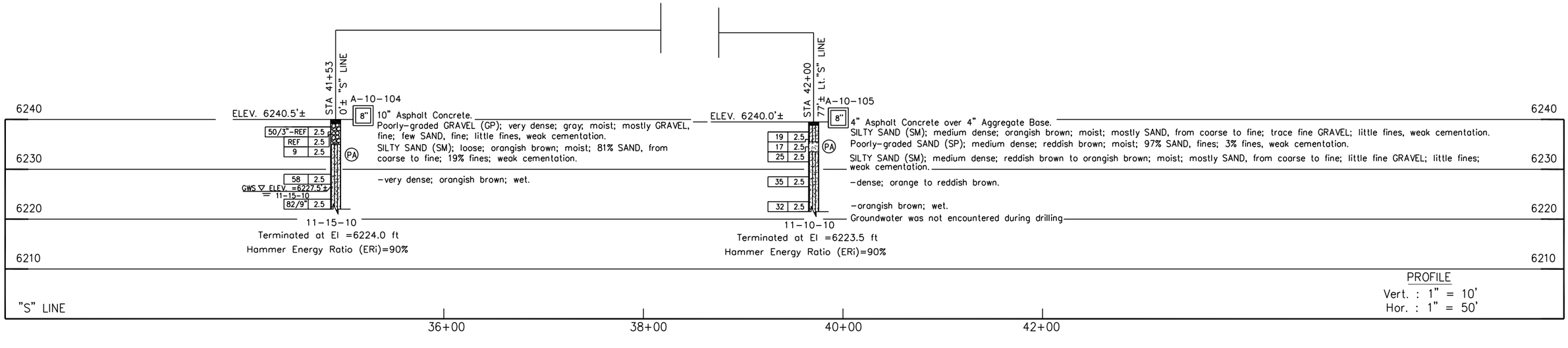

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010		PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: PROJECT ID:

Apickson May 01, 2012 – 10:01am S:\ACAD\2010–143–402\LOTB–Retaining Walls (08_02_11).dwg

USERNAME => $USER DATE PLOTTED => $DATE TIME PLOTTED => $TIME

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 — GEOTECHNICAL — STATE OF CALIFORNIA

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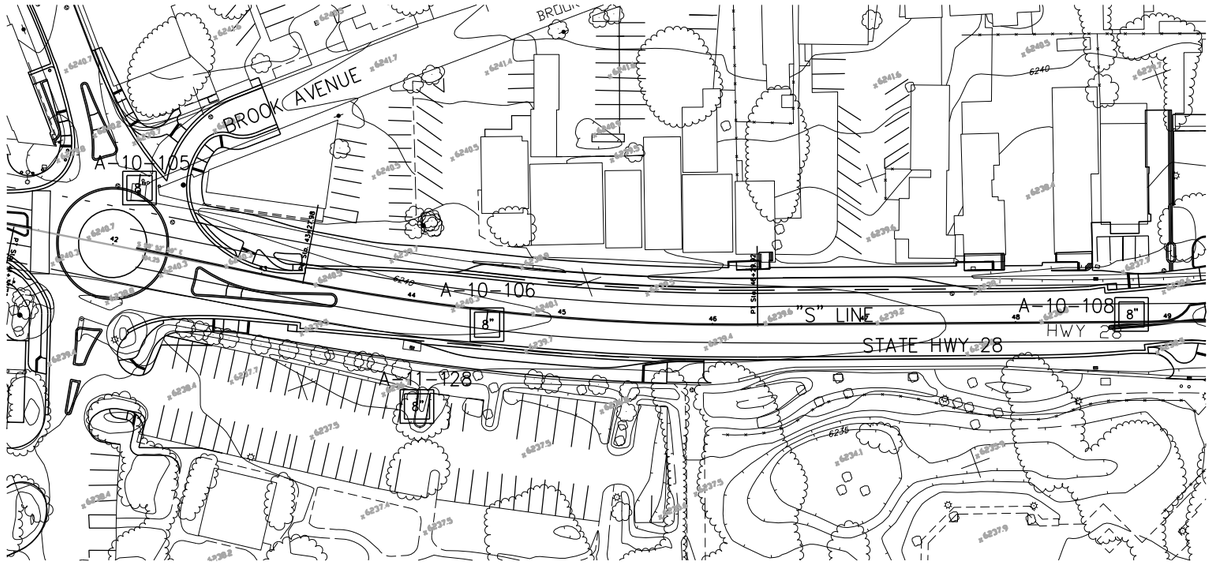
SAN JOSE, CA 96143



PLAN
1"=50'

BENCHMARK :

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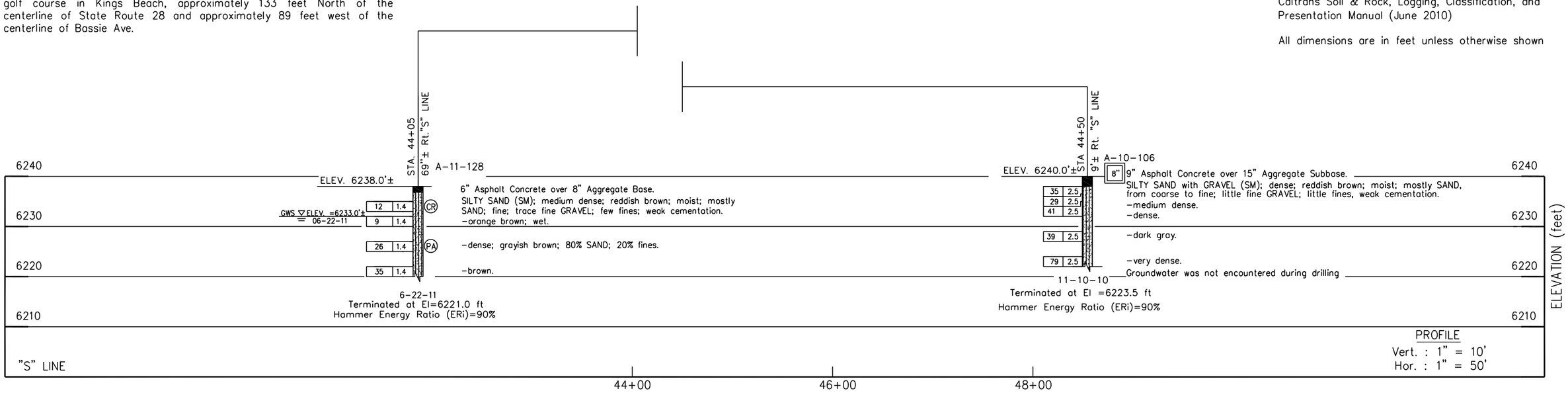

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS FIELD INVESTIGATION BY:	PREPARED FOR THE PLACER COUNTY	A. LAM PROJECT ENGINEER	BRIDGE NO. / POST MILES
SIGN OFF DATE	CHECKED BY	A. LAM	DATE: NOVEMBER–2010			

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

May 01, 2012 - 10:02am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
Ajackson
TIME PLOTTED => $TIME
DATE PLOTTED => $DATE
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 GEOTECHNICAL — STATE OF CALIFORNIA

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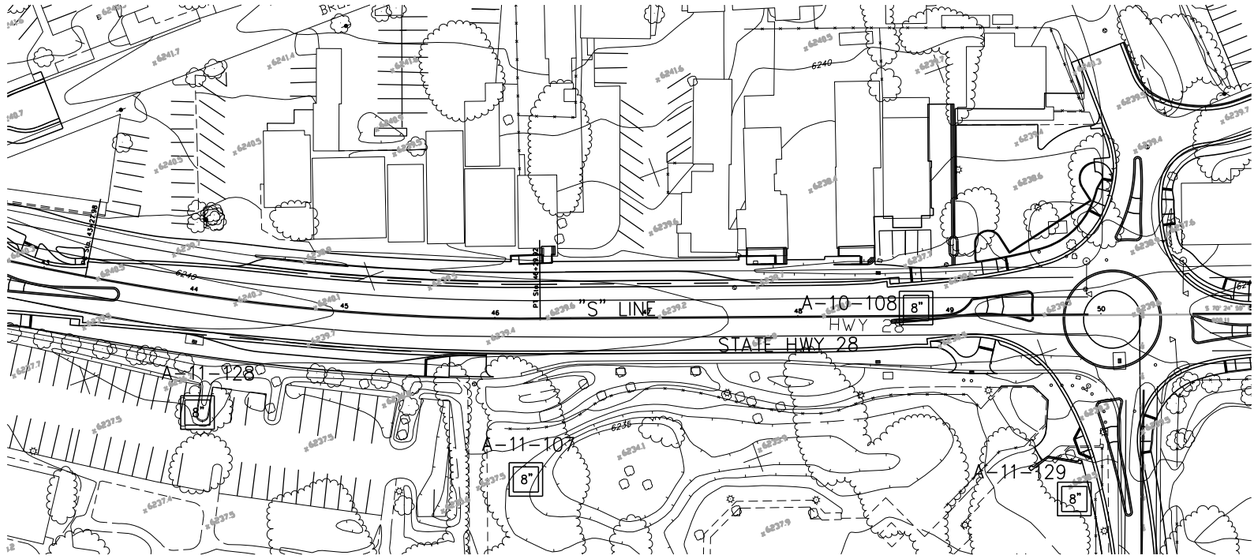
SAN JOSE, CA 96143



PLAN
1"=50'

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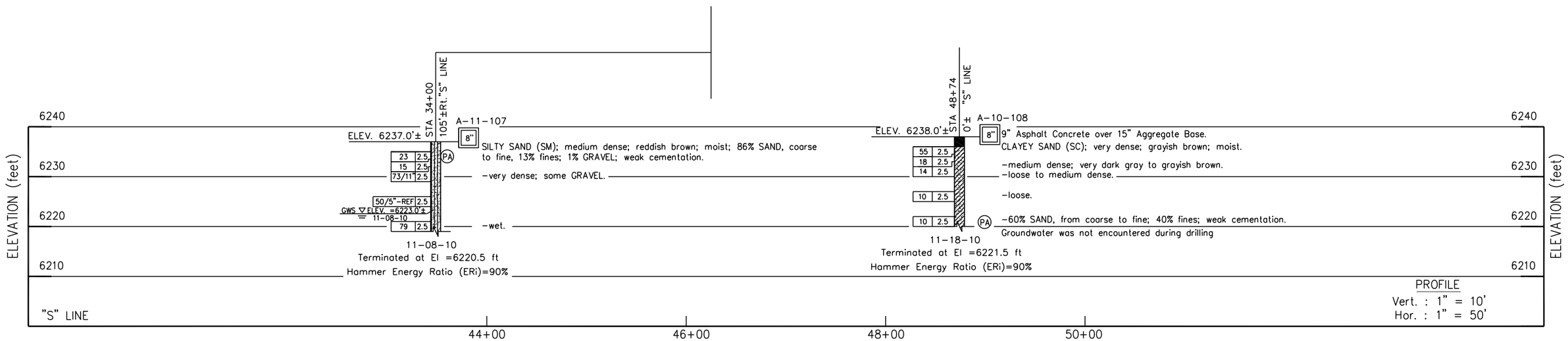

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS		PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010			PROJECT ENGINEER	POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
X											

CONTRACT NO: PROJECT ID:

May 01, 2012 - 10:02am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
Ajackson
TIME PLOTTED => $TIME
DATE PLOTTED => $DATE
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp.12/31/13 GEOTECHNICAL — STATE OF CALIFORNIA

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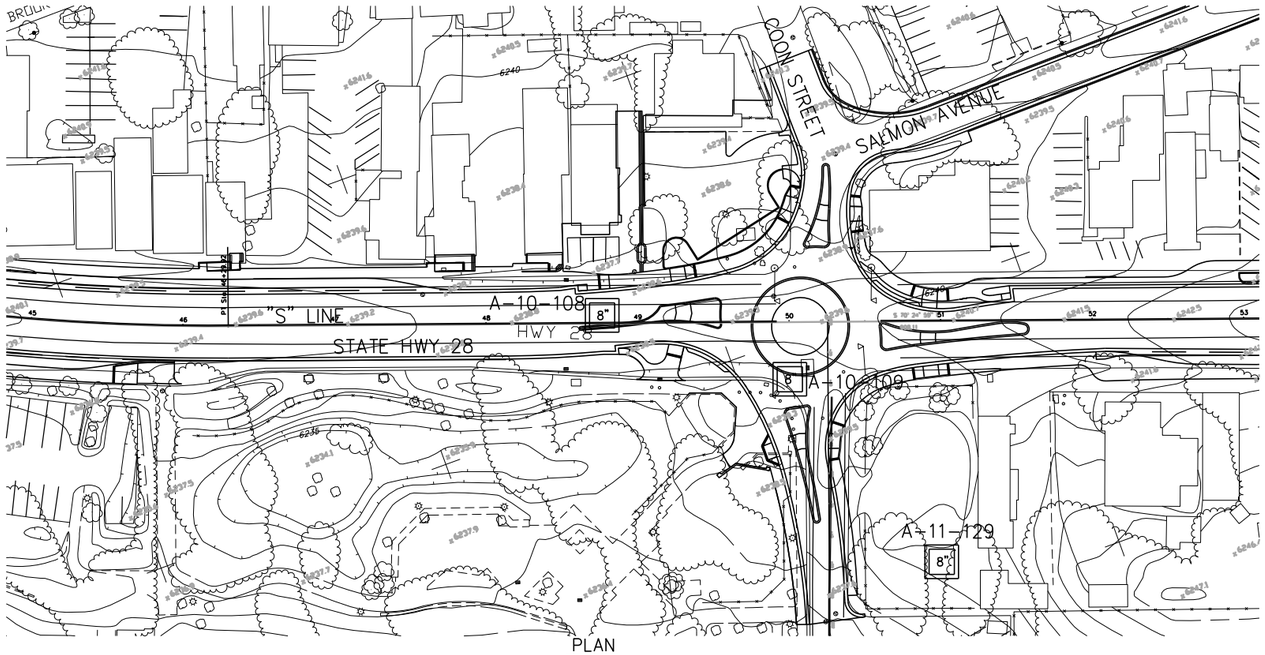
SAN JOSE, CA 96143



PLAN
1"=50'

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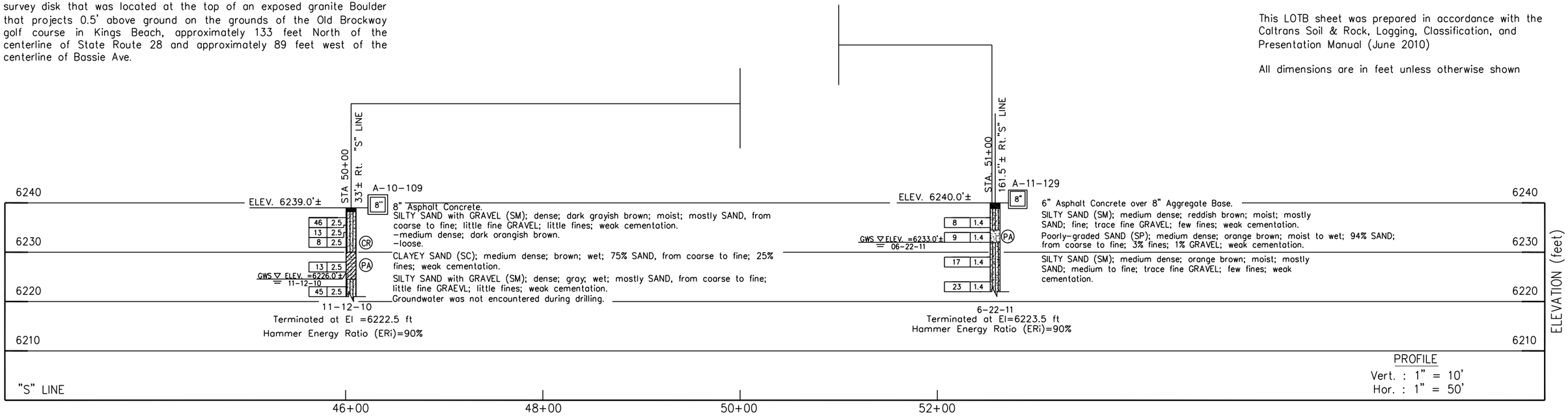

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS	PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010		PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES | SHEET | OF

CONTRACT NO: PROJECT ID:

May 01, 2012 - 10:03am S:\VC4D\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
Ajackson
TIME PLOTTED => $TIME
DATE PLOTTED => $DATE
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 — GEOTECHNICAL — STATE OF CALIFORNIA

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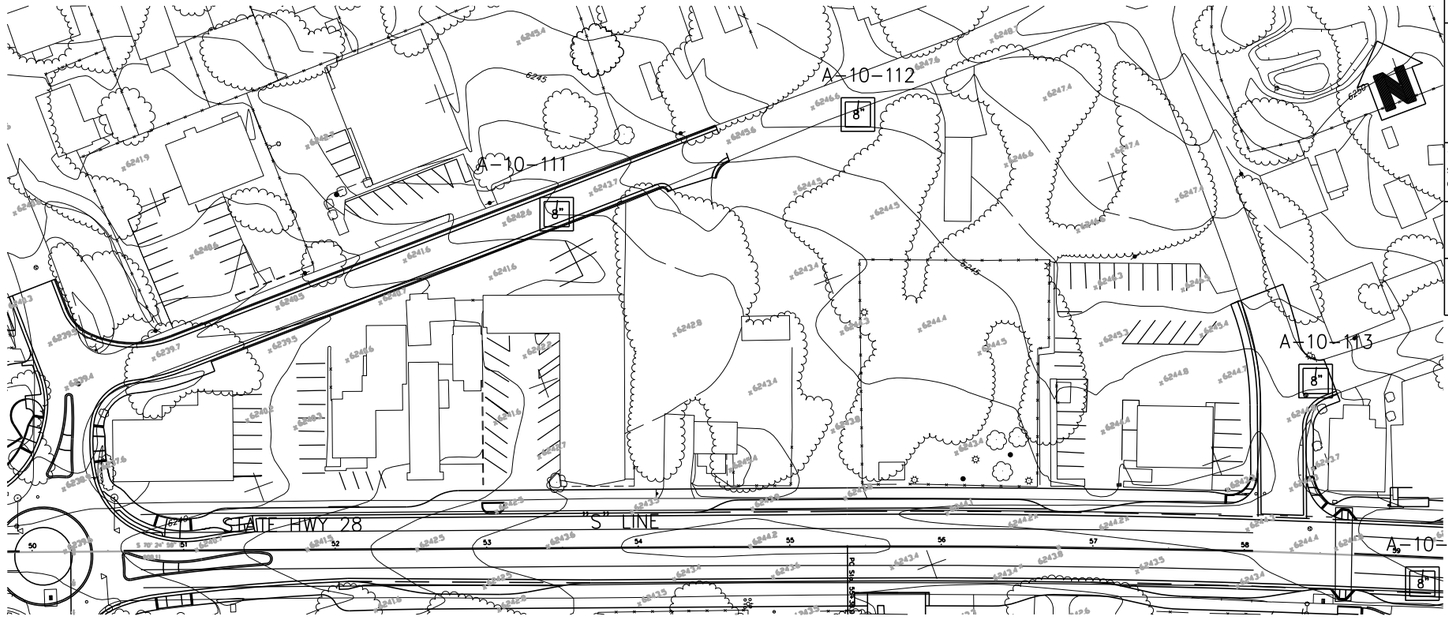

PLAN
1"=50'

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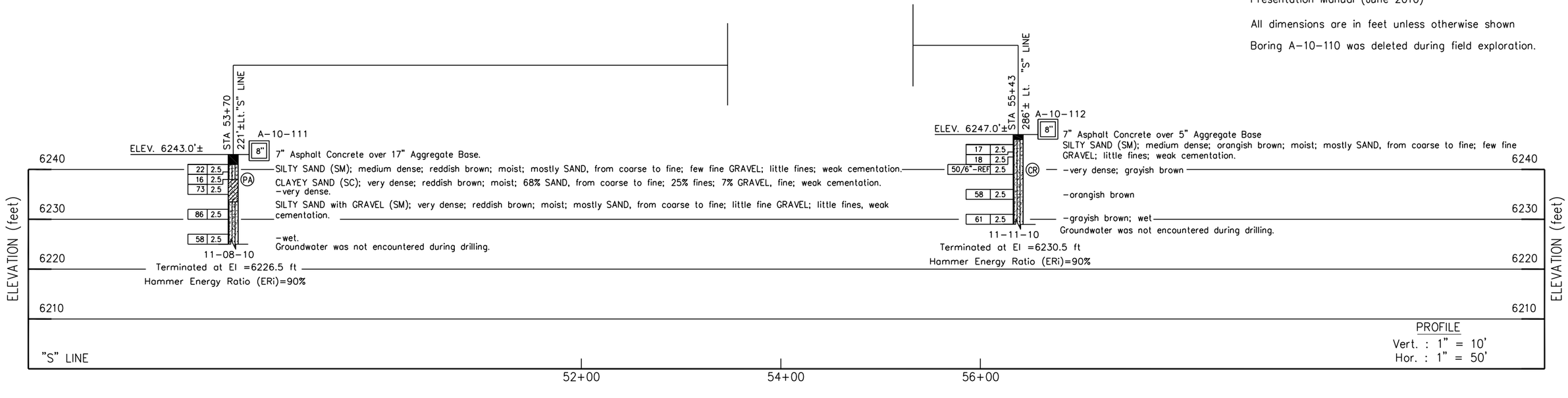

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS		PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010			PROJECT ENGINEER	POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT:
EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES	SHEET	OF
X		

CONTRACT NO: PROJECT ID:

Apjelson May 01, 2012 – 10:04am S:\CAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg

TIME PLOTTED => $TIME
DATE PLOTTED => $DATE
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 — GEOTECHNICAL — STATE OF CALIFORNIA

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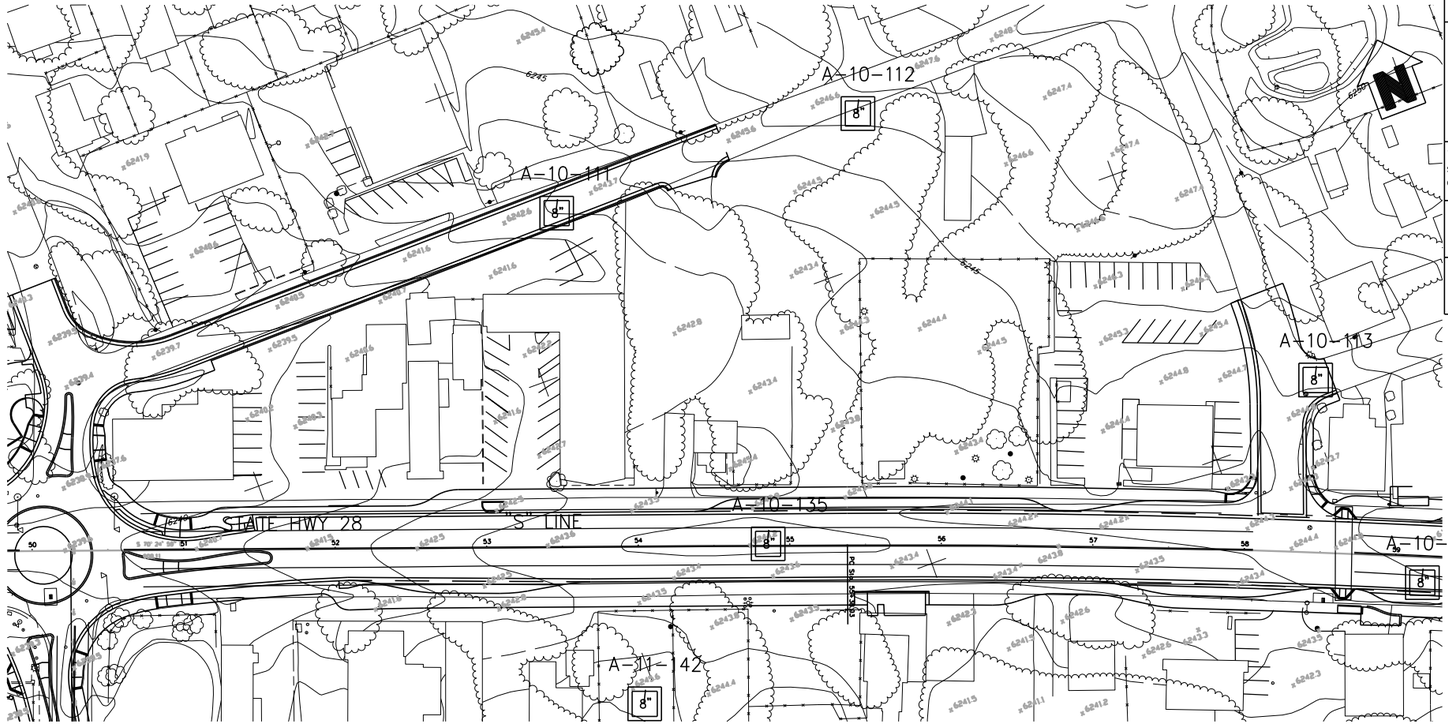

PLAN
1"=50'

BENCHMARK :

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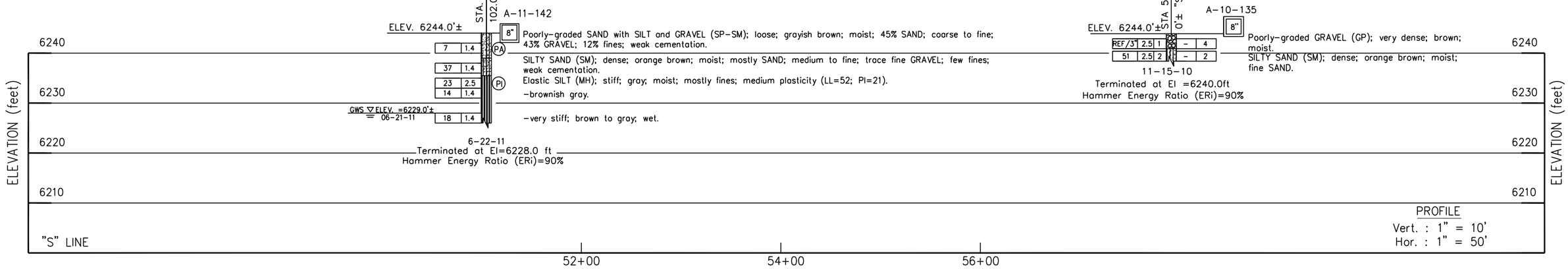

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS FIELD INVESTIGATION BY:		PREPARED FOR THE PLACER COUNTY	A. LAM PROJECT ENGINEER	BRIDGE NO.
SIGN OFF DATE	CHECKED BY	A. LAM	DATE: NOVEMBER–2010				POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

May 01, 2012 – 10:05am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
Ajackson
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

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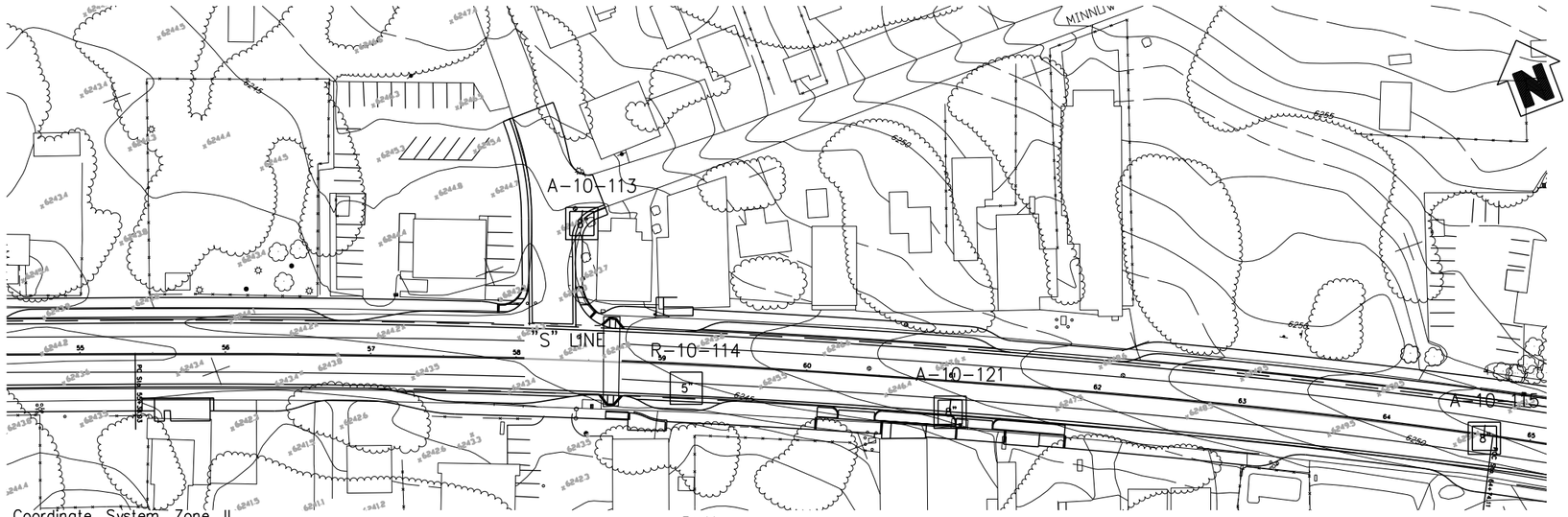

PLAN
1"=50'

BENCHMARK :

Horizontal Datum: California State Plane Coordinate System Zone II Nad83 (1991.35)ca hpgn.

Vertical Datum: Navd88 based on bench mark 'h–181' elev: 6243.31. A survey disk that was located at the top of an exposed granite Boulder that projects 0.5' above ground on the grounds of the Old Brockway golf course in Kings Beach, approximately 133 feet North of the centerline of State Route 28 and approximately 89 feet west of the centerline of Bassie Ave.

Notes:
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Modified California Sampler: I.D. = 2.5"; O.D. = 3"
Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

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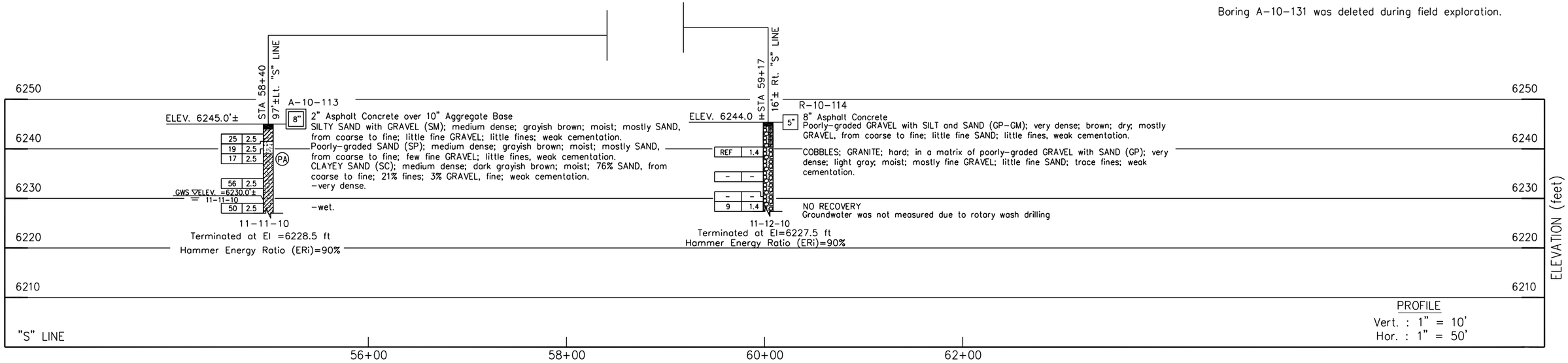
All dimensions are in feet unless otherwise shown

Boring A–10–131 was deleted during field exploration.



PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS		PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010			PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

Apcason May 01, 2012 - 10:06am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg

DATE PLOTTED => $DATE TIME PLOTTED => $TIME USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3		

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GARY PARIKH — No. G.E. 666 — Exp. 12/31/13 — GEOTECHNICAL — STATE OF CALIFORNIA

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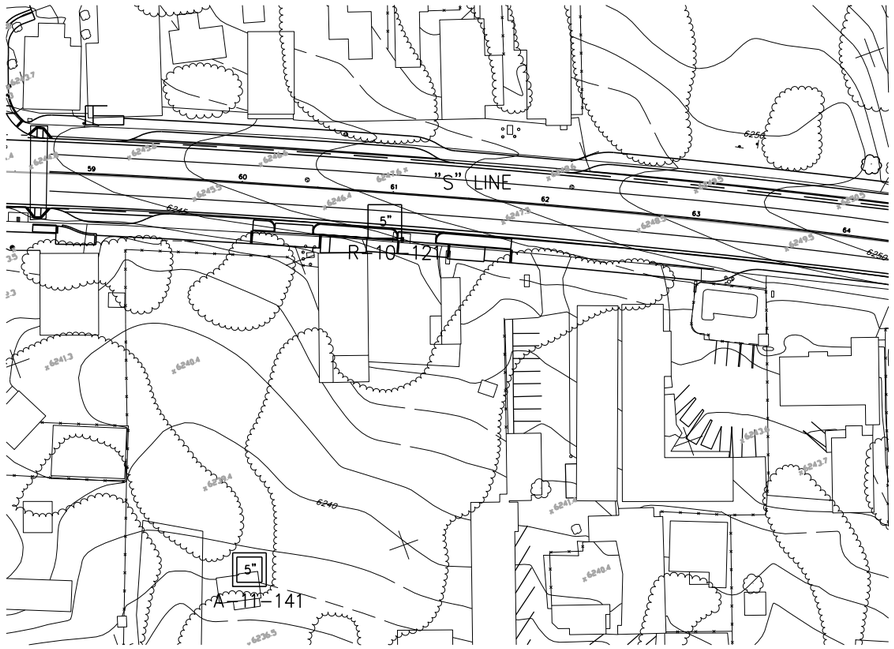
Kings Beach, CA 96145

PARIKH CONSULTANTS, INC.
2360 QUME DRIVE, SUITE A
SAN JOSE, CA 96143



PLAN
1"=50'

BENCHMARK :

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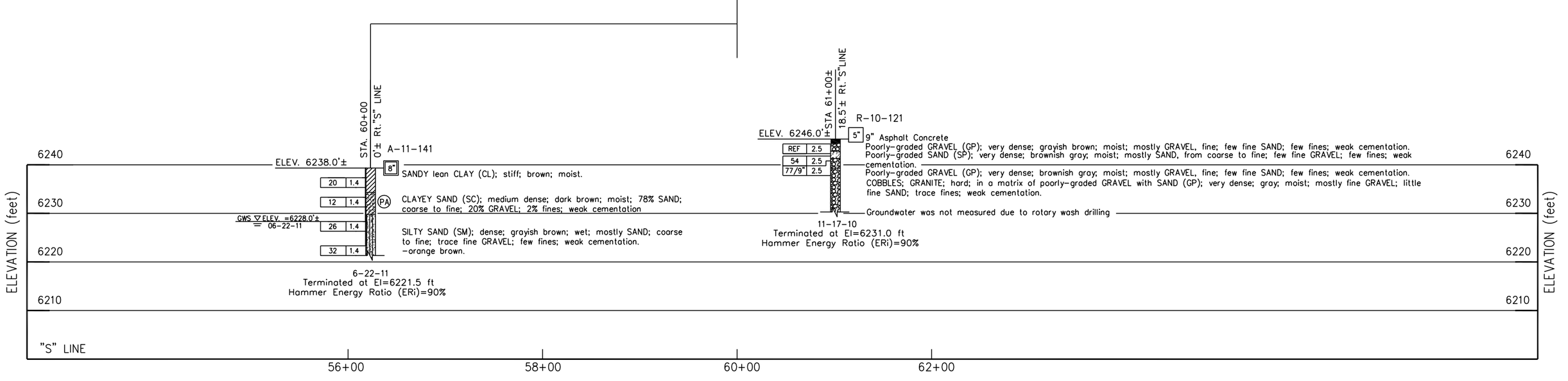

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS		PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER-2010			PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES									SHEET	OF
X										

CONTRACT NO: PROJECT ID:

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USERNAME => $USER

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03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

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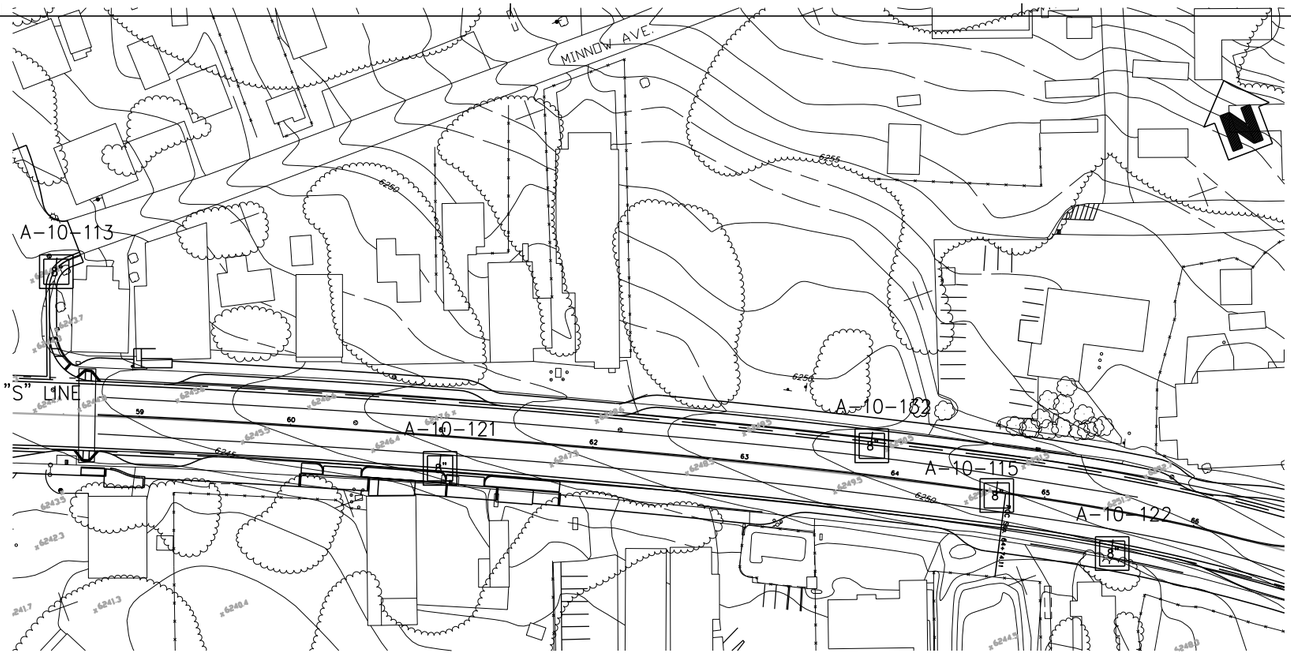

PLAN
1"=50'

BENCHMARK :

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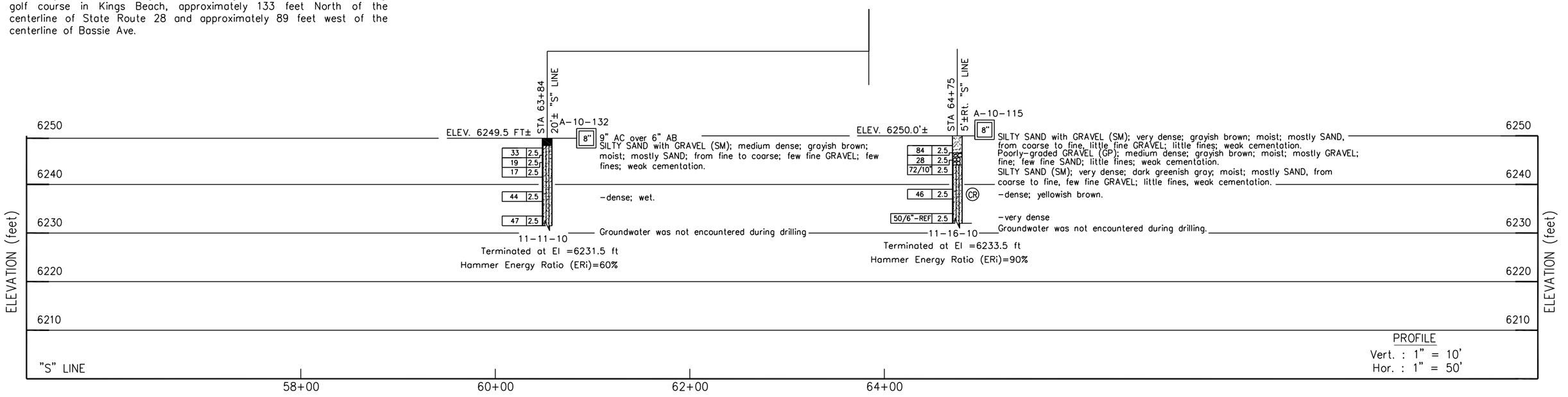

PROFILE
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Hor. : 1" = 50'

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GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT:
EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

Ajackson May 01, 2012 - 10:08am S:\CAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg

USERNAME => $USER DATE PLOTTED => $DATE TIME PLOTTED => $TIME

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	----	----

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

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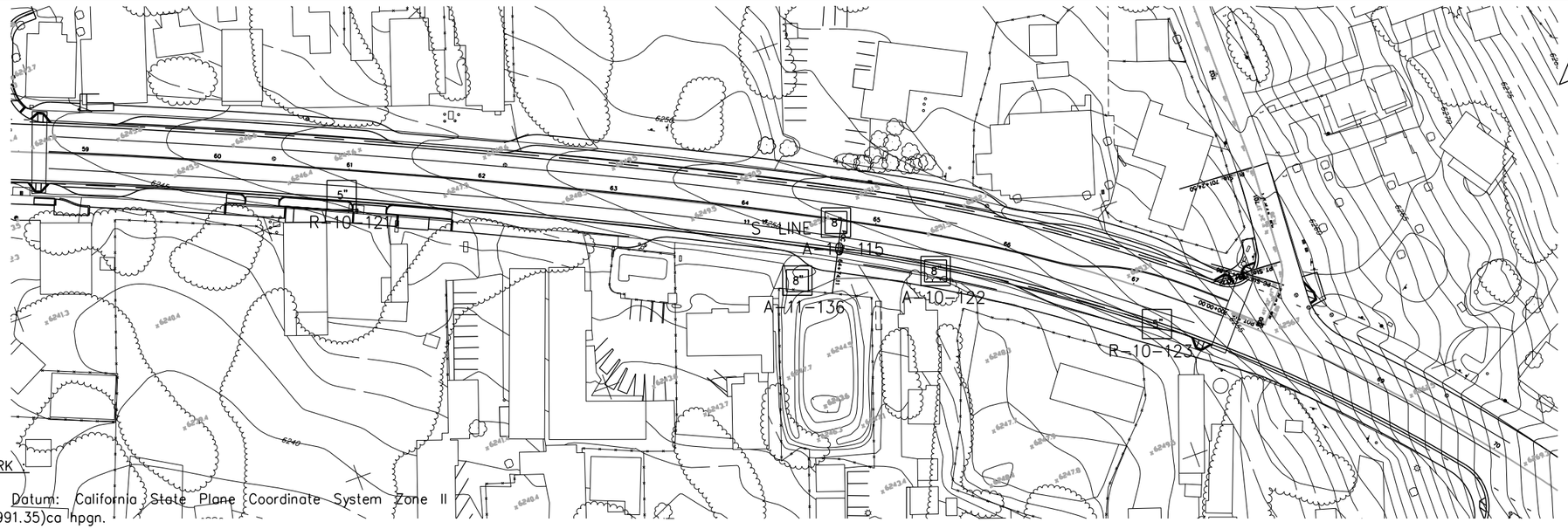
SAN JOSE, CA 96143



PLAN
1"=50'

BENCHMARK

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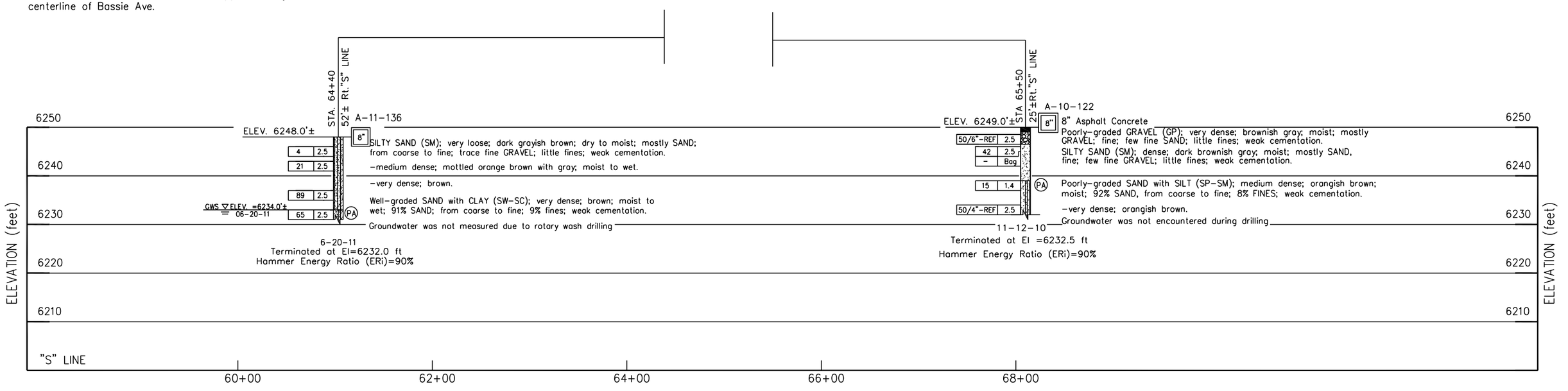

PROFILE
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Hor. : 1" = 50'

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SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER-2010		PROJECT ENGINEER	POST MILES	LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT:
EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

May 01, 2012 - 10:08am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
Ajackson
TIME PLOTTED => $TIME
DATE PLOTTED => $DATE
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	____	____

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

PLANS APPROVAL DATE

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Kings Beach, CA 96145

PARIKH CONSULTANTS, INC.
2360 QUME DRIVE, SUITE A
SAN JOSE, CA 96143

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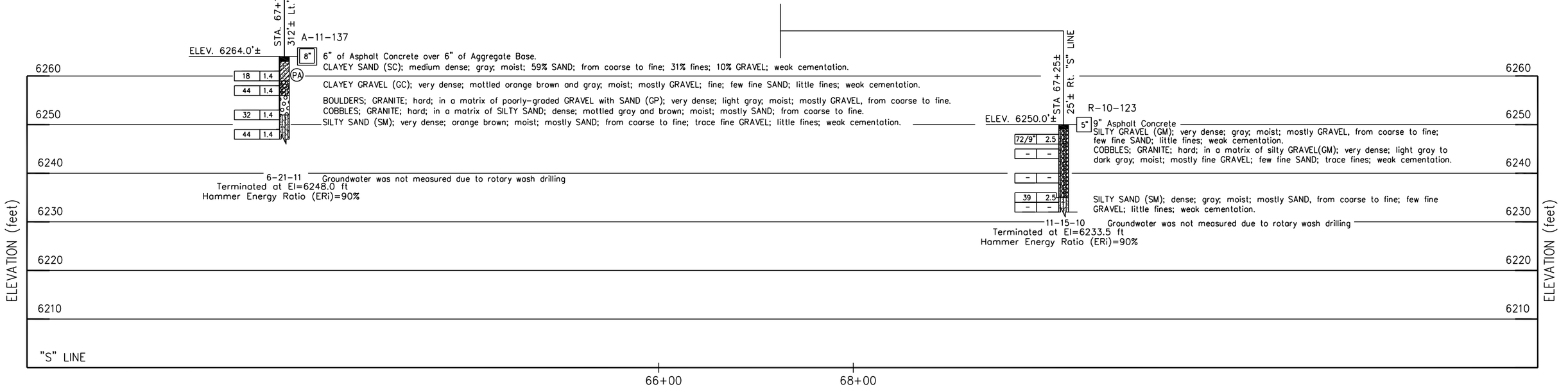

PROFILE
Vert. : 1" = 10'
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UNIT: EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: | PROJECT ID:

May 01, 2012 – 10:09am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg Ajackson

USERNAME => $USER DATE PLOTTED => $DATE TIME PLOTTED => $TIME

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	____	____

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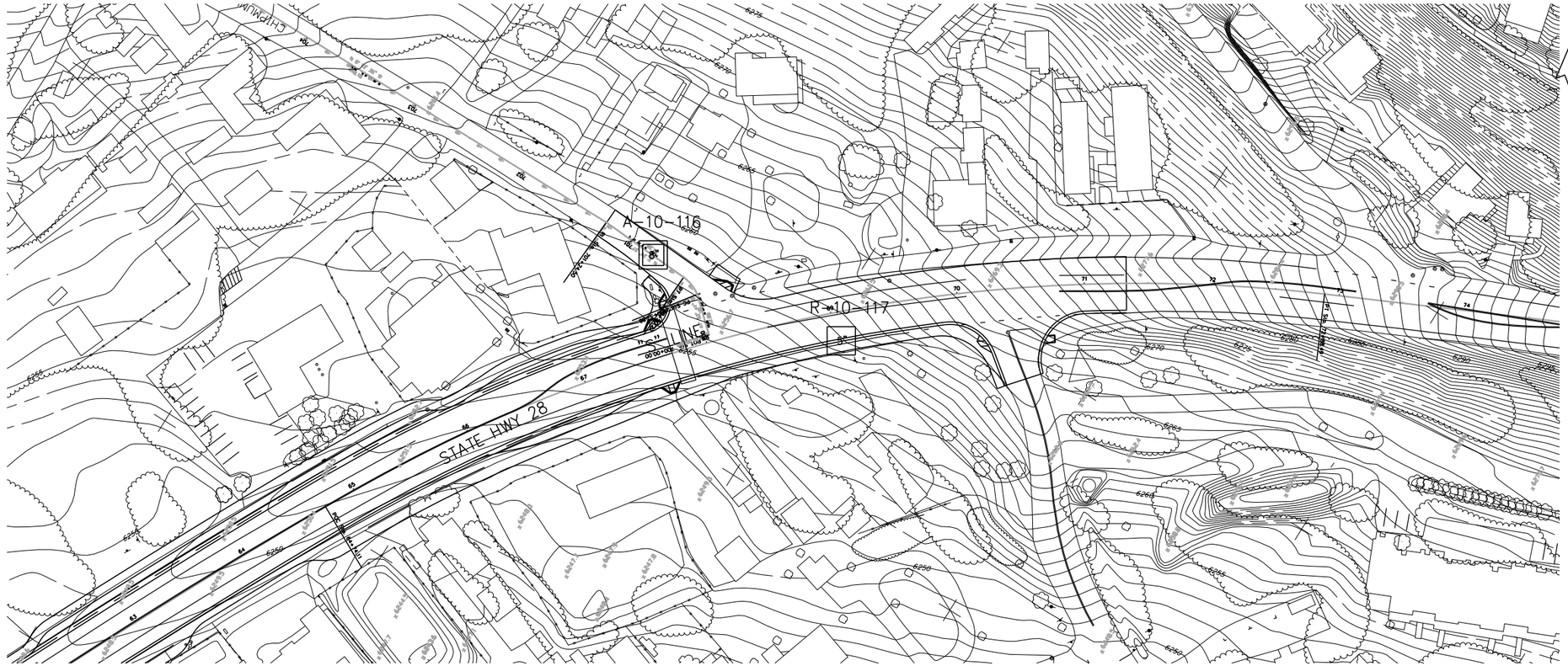

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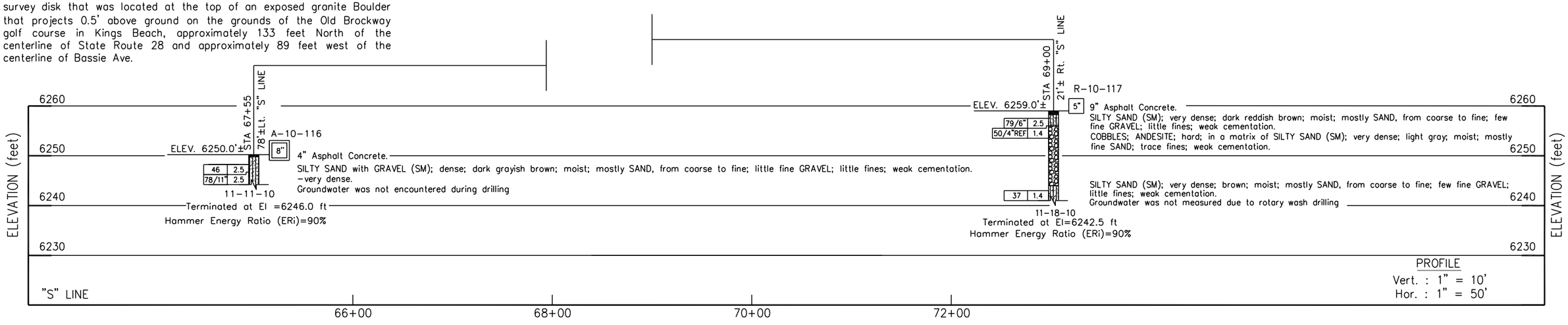

PROFILE
Vert. : 1" = 10'
Hor. : 1" = 50'

DESIGN OVERSIGHT	DRAWN BY	O. GOUTHIER	V. SANTOS		PREPARED FOR THE PLACER COUNTY	A. LAM	BRIDGE NO.
SIGN OFF DATE	CHECKED BY	A. LAM	FIELD INVESTIGATION BY: DATE: NOVEMBER–2010			PROJECT ENGINEER	POST MILES

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03–0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES | SHEET | OF

CONTRACT NO: PROJECT ID:

May 01, 2012 – 10:10am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg
Apckson
TIME PLOTTED => $TIME
DATE PLOTTED => $DATE
USERNAME => $USER

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	PLA	028	9.2–10.3	____	____

GEOTECHNICAL PROFESSIONAL — 4/25/12 DATE

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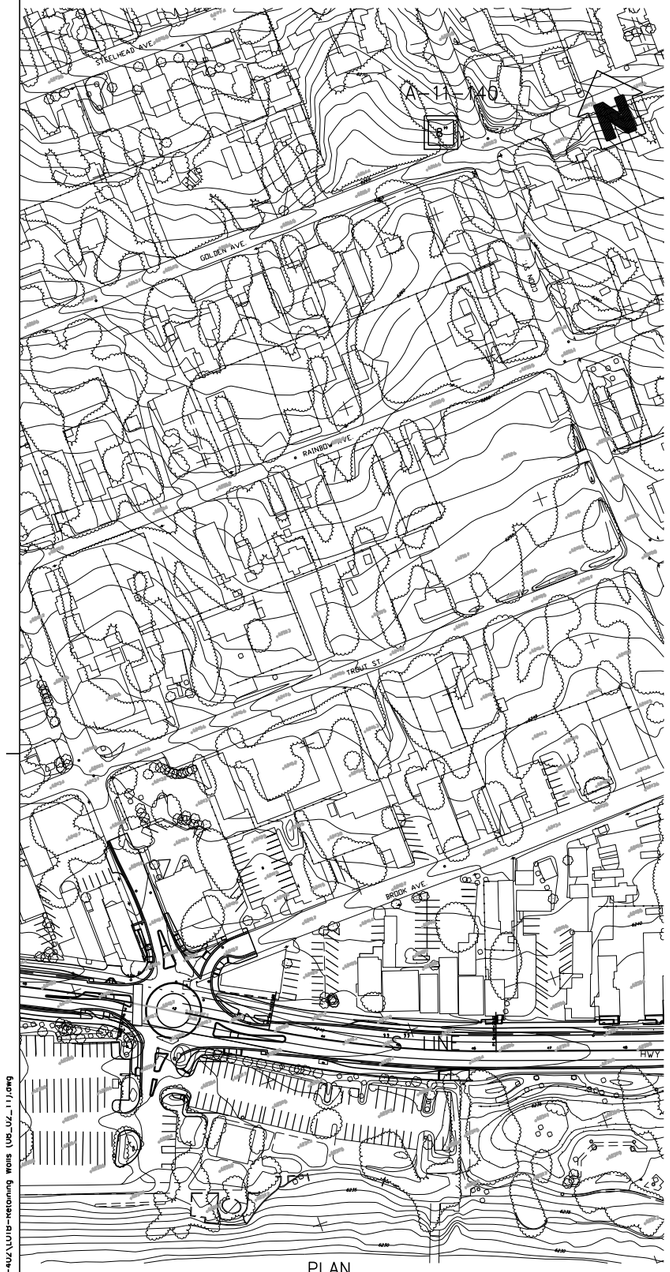

PLAN
1"=100'

BENCHMARK :

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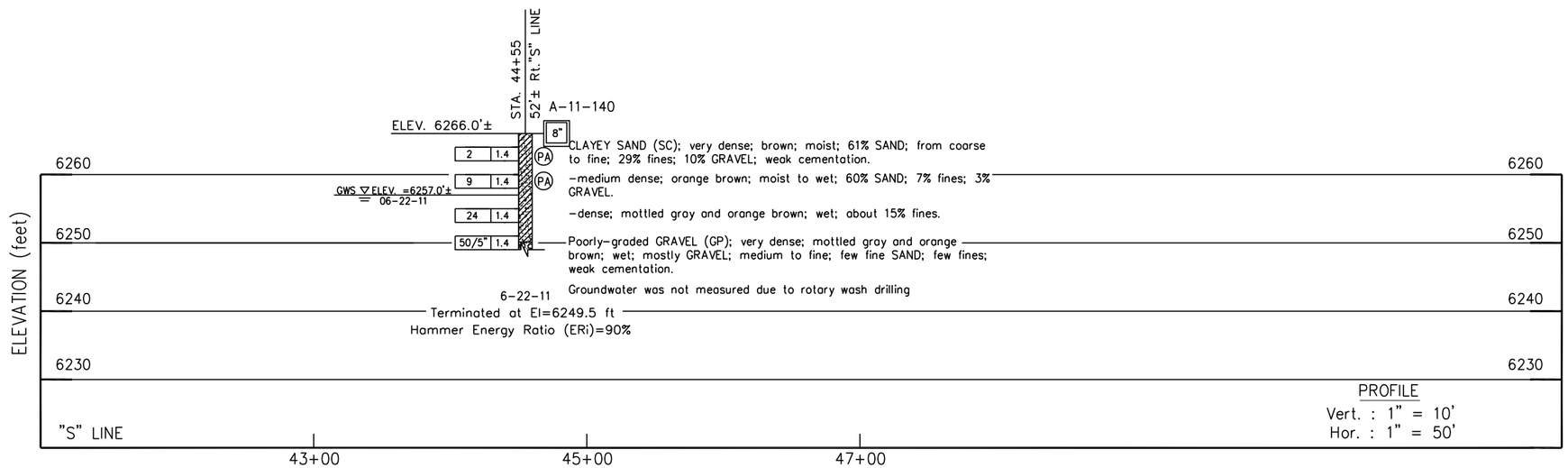

PROFILE
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Hor. : 1" = 50'

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES | SHEET | OF

CONTRACT NO: PROJECT ID:

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03	PLA	028	9.2–10.3	___	___

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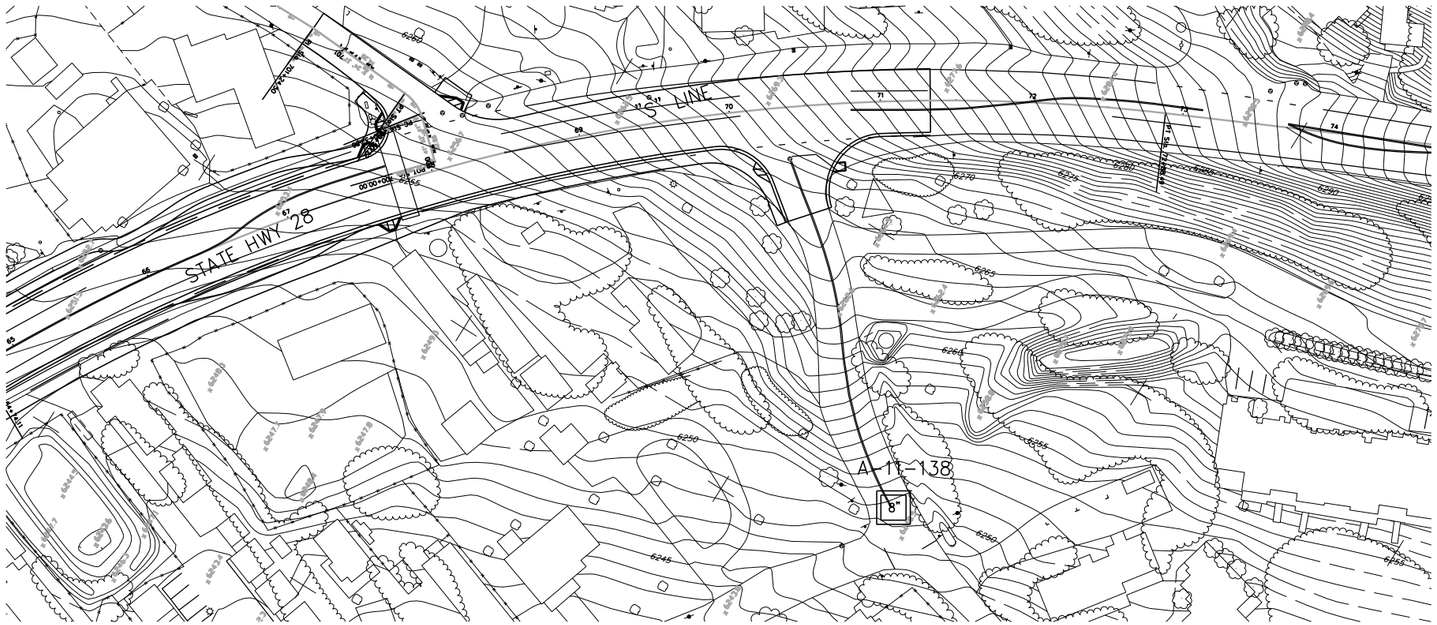

PLAN
1"=50'

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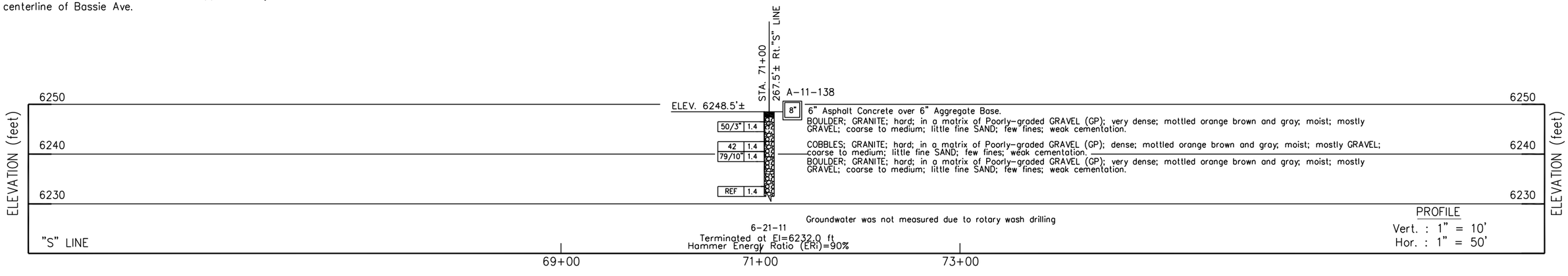

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KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

LOG OF TEST BORINGS

GS GEOTECHNICAL LOG OF TEST BORINGS SHEET (ENGLISH) (REV. 7/16/10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: EA :03-0C9301

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES X

SHEET OF

CONTRACT NO.: PROJECT ID:

Ajackson May 01, 2012 - 10:11am S:\ACAD\2010-143-402\LOTB-Retaining Walls (08_02_11).dwg

USERNAME => $USER DATE PLOTTED => $DATE TIME PLOTTED => $TIME

APPENDIX B

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-10-102	1	2.0	SM								100.6	9.5	
	2	3.5	SM								95.2	20.8	See Corrosion
	3	5.0	SC	5.2	71.3	23.5					98.7	17.2	
	4	11.0	GP								-	11.0	
	5	16.0	GP								82.3	37.3	
A-10-103	1	2.0	SM								107.7	13.9	
	2	3.5	SM								106.8	12.5	
	3	5.0	SP								101.1	15.3	See Corrosion
	4	11.0	SM	0.0	74.7	25.3					78.9	31.4	
	5	16.0	SM								94.6	25.7	
A-10-104	1	1.5	GP								-	-	
	2	2.5	GP								-	-	
	3	3.0	SM	0.1	80.9	19.0					108.1	12.6	
	4	11.0	SM								106.8	20.2	
	5	16.0	SM								101.1	23.4	
A-10-105	1	2.0	SM								100.6	5.2	
	2	3.5	SP	0.0	96.7	3.3					96.2	4.9	
	3	5.0	SM								-	13.0	
	4	11.0	SM								87.2	33.1	
	5	16.0	SM								78.3	41.6	

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SUMMARY OF LABORATORY TEST RESULTS
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1A

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-10-106	1	2.0	SM								-	4.5	
	2	3.5	SM								106.8	7.2	
	3	5.0	SM								102.4	5.2	
	4	11.0	SM								76.0	23.9	
	5	16.0	SM								99.6	14.1	
A-10-107	1	2.0	SM								86.8	14.1	
	2	3.5	SM								100.6	14.5	
	3	5.0	SM								-	15.7	
	4	10.5	SM								110.4	20.9	
	5	16.0	SM								94.4	28.0	
A-10-108	1	2.0	SC								121.3	9.0	
	2	3.5	SC								104.0	21.7	
	3	5.0	SC								107.6	20.5	
	4	11.0	SC								95.1	27.3	
	5	16.0	SC	0.0	60.2	39.8					87.8	32.7	
A-10-109	1	2.0	SM								-	10.1	
	2	3.5	SM								106.2	14.6	
	3	5.0	SM								108.1	16.6	See Corrosion
	4	11.0	SC	0.3	74.9	24.8					94.2	27.0	
	5	16.0	SM								-	14.6	

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SUMMARY OF LABORATORY TEST RESULTS
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1B

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-10-111	1	2.0	SM								98.9	14.7	
	2	3.5	SC	7.2	67.6	25.2					99.0	18.3	
	3	5.0	SC								103.9	18.8	
	4	11.0	SM								96.5	27.5	
	5	16.0	SM								83.3	35.4	
A-10-112	1	2.0	SM								91.2	10.4	
	2	3.5	SM								90.9	11.3	
	3	5.0	SM								86.3	14.4	See Corrosion
	4	11.0	SM								99.6	21.7	
	5	16.0	SM								90.8	29.1	
A-10-113	1	2.0	SM								-	13.9	
	2	3.5	SP								-	11.5	
	3	4.5	SC	2.5	76.3	21.2					-	26.7	
	4	11.0	SC								92.4	27.7	
	5	16.0	SC								86.5	33.3	
R-10-114	1	5.0	GP-GM								-	5.0	
	2	-	-								-	-	Coring - Cobbles & Boulders
	3	-	-								-	-	Coring - Cobbles & Boulders
	4	16.0	GP-GM								-	23.2	

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SUMMARY OF LABORATORY TEST RESULTS
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1C

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-10-115	1	2.0	SM								-	7.5	
	2	3.5	GP								-	8.4	
	3	5.0	SM								108.3	15.7	
	4	11.0	SM								101.0	15.5	See Corrosion
	5	15.5	SM								86.6	23.0	
A-10-116	1	2.0	SM								96.6	4.9	
	2	3.5	SM								-	9.2	
R-10-117	1	1.5	SM								114.9	9.6	
	2	3.0	SM								-	3.9	
	3	16.0	SM								-	19.6	
R-10-118	1	2.0	SM								80.7	41.0	
	2	3.5	SM								96.0	10.2	
	3	5.0	CL							1.6	84.1	36.3	
	4	-	-								-	-	Coring - Cobbles & Boulders
	5	-	-								-	-	Coring - Cobbles & Boulders
A-10-119	1	1.5	SP								-	5.8	
	2	3.5	SM								-	7.9	
	3	5.0	SC								-	26.9	
	4	11.0	SC								-	34.3	
	5	16.0	SM								81.3	38.3	

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SUMMARY OF LABORATORY TEST RESULTS

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1D

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-10-120	1	2.0	SM								-	7.4	
	2	3.5	SM								96.6	8.6	
	3	5.0	SM								77.4	41.6	
	4	11.0	SM	0.0	64.1	35.9					80.2	40.6	
	5	16.0	SM								77.9	40.8	
R-10-121	1	1.0	GP								-	3.3	
	2	3.5	SP								-	12.2	
	3	4.5	GP								-	10.4	
	4	-	-								-	-	Coring - Cobbles & Boulders
	5	-	-								-	-	Coring - Cobbles & Boulders
A-10-122	1	1.5	GP								-	5.1	
	2	3.5	SM								108.5	17.6	
	3	5.0	SM								-	8.4	
	4	11.0	SP	0.0	92.0	8.0					-	22.2	
	5	16.0	SP								-	13.6	
R-10-123	1	2.0	GM								-	9.1	
	2	-	-								-	-	Coring - Cobbles & Boulders
	3	-	-								-	-	Coring - Cobbles & Boulders
	4	15.0	GM								-	19.0	
	5	16.0	SM								-	-	

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SUMMARY OF LABORATORY TEST RESULTS

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1E

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-11-101	1	3.0	SM								-	19.0	
	2	5.0	SM								-	24.7	See Corrosion
	3	11.0	GP								-	11.9	
	4	16.0	SM	6.6	72.8	20.6					-	43.9	
A-11-107	1	3.0	SM	0.6	86.3	13.2					-	16.0	
	2	6.0	SM								-	21.7	
	3	11.0	SM								-	39.7	
	4	16.0	SM								-	27.6	
A-11-127	1	2.0	SP-SM	0.8	94.1	5.1					-	11.0	
	2	6.0	SM								-	21.7	
	3	11.0	SM								-	-	
	4	16.0	SM								-	46.3	
A-11-128	1	3.0	SM								-	20.7	See Corrosion
	2	6.0	SM								-	24.7	
	3	11.0	SM	0.0	80.5	19.5					-	44.4	
	4	16.0	SM								-	40.7	
A-11-129	1	3.0	SM								-	6.0	
	2	6.0	SP	0.6	96.3	3.1					-	15.8	
	3	11.0	SM								-	21.6	
	4	16.0	SM								-	21.6	

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SUMMARY OF LABORATORY TEST RESULTS
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1F

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-11-133	1	3.0	SP-SM	1.6	91.1	7.3					79.4	23.4	
	2	5.0	GM								-	15.0	
	3A	8.0	GM								-	17.1	
	3	11.0	SM								-	42.8	
	4	16.0	SM								-	42.0	
A-11-136	1	2.0	SM								-	8.4	
	2	5.0	SM								107.7	20.3	
	3	11.0	SM								-	17.1	
	4	15.0	SW-SC	0.0	90.7	9.3					-	19.3	
A-11-137	1	3.0	SC	9.6	59.0	31.4					-	12.8	
	2	6.0	GC								-	15.8	
	3	11.0	SM								-	12.3	
	4	15.0	SM								-	8.4	
A-11-138	1	2.0	GP								-	2.9	Coring - Cobbles & Boulders
	2	6.0	GP								-	8.8	
	3	8.0	GP								-	28.2	
	4	15.0	GP								-	7.5	Coring - Cobbles & Boulders
A-11-139	1	2.0	SP-SM	2.6	90.9	6.6					-	22.3	
	2	6.0	SP-SM								-	18.7	See Corrosion
	3	11.0	SP-SM	0.0	92.3	7.7					-	32.0	
	4	16.0	SP-SM								-	26.9	

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SUMMARY OF LABORATORY TEST RESULTS

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT

PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1G

Boring No.	Sample No.	Depth (ft)	Soil Type (USCS*)	Grain Size Analysis			Atterberg Limits			Unconfined Compression (ksf)	Dry Density (pcf)	Moisture Content (%)	Remarks
				gravel (%)	sand (%)	fines (%)	LL	PL	PI				
A-11-140	1	2.0	SC	9.7	61.7	28.6					-	20.3	
	2	6.0	SC	2.9	80.6	16.5					-	24.5	
	3	11.0	SC								-	37.8	
	4	16.0	GP								-	16.4	
A-11-141	1	2.0	CL								-	21.6	
	2	6.0	SC	2.4	77.9	19.6					-	19.2	
	3	11.0	SM								-	20.4	
	4	16.0	SM								-	22.8	
A-11-142	1	2.0	SP-SM	43.2	44.8	12.0					-	16.1	
	2	6.0	SM								-	16.6	
	3A	9.0	MH								-	46.6	
	3	11.0	MH				52	31	21		-	43.4	
	4	16.0	MH								-	42.7	

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SUMMARY OF LABORATORY TEST RESULTS
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

Job No.: 2010-143-010 | Plate No.: B-1H

APPENDIX B

LABORATORY TESTS

Classification Tests

The field classification of the samples was visually verified in the laboratory according to the Unified Soil Classification System. The results are presented on "Log of Test Borings", Appendix A.

Moisture-Density

The natural moisture contents and dry unit weights were determined for selected undisturbed samples of the soils in general accordance with Caltrans Test Method T-226. This information was used to classify and correlate the soils. The results are presented at the appropriate depths on the "Log of Test Borings", Appendix A.

Grain Size Classification

Grain size classification tests (Caltrans Test Method T-202) were performed on selected samples of granular soil to aid in the classification. The results are presented on Plates B-2A through B-2G, "Grain Size Distribution Curves".

Unconfined Compression Test

Strength tests were performed on selected undisturbed sample using unconfined compression machine. Unconfined compression tests were performed in general accordance with Caltrans Test Method T-221. The test result is presented on Plate B-3.

Corrosion Tests

Corrosion tests were performed on selected samples to determine the corrosion potential of the soils. The pH and minimum resistivity tests were performed according to Caltrans Test Method T-643. Sulfate and chloride tests were performed by Sunland Analytical. The test results are presented on Plates B-4A through B-4G.

R-value Tests

R-value tests were performed on bulk samples for pavement design. The tests were performed according to Caltrans Test Method T-301. The test results are presented on Plates B-5A through B-5F.

LABORATORY TESTS
(Continued)

Compaction Tests

Compaction tests (Caltrans Test Method T-216) were performed on selected bulk samples. The test results are presented on Plates B-6A through B-6C.

Atterberg Limits

The Atterberg Limits were determined for selected samples of the fine-grained materials. These results were used to classify the soils, as well as to obtain an indication of the expansion potential with variations in moisture content. The Atterberg Limits were determined in general accordance with Caltrans Test Method T-204. The test results are presented on Plate B-7, "Plasticity Chart".

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KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
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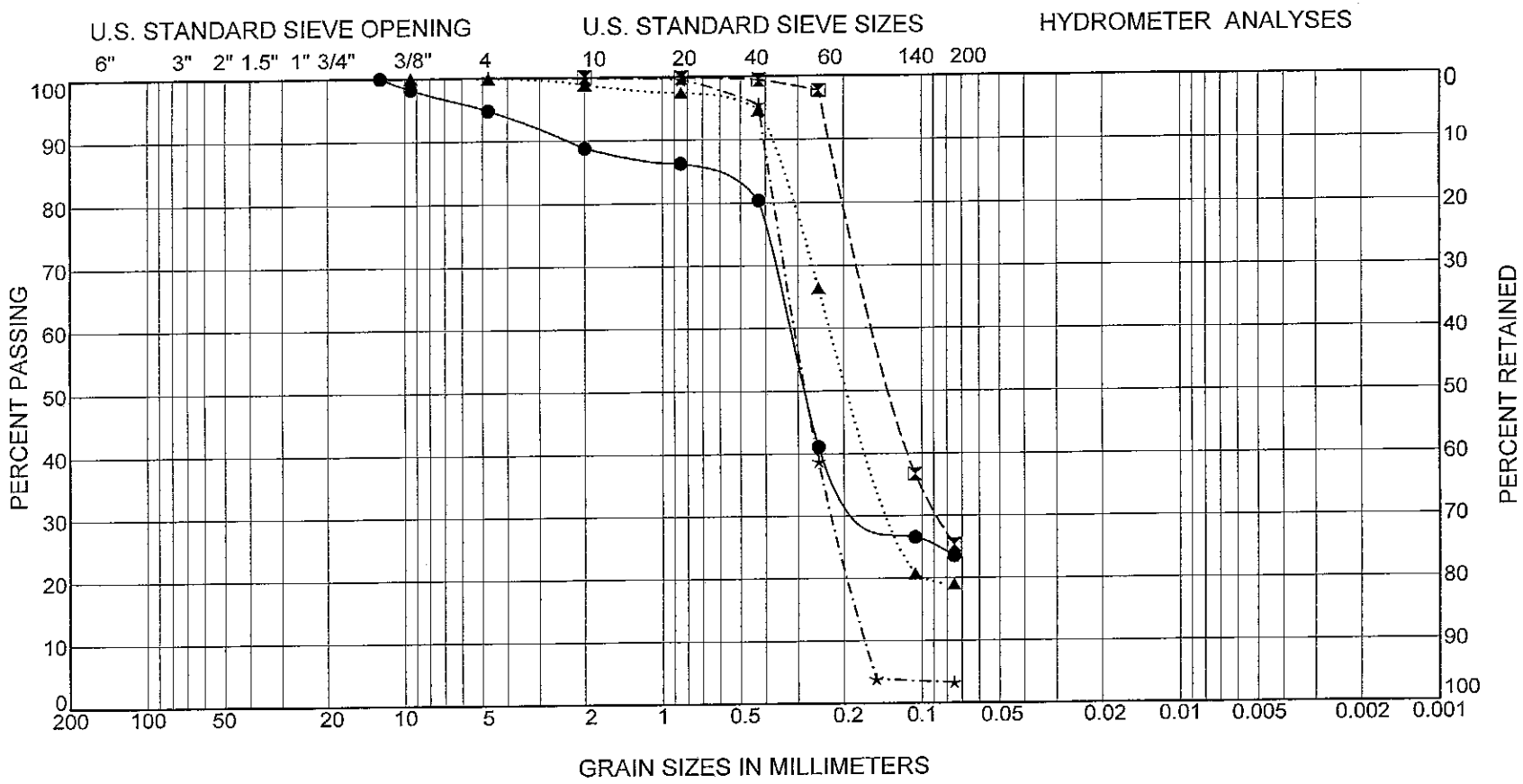
PLATE NO: B-2A

GRAIN SIZE DISTRIBUTION CURVES

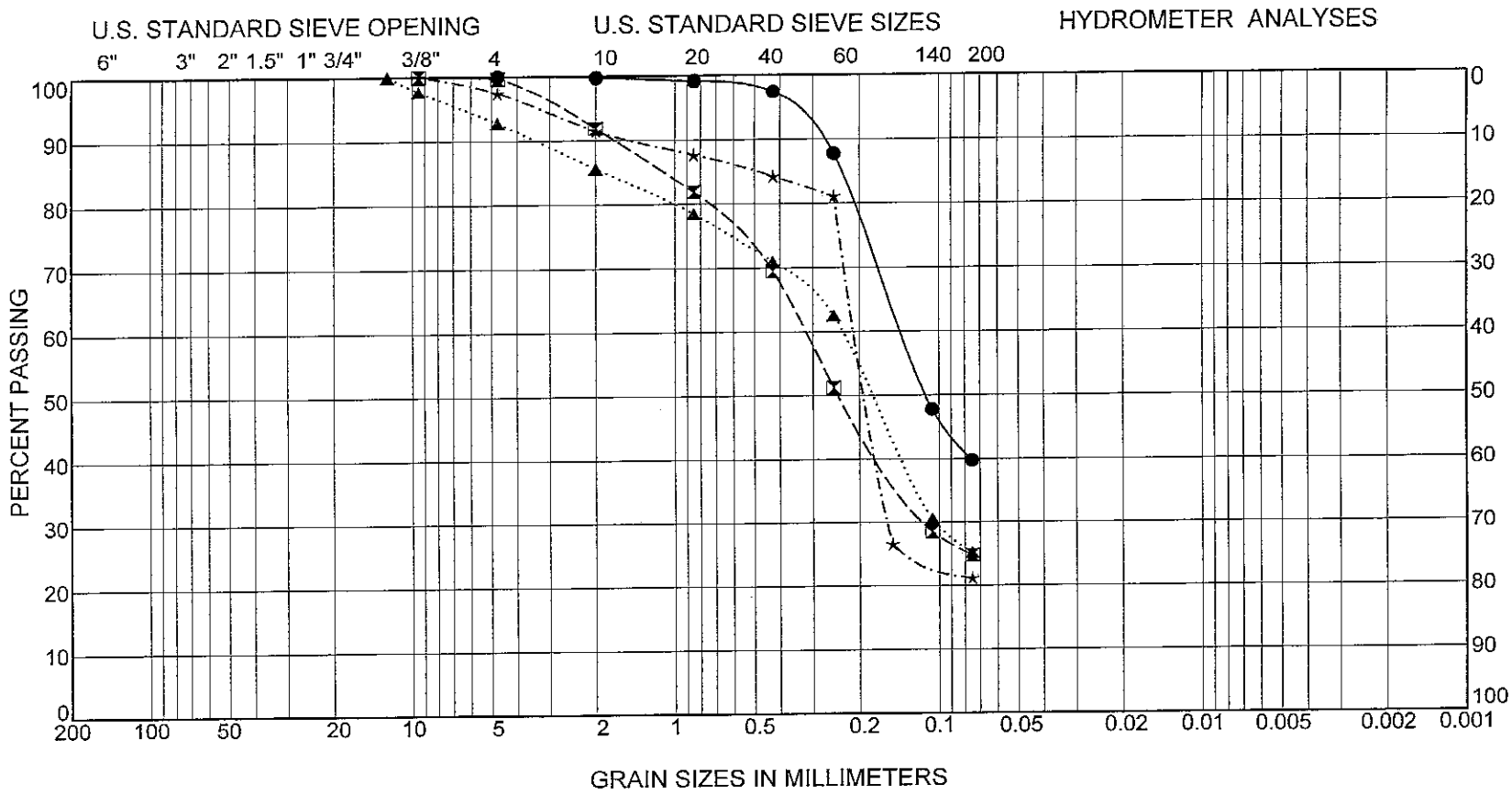
COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Description
A-10-102	MC-3	5.0	●			CLAYEY SAND (SC)
A-10-103	MC-4	11.0	⊠			SILTY SAND (SM)
A-10-104	MC-3	3.0	▲			SILTY SAND (SM)
A-10-105	MC-2	3.5	★			Poorly graded SAND (SP)

GRAIN SIZE DISTRIBUTION CURVES

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Description
A-10-108	MC-5	16.0	●			CLAYEY SAND (SC)
A-10-109	MC-4	11.0	⊠			CLAYEY SAND (SC)
A-10-111	MC-2	3.5	▲			CLAYEY SAND (SC)
A-10-113	MC-5	5.0	★			CLAYEY SAND (SC)

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PLATE NO: B-2B

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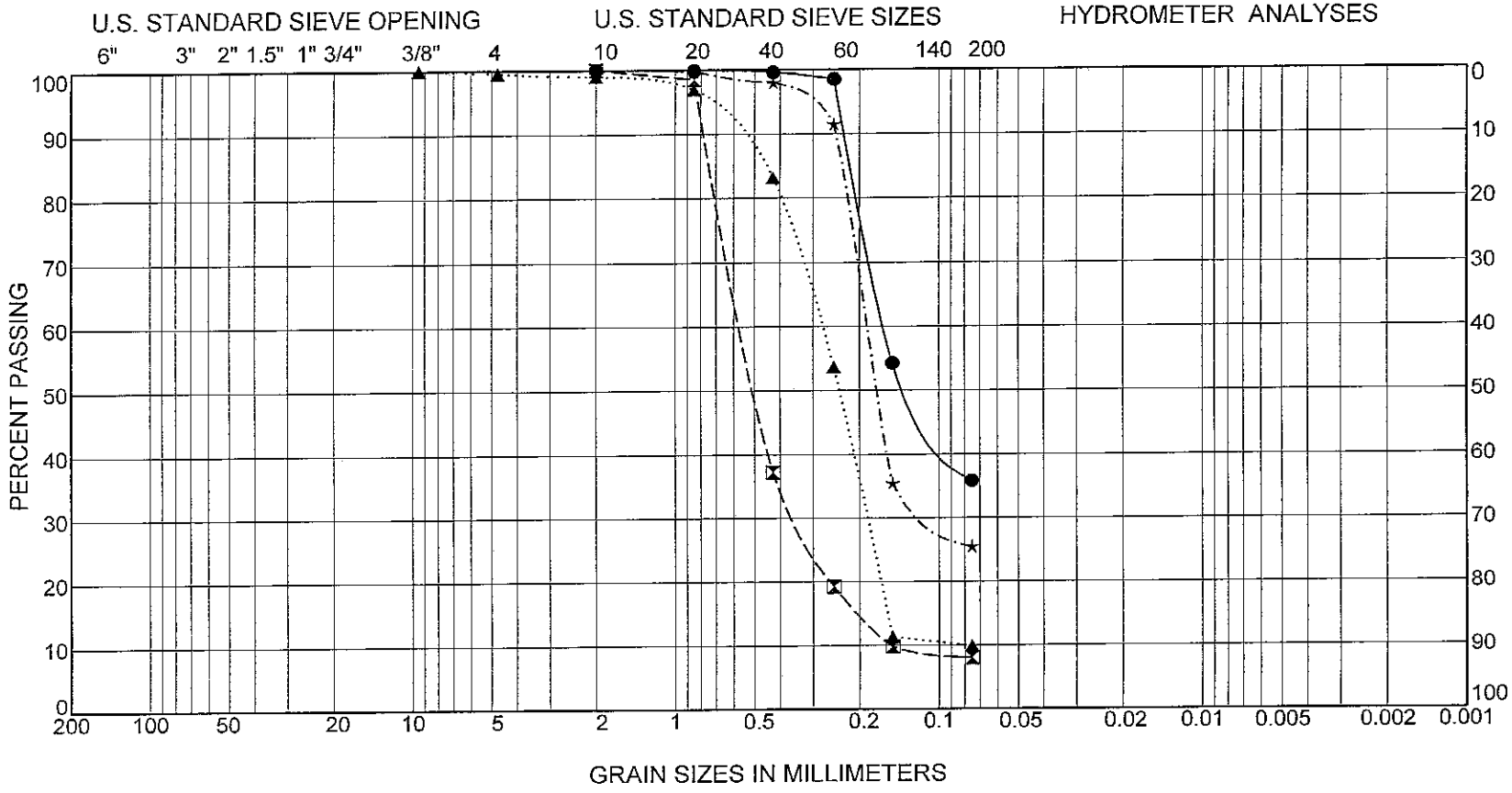
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

PLATE NO: B-2C

GRAIN SIZE DISTRIBUTION CURVES

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Description
A-10-120	MC-4	11.0	●			SILTY SAND (SM)
A-10-122	SPT-4	11.0	⊠			Poorly-graded SAND with SILT (SP-SM)
A-10-124	MC-5	16.0	▲			Poorly-graded SAND with SILT (SP-SM)
A-10-125	MC-5	16.0	★			SILTY SAND (SM)

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PLATE NO: B-2D

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
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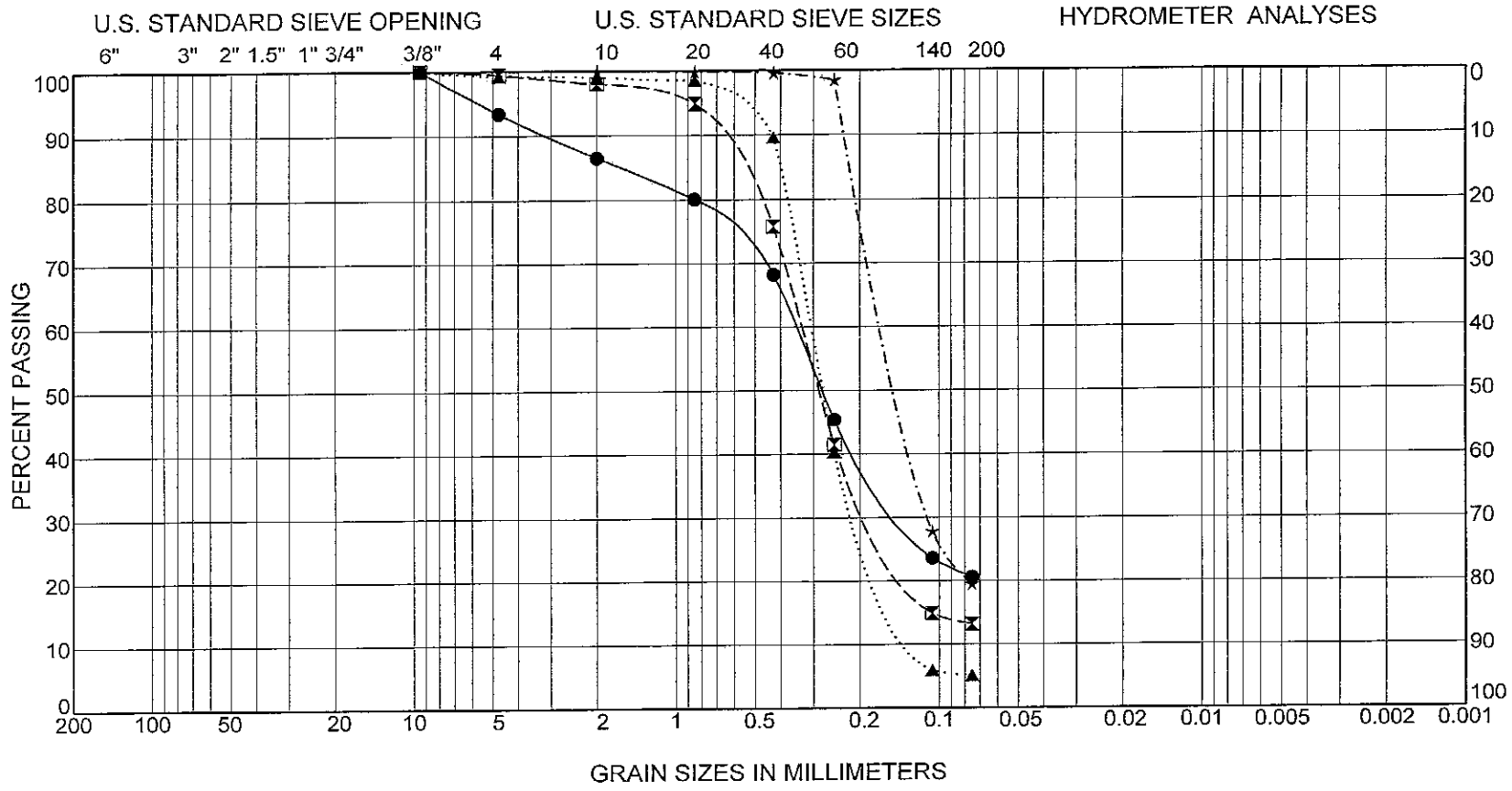
GRAIN SIZE DISTRIBUTION CURVES

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Description
A-11-101	SPT-2	5.0	●			SILTY SAND
A-11-107	SPT-1	3.0	⊠			SILTY SAND
A-11-127	SPT-1	2.0	▲			Poorly graded SAND with SILT
A-11-128	SPT-3	11.0	★			SILTY SAND

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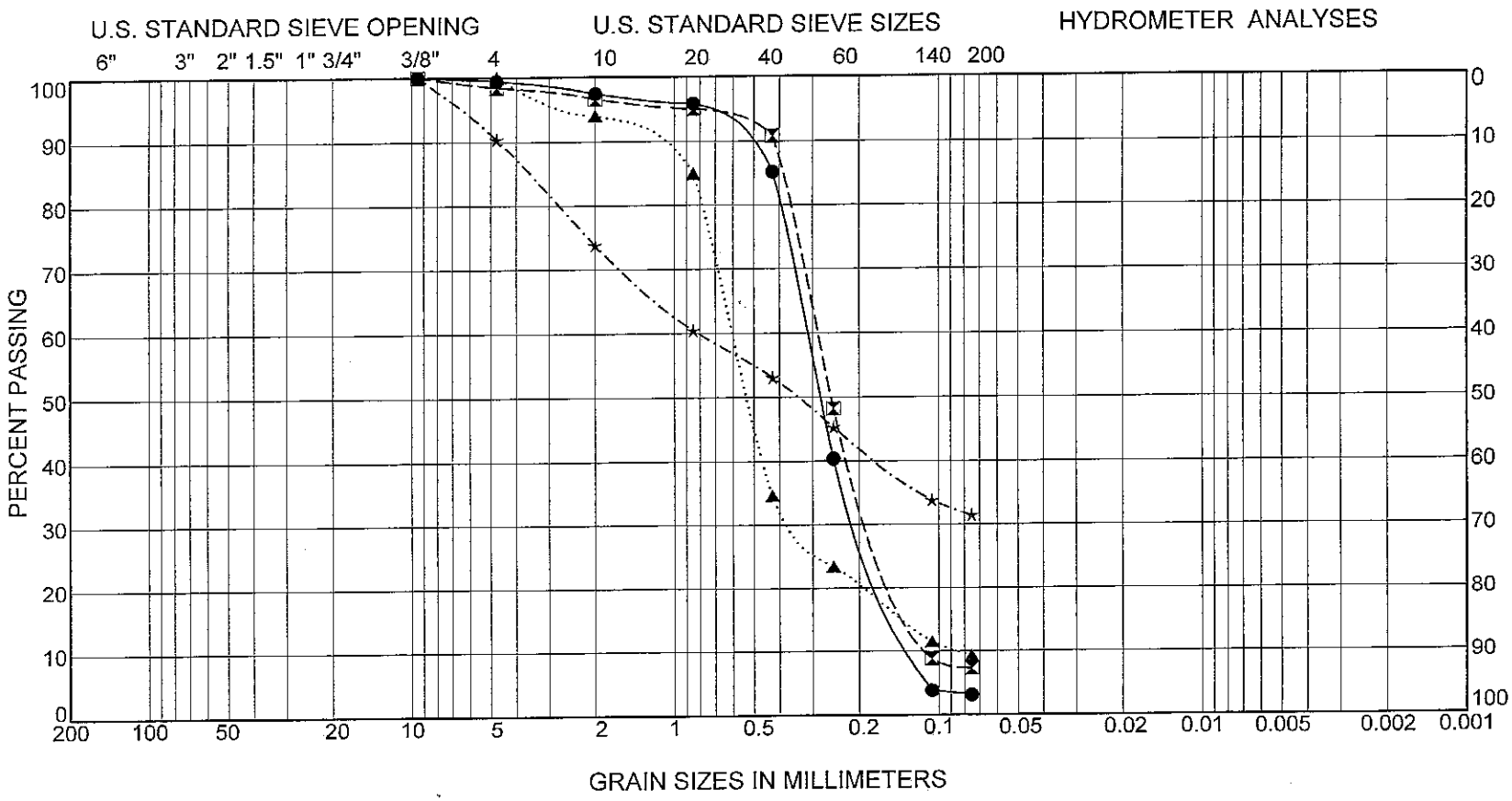
PLATE NO: B-2E

GRAIN SIZE DISTRIBUTION CURVES

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Description
A-11-129	SPT-2	6.0	●			Poorly graded SAND
A-11-133	MC-1	3.0	⊠			Poorly graded SAND with SILT
A-11-136	MC-4	15.0	▲			Well-graded GRAVEL with SILT
A-11-137	SPT-1	3.0	★			CLAYEY SAND

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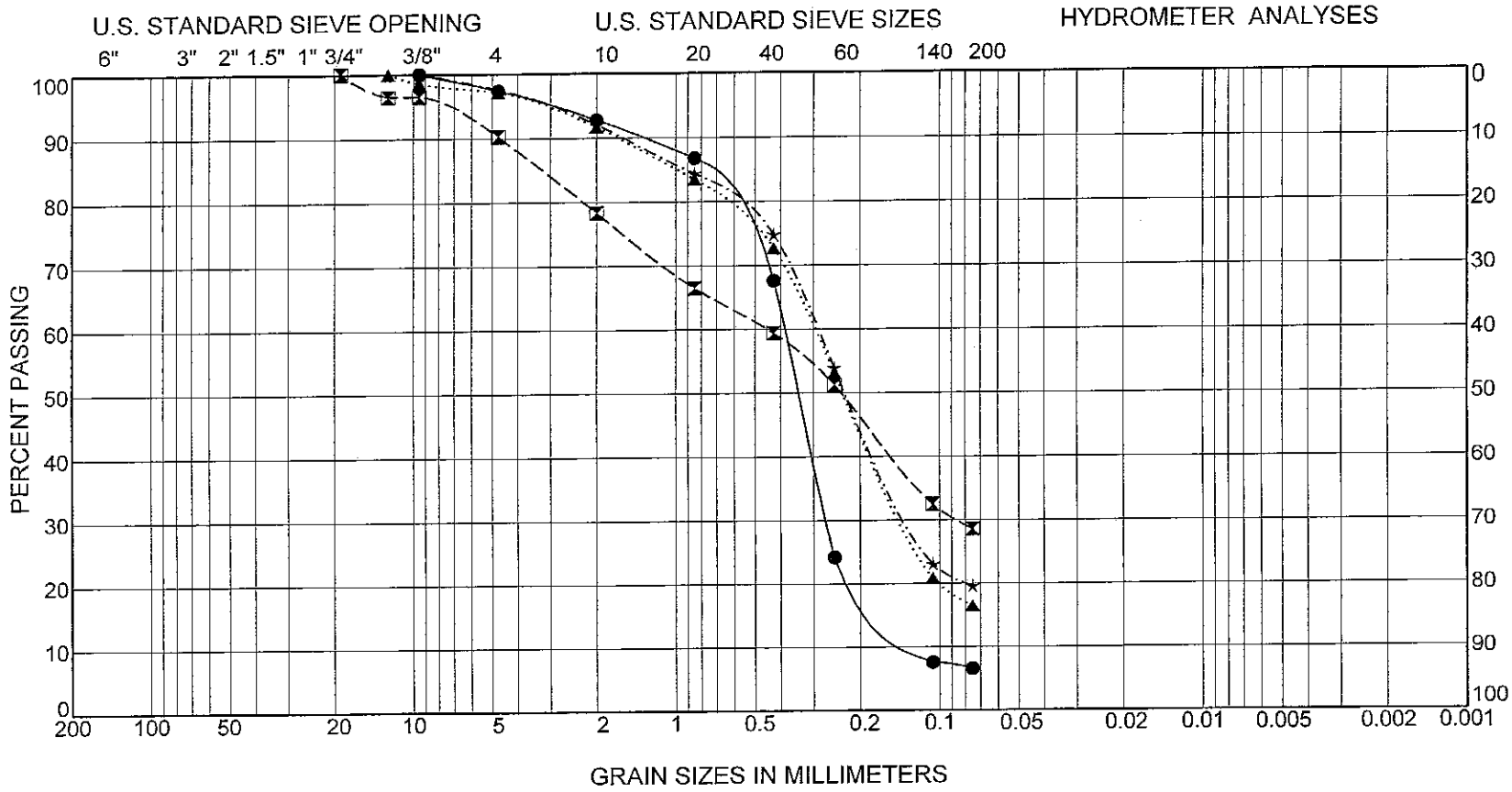
GRAIN SIZE DISTRIBUTION CURVES

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Description
A-11-139	SPT-1	2.0	●			Poorly graded SAND with SILT
A-11-140	SPT-1	2.0	⊠			SILTY SAND
A-11-140	SPT-2	6.0	▲			SILTY SAND
A-11-141	SPT-2	6.0	★			CLAYEY SAND

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JOB NO: 2010-143

PLATE NO: B-2F

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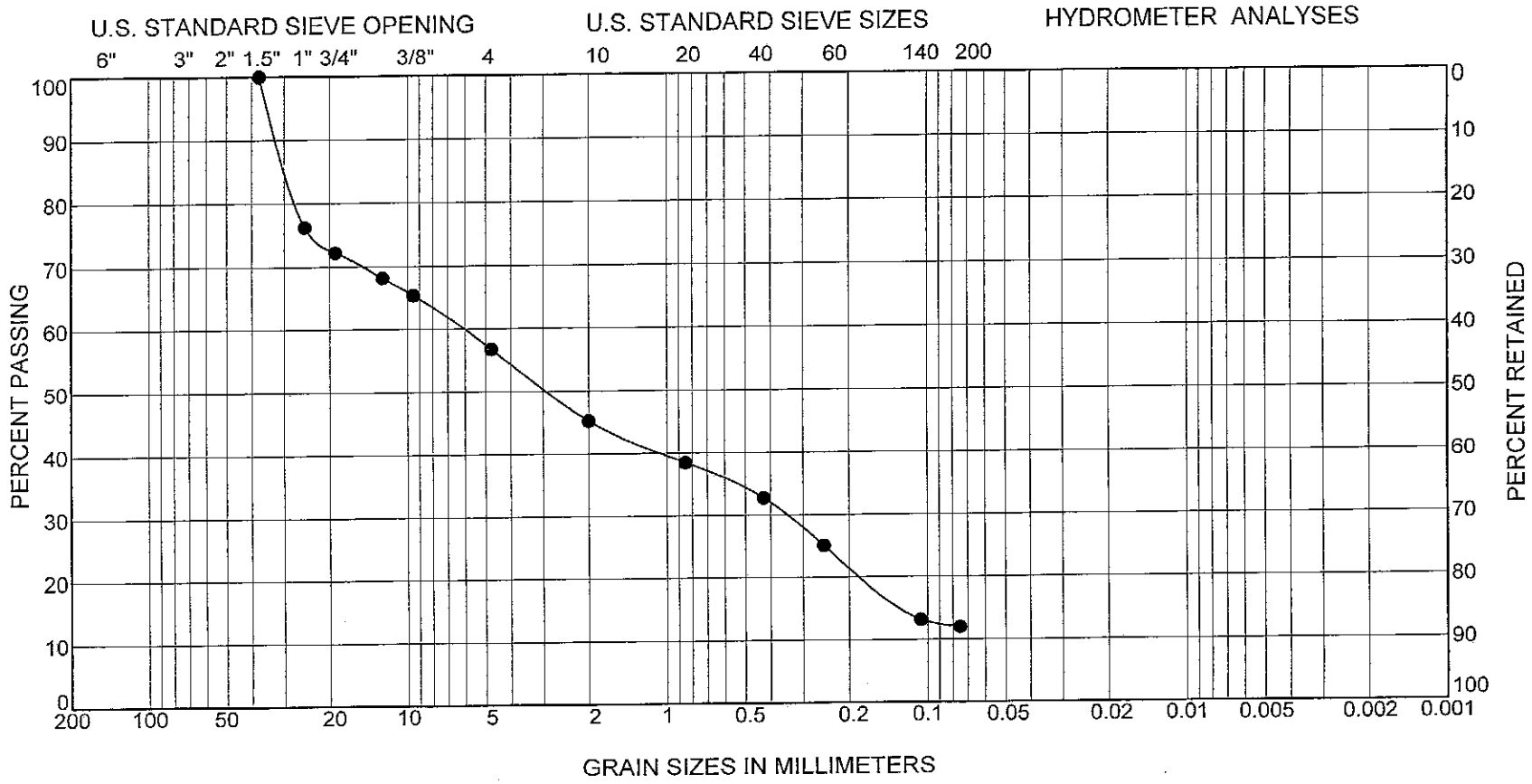
JOB NO: 2010-143

PLATE NO: B-2G

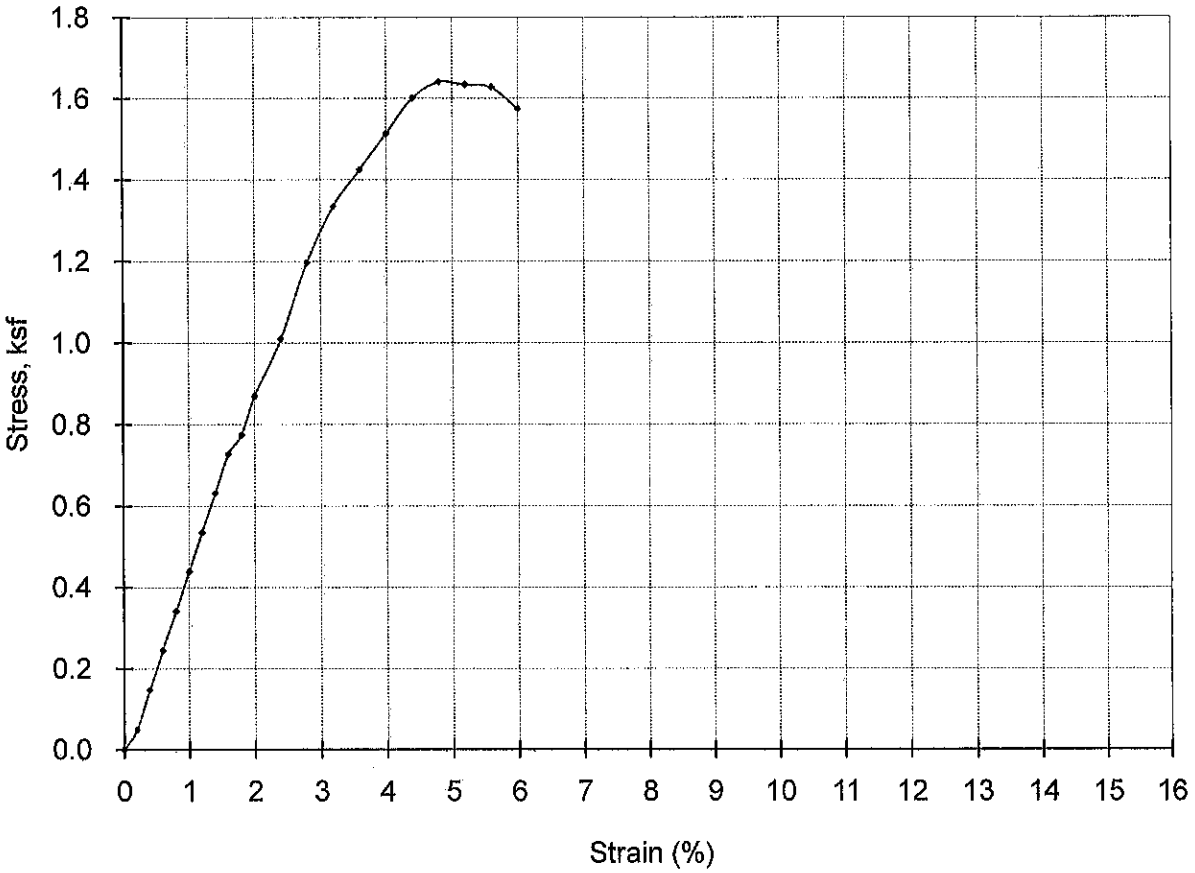
GRAIN SIZE DISTRIBUTION CURVES

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Description
A-11-142	SPT-1	2.0	●			Poorly graded SAND with SILT and GRAVEL

UNCONFINED COMPRESSION TEST



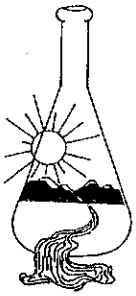
Boring No.: R-10-118

Sample No. : 3 **Maximum Strength (ksf):** 1.64

Depth (feet): 5 **Strain @ Failure (%):** 4.80

Material Description:
Firm, Sandy Lean Clay

PARIKH CONSULTANTS, INC. GEOTECHNICAL CONSULTANTS MATERIALS TESTING	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT KINGS BEACH, CALIFORNIA	
	JOB NO.: 2010-143-402	PLATE NO.: B3



Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 12/15/2010
Date Submitted 12/09/2010

To: Prav Dayah
Parikh Consultants, Inc.
2360 Qume Dr, Ste.A
San Jose, CA 95131

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 2010-143-402/KINGS B Site ID : A10-102#2 @ 3.5.
Thank you for your business.

* For future reference to this analysis please use SUN # 59367-120994.

EVALUATION FOR SOIL CORROSION

Soil pH	5.60		
Minimum Resistivity	2.17 ohm-cm (x1000)		
Chloride	103.5 ppm	00.01035	%
Sulfate	17.6 ppm	00.00176	%

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

PLATE NO.: B-4A

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 12/15/2010
Date Submitted 12/09/2010

To: Prav Dayah
Parikh Consultants, Inc.
2360 Qume Dr, Ste.A
San Jose, CA 95131

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 2010-143-402/KINGS B Site ID : A10-103#3 @ 5.
Thank you for your business.

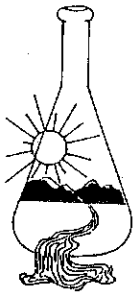
* For future reference to this analysis please use SUN # 59367-120995.

EVALUATION FOR SOIL CORROSION

Soil pH	6.33		
Minimum Resistivity	5.90 ohm-cm (x1000)		
Chloride	22.3 ppm	00.00223	%
Sulfate	1.7 ppm	00.00017	%

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

PLATE NO.: B-4B



Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 12/15/2010
Date Submitted 12/09/2010

To: Prav Dayah
Parikh Consultants, Inc.
2360 Qume Dr, Ste.A
San Jose, CA 95131

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 2010-143-402/KINGS B Site ID : A10-109#3 @ 5.
Thank you for your business.

* For future reference to this analysis please use SUN # 59367-120996.

EVALUATION FOR SOIL CORROSION

Soil pH	5.97	
Minimum Resistivity	1.74 ohm-cm (x1000)	
Chloride	38.1 ppm	00.00381 %
Sulfate	2.8 ppm	00.00028 %

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

PLATE NO.: B-4C

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 12/15/2010
Date Submitted 12/09/2010

To: Prav Dayah
Parikh Consultants, Inc.
2360 Qume Dr, Ste.A
San Jose, CA 95131

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 2010-143-402/KINGS B Site ID : A10-112#3 @ 5.
Thank you for your business.

* For future reference to this analysis please use SUN # 59367-120997.

EVALUATION FOR SOIL CORROSION

Soil pH	6.53		
Minimum Resistivity	3.75 ohm-cm (x1000)		
Chloride	29.8 ppm	00.00298	%
Sulfate	4.8 ppm	00.00048	%

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

PLATE NO.: B-4D

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 12/15/2010
Date Submitted 12/09/2010

To: Prav Dayah
Parikh Consultants, Inc.
2360 Qume Dr, Ste.A
San Jose, CA 95131

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager RA

The reported analysis was requested for the following location:
Location : 2010-143-402/KINGS B Site ID : A10-115#4 @ 11.
Thank you for your business.

* For future reference to this analysis please use SUN # 59367-120998.

EVALUATION FOR SOIL CORROSION

Soil pH	6.99	
Minimum Resistivity	5.90 ohm-cm (x1000)	
Chloride	30.4 ppm	00.00304 %
Sulfate	1.0 ppm	00.00010 %

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

PLATE NO.: B-4E

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 07/15/2011
Date Submitted 07/11/2011

To: Prav Dayah
Parikh Consultants, Inc.
2360 Qume Dr, Ste.A
San Jose, CA 95131

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : KNGS BE 2010-143-402 Site ID : A-11-128 #1@3.
Thank you for your business.

* For future reference to this analysis please use SUN # 60473-123793.

EVALUATION FOR SOIL CORROSION

Soil pH	6.74		
Minimum Resistivity	4.47 ohm-cm (x1000)		
Chloride	9.2 ppm	00.00092	%
Sulfate	1.0 ppm	00.00010	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

RECEIVED
JUL 18 2011
By

PLATE NO.: B-4F

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 07/15/2011
Date Submitted 07/11/2011

To: Prav Dayah
Parikh Consultants, Inc.
2360 Qume Dr, Ste.A
San Jose, CA 95131

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : KNGS BE 2010-143-402 Site ID : A11-139 #2@6.
Thank you for your business.

* For future reference to this analysis please use SUN # 60473-123794.

EVALUATION FOR SOIL CORROSION

Soil pH	6.48	
Minimum Resistivity	3.75 ohm-cm (x1000)	
Chloride	13.3 ppm	00.00133 %
Sulfate	3.6 ppm	00.00036 %

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

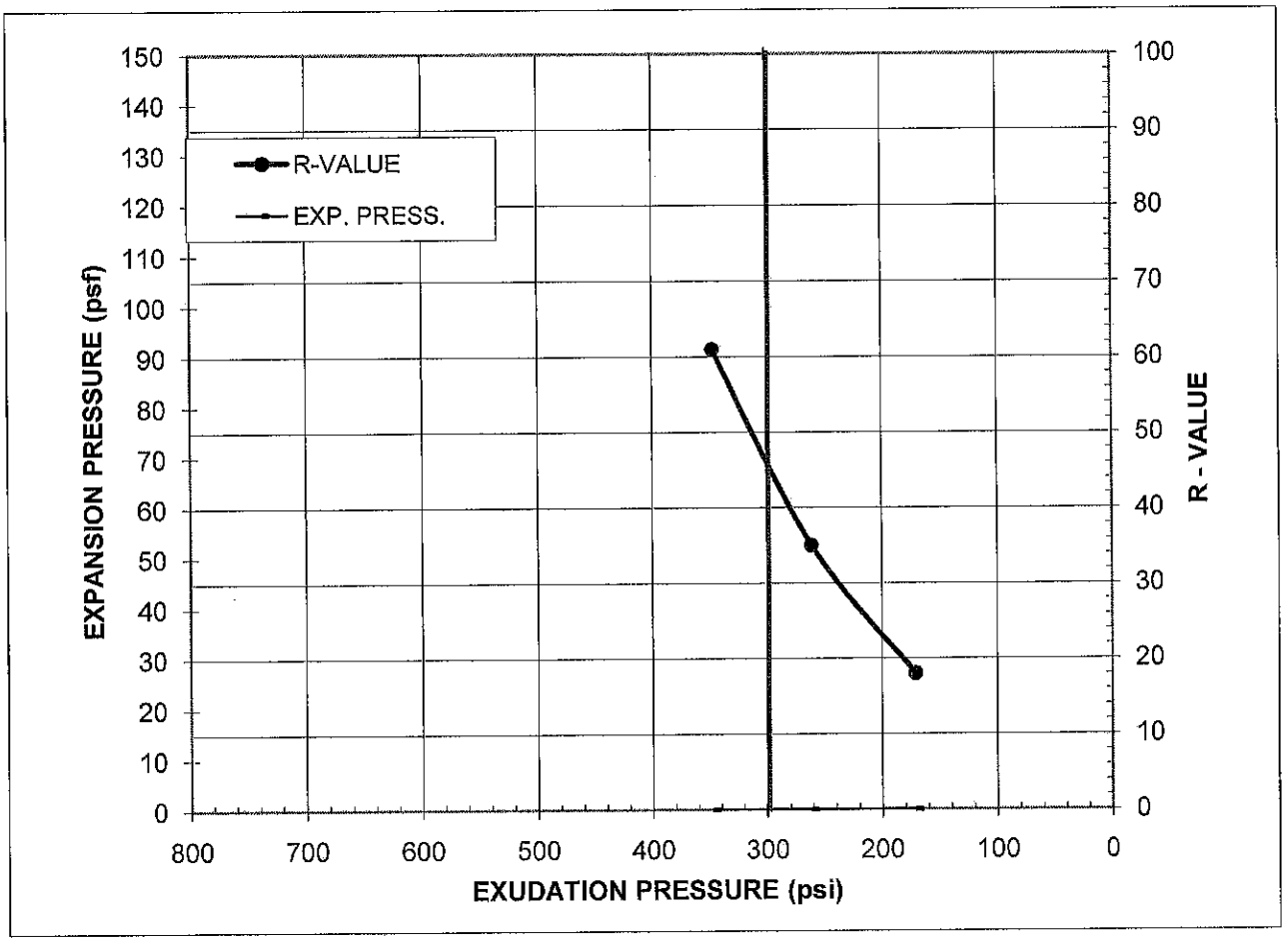
RECEIVED
JUL 18 2011
By

PLATE NO.: B-4G

R-VALUE REPORT

Parikh Consultants, Inc. — ASTM D2844 or CTM 301 — (408) 452-9000

Project Name:	Kings Beach Commercial Core Improvement Project			Date:	12/7/10
Client:	Dokken Engineering, Inc.			Project #:	2010-143-402
Sample #:	A-10-108	Depth:	0'-5'	Lab #:	M800
Location / Source:	Kings Beach, CA / Native			Sample Date:	
Material :	Silty Sand with some Clay and Gravel, dark brown			Sampled By:	



Specimen No.	A	B	C
Exudation Pressure, psi	171	261	347
Expansion Pressure, psf	0	0	0
R-Value	18	35	61
Moisture Content at Test, %	13.5	13.1	12.6
Dry Density at Test, pcf	121.8	123.2	123.6

R-Value @ 300 psi Exudation Pressure = **45**

Expansion Pressure @300 psi Exudation, psf = 0

Minimum R-Value Requirement:

Comments:

Report By: Prav Dayah

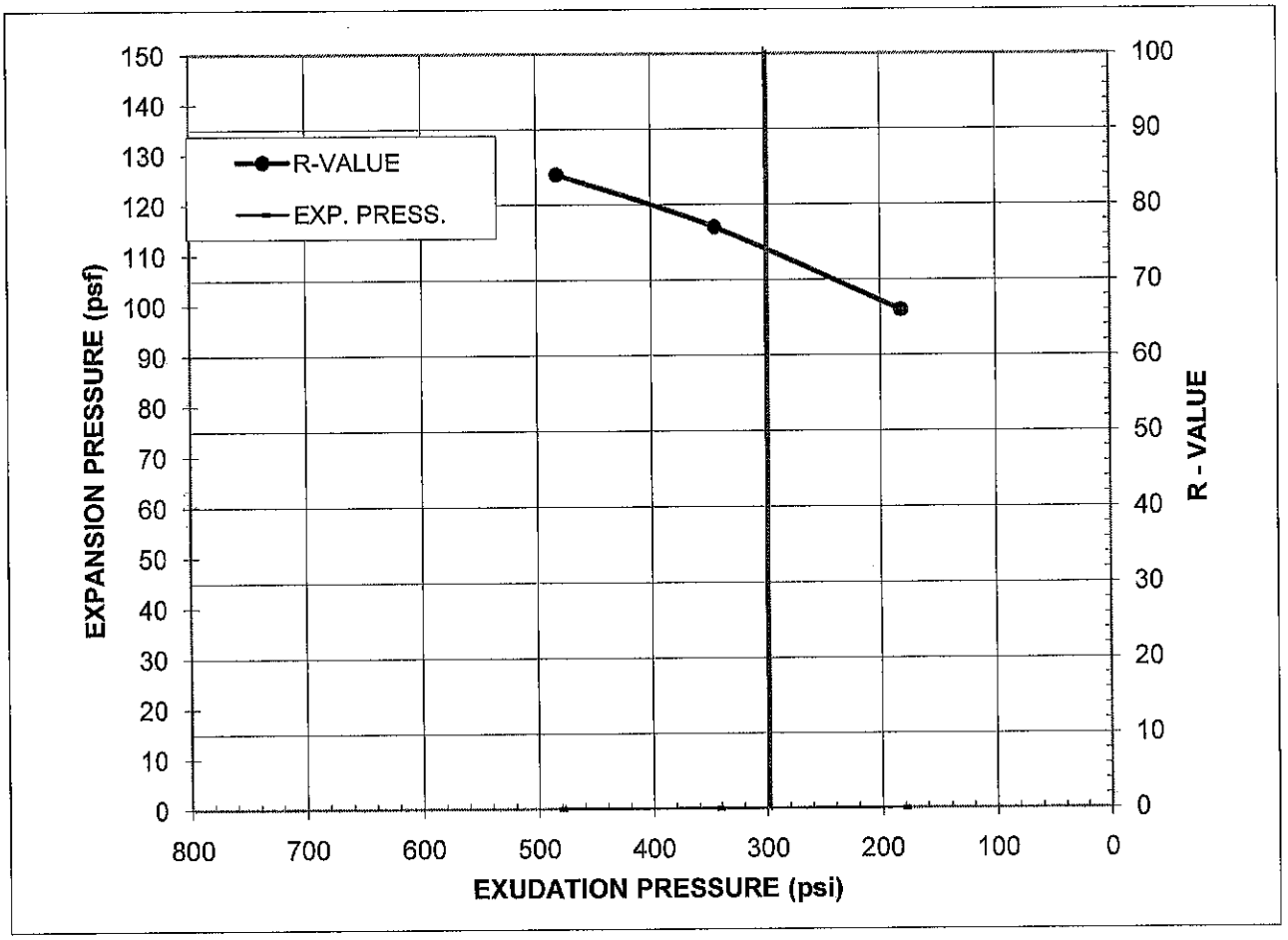
PLATE NO.: B-5A

RVALUE with calcs pdp

R-VALUE REPORT

Parikh Consultants, Inc. — ASTM D2844 or CTM 301 — (408) 452-9000

Project Name:	Kings Beach Commercial Core Improvement Project			Date:	12/7/10
Client:	Dokken Engineering, Inc.			Project #:	2010-143-402
Sample #:	A-10-126	Depth:	0'-5'	Lab #:	M800
Location / Source:	Kings Beach, CA / Native			Sample Date:	
Material :	Well graded Sand with Silt and Gravel, reddish brown			Sampled By:	



Specimen No.	A	B	C
Exudation Pressure, psi	182	344	482
Expansion Pressure, psf	0	0	0
R-Value	66	77	84
Moisture Content at Test, %	11.5	11.3	11.1
Dry Density at Test, pcf	125.3	125.8	126.9

R-Value @ 300 psi Exudation Pressure = **74**

Expansion Pressure @300 psi Exudation, psf = **0**

Minimum R-Value Requirement:

Comments:

Report By: Prav Dayah

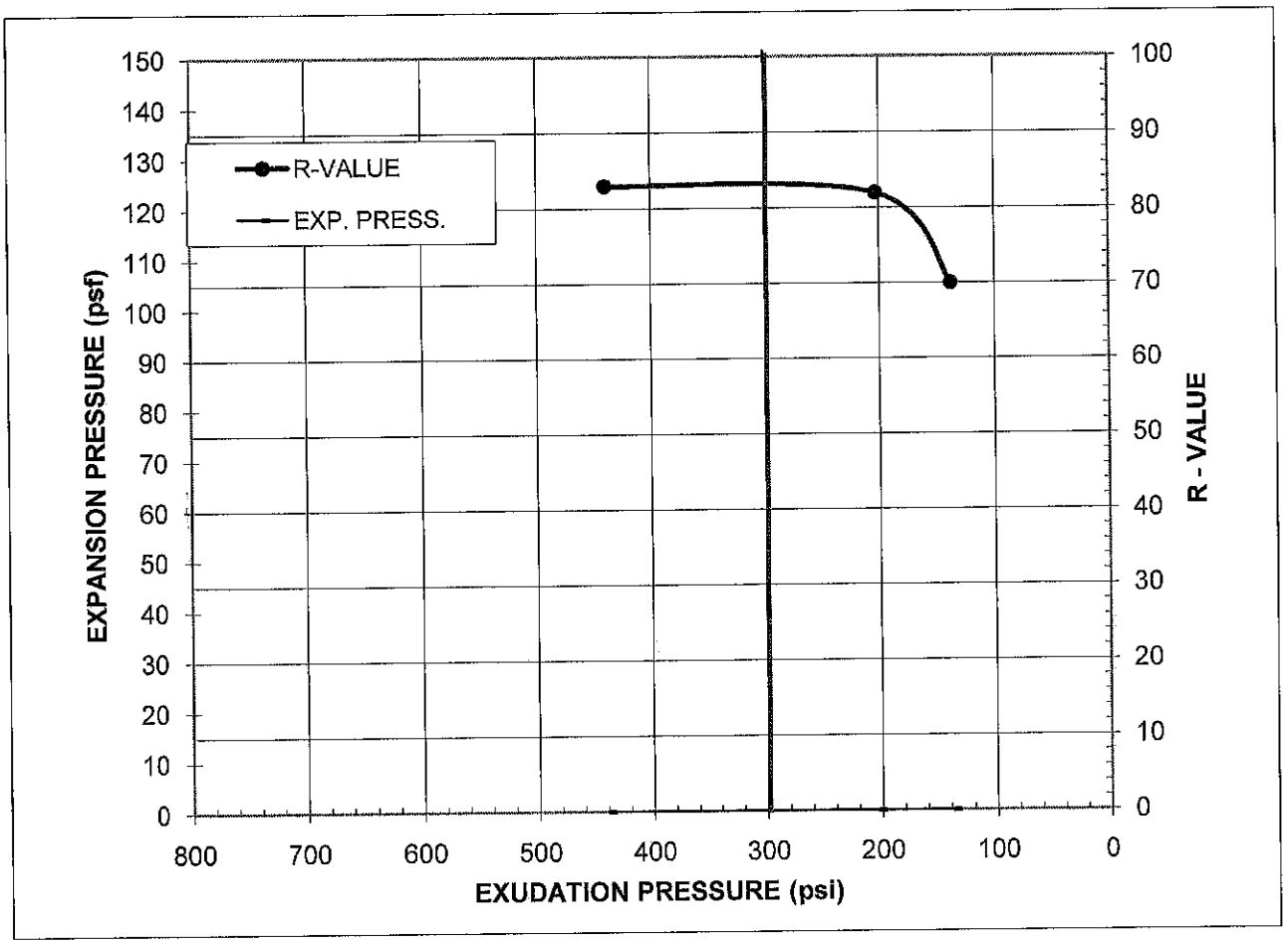
PLATE NO.: B-5B

RVALUE with calcs pdp

R-VALUE REPORT

Parikh Consultants, Inc. — ASTM D2844 or CTM 301 — (408) 452-9000

Project Name:	Kings Beach Commercial Core Improvement Project			Date:	12/7/10
Client:	Dokken Engineering, Inc.			Project #:	2010-143-402
Sample #:	A-10-130	Depth:	0'-5'	Lab #:	M800
Location / Source:	Kings Beach, CA / Native			Sample Date:	
Material :	Well graded Sand with Silt and Gravel, brown			Sampled By:	



Specimen No.	A	B	C
Exudation Pressure, psi	138	203	440
Expansion Pressure, psf	0	0	0
R-Value	70	82	83
Moisture Content at Test, %	9.6	9.1	8.7
Dry Density at Test, pcf	123.7	126.3	129.0

R-Value @ 300 psi Exudation Pressure = 83

Expansion Pressure @300 psi Exudation, psf = **0**

Minimum R-Value Requirement:

Comments:

Report By: Prav Dayah

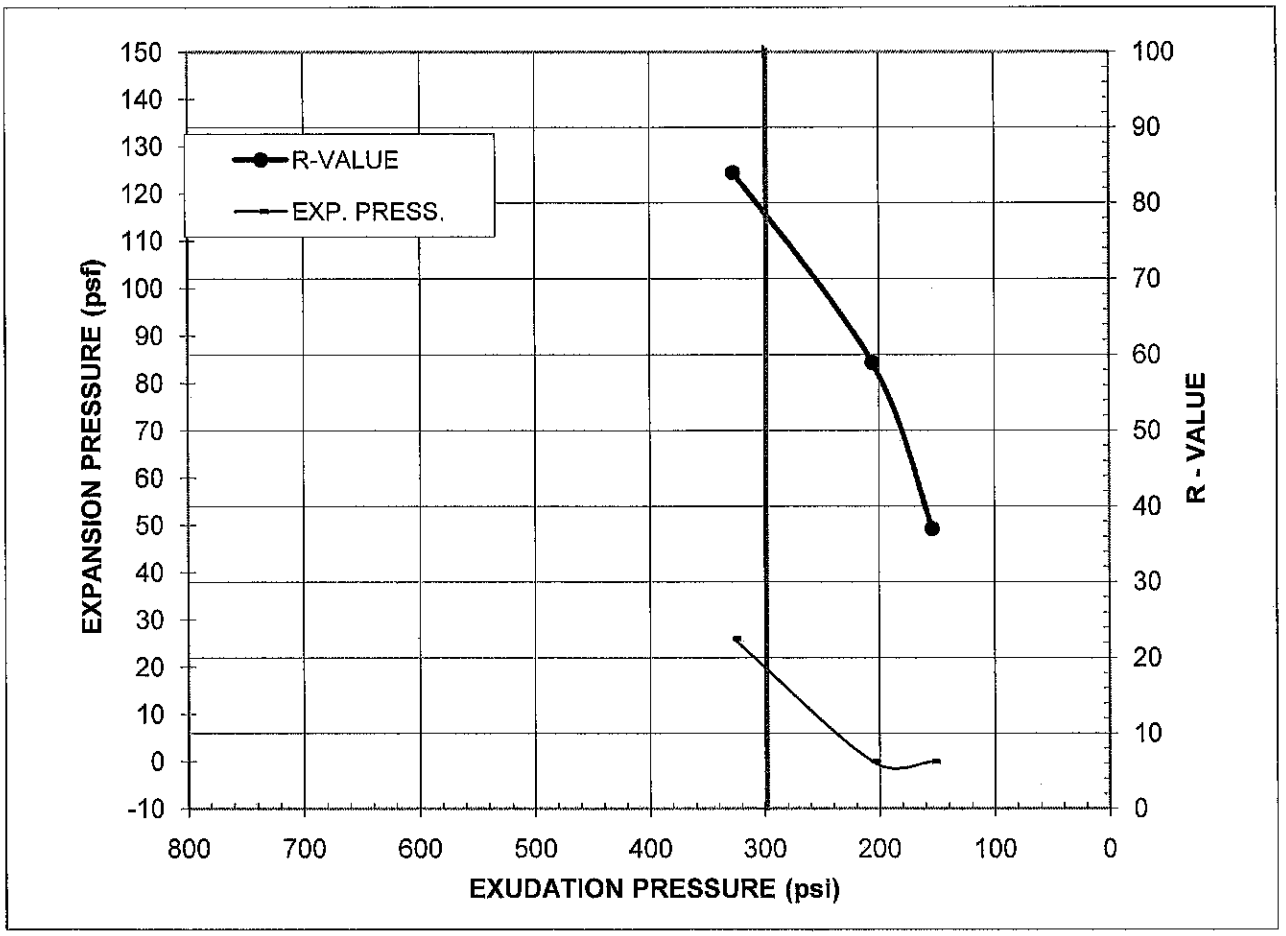
PLATE NO.: B-5C

RVALUE with calcs pdp

R-VALUE REPORT

Parikh Consultants, Inc. | ASTM D2844 or CTM 301 | (408) 452-9000

Project Name:	Kings Beach Commercial Core Improvement Project			Date:	7/6/11
Client:	Dokken Engineering, Inc.			Project #:	2010-143-402
Sample #:	A-11-136	Depth:	0'-5'	Lab #:	M800
Location / Source:	On-site / Native			Sample Date:	
Material :	Silty Sand, brown				



Specimen No.	A	B	C
Exudation Pressure, psi	154	206	327
Expansion Pressure, psf	0	0	26
R-Value	37	59	84
Moisture Content at Test, %	12.0	11.1	10.2
Dry Density at Test, pcf	124.9	125.2	125.3

R-Value @ 300 psi Exudation Pressure = 78

Expansion Pressure @300 psi Exudation, psf = **20**

Minimum R-Value Requirement:

Comments:

Report By: Prav Dayah

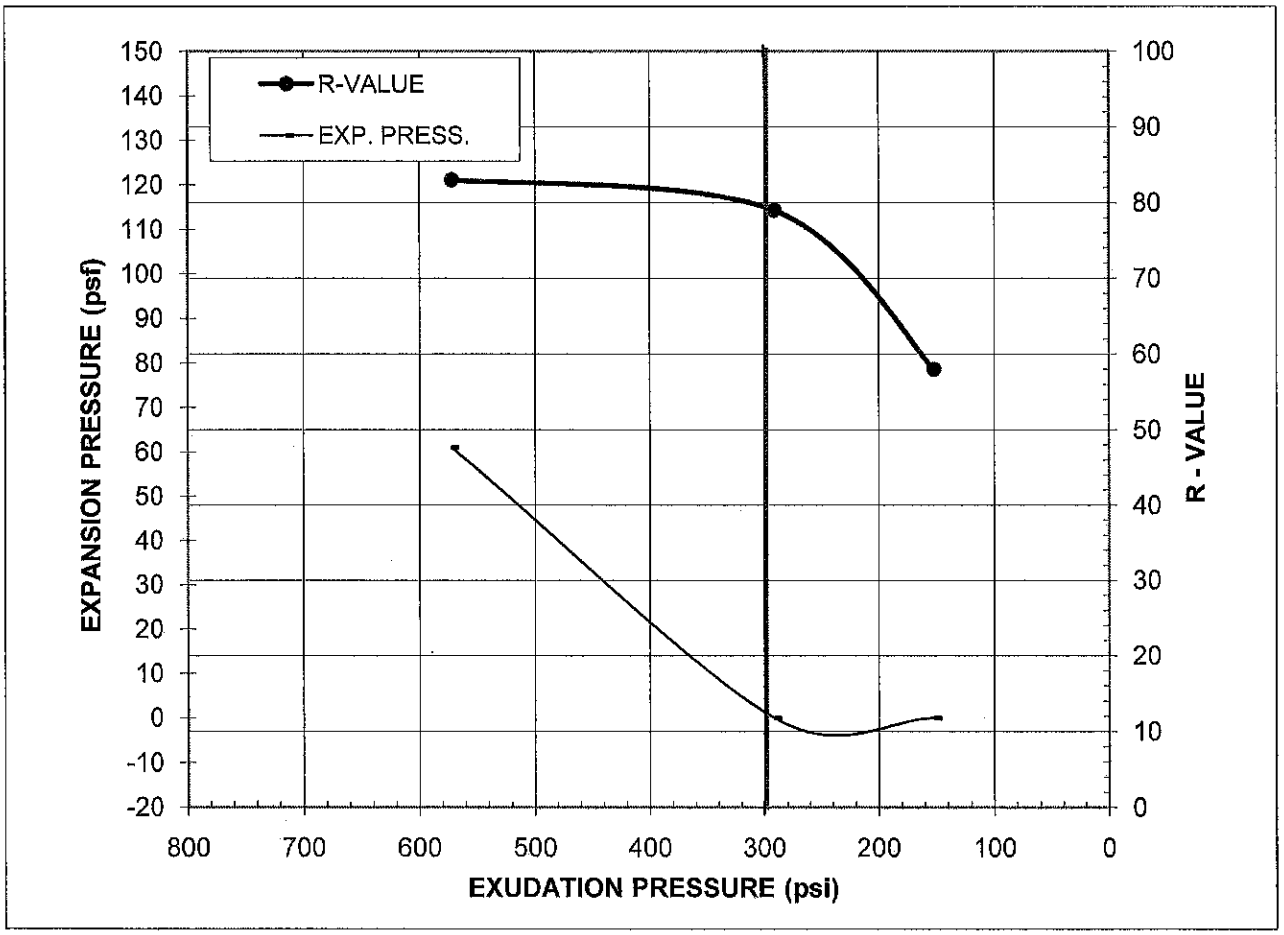
PLATE NO.: B-5D

RVALUE with calcs pdp

R-VALUE REPORT

Parikh Consultants, Inc. | ASTM D2844 or CTM 301 | (408) 452-9000

Project Name:	Kings Beach Commercial Core Improvement Project			Date:	7/6/11
Client:	Dokken Engineering, Inc.			Project #:	2010-143-402
Sample #:	A-11-141	Depth:	0'-5'	Lab #:	M800
Location / Source:	On-site / Native			Sample Date:	
Material :	Silty Sand with traces of Gravel, brown				



Specimen No.	A	B	C
Exudation Pressure, psi	152	291	572
Expansion Pressure, psf	0	0	61
R-Value	58	79	83
Moisture Content at Test, %	15.7	14.7	14.2
Dry Density at Test, pcf	114.9	115.7	116.1

R-Value @ 300 psi Exudation Pressure = 80

Expansion Pressure @300 psi Exudation, psf = **0**

Minimum R-Value Requirement:

Comments:

Report By: Prav Dayah

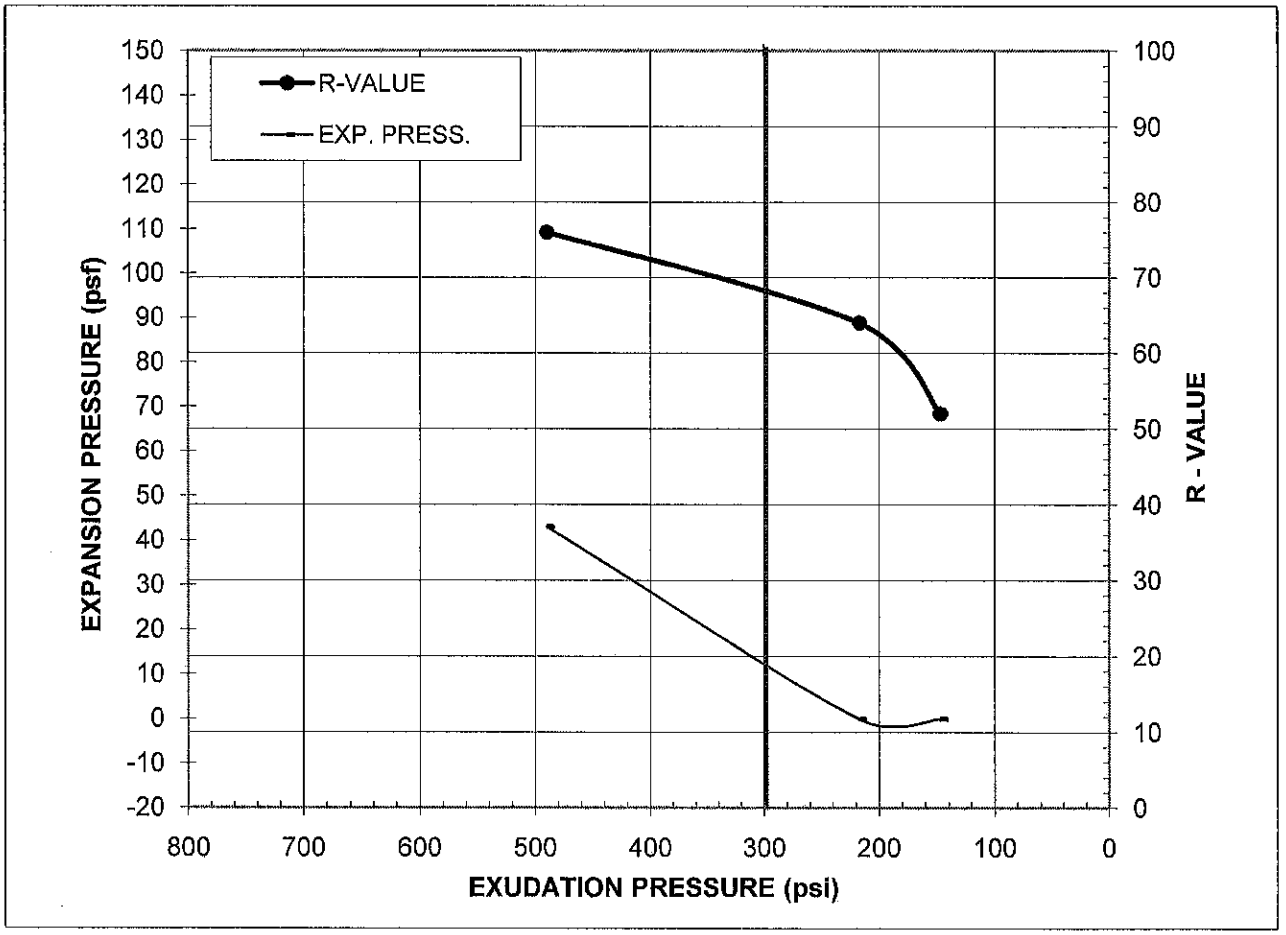
PLATE NO.: B-5E

RVALUE with calcs pdp

R-VALUE REPORT

Parikh Consultants, Inc. | ASTM D2844 or CTM 301 | (408) 452-9000

Project Name:	Kings Beach Commercial Core Improvement Project			Date:	7/6/11
Client:	Dokken Engineering, Inc.			Project #:	2010-143-402
Sample #:	A-11-142	Depth:	0'-5'	Lab #:	M800
Location / Source:		On-site / Native		Sample Date:	
Material :	Silty Sand with traces of Gravel, brown				



Specimen No.	A	B	C
Exudation Pressure, psi	147	217	490
Expansion Pressure, psf	0	0	43
R-Value	52	64	76
Moisture Content at Test, %	16.4	15.5	14.5
Dry Density at Test, pcf	110.6	111.3	112.3

R-Value @ 300 psi Exudation Pressure = 68

Expansion Pressure @300 psi Exudation, psf = **10**

Minimum R-Value Requirement:

Comments:

Report By: Prav Dayah

PLATE NO.: B-5F

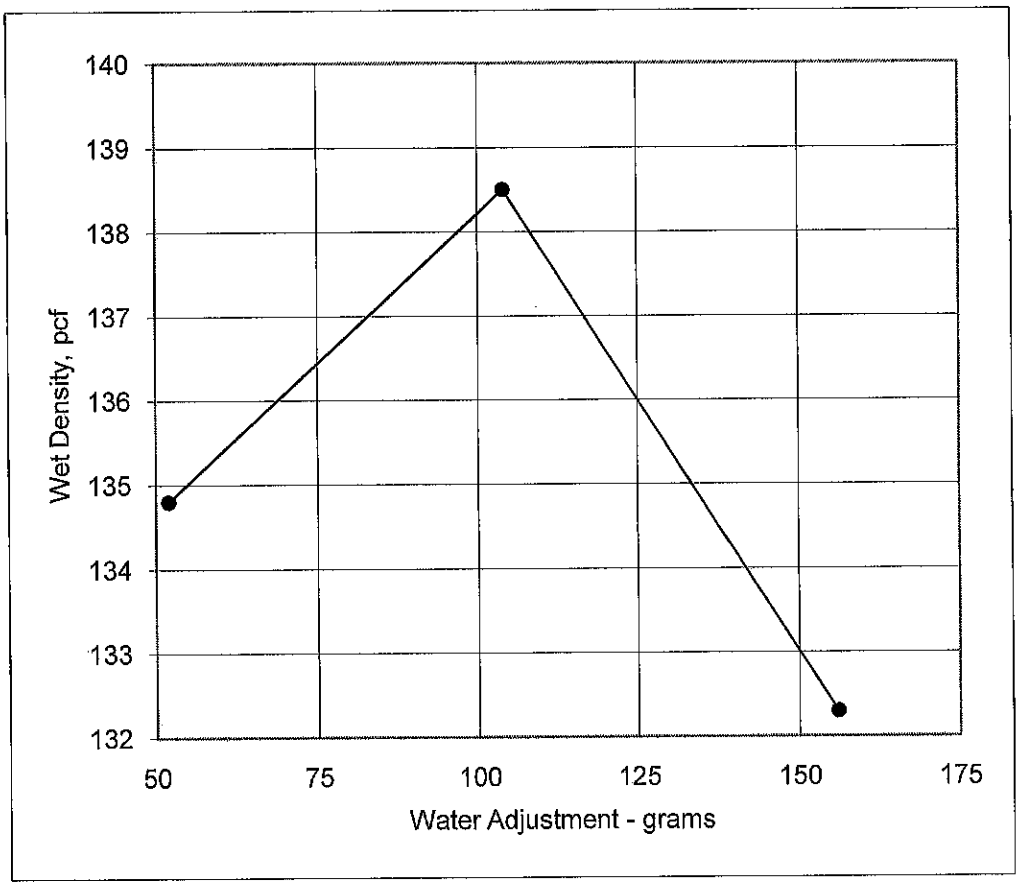
RVALUE with calcs pdp

Parikh Consultants

LABORATORY COMPACTION REPORT
CALIFORNIA TEST - 216

(408) 452-9000

Project:	Kings Beach Commercial Core Improvement			Date:	12/9/10
Client:	Dokken Engineering			Project #:	2010-143-402
Sample #:	A-10-108	Depth:	0'-5'	Lab #:	M800
Location/Source:	Kings Beach, CA / Native			Sample Date:	
Material:	Silty Sand with some Clay & Gravel, dark brown			Sampled By:	



CALIFORNIA TEST - 216

Laboratory Test Results

Trial #	1	2	3	4
Water Content %		5.9	7.9	9.5
Water Adjustment - gms		52.0	104.0	156.0
Wet Density, pcf		134.8	138.5	132.3

MAXIMUM WET DENSITY, pcf:	**138.5**	OPTIMUM MOISTURE, %:	**7.9**

Comments:

Report By: Prav D Dayah

PLATE NO.: B-6A

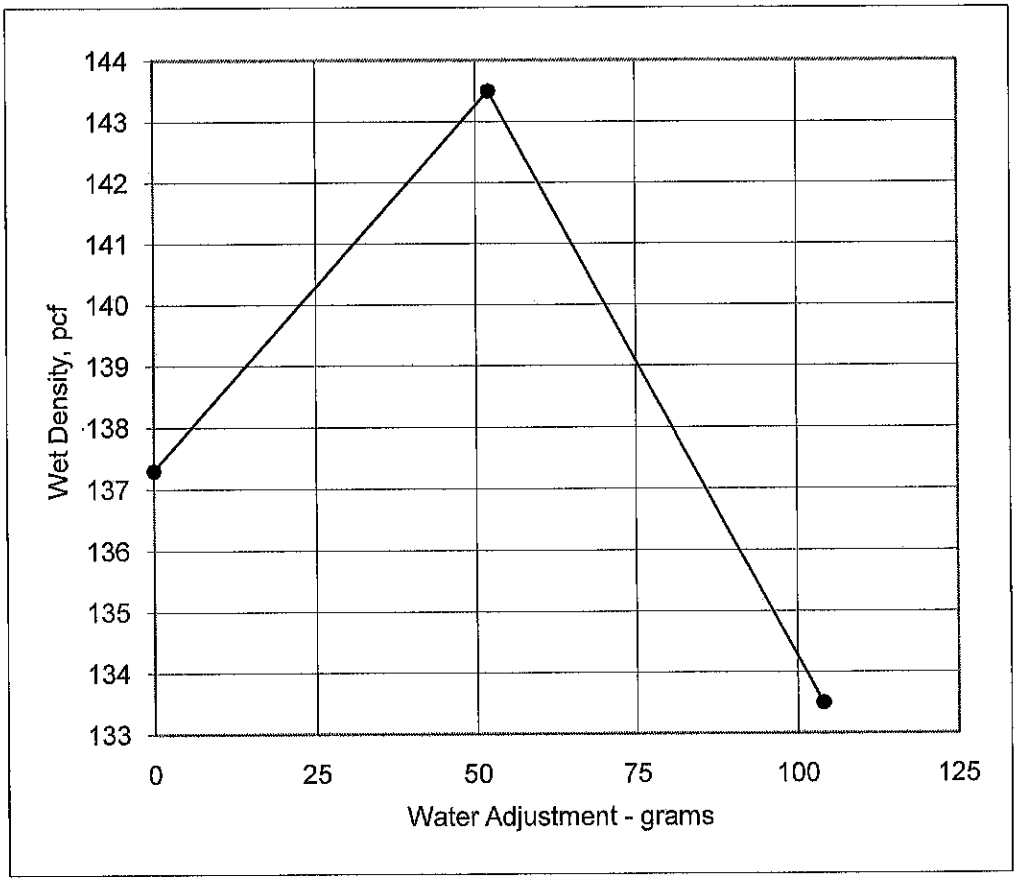
Real216 rev. 09/10/98

Parikh Consultants

LABORATORY COMPACTION REPORT
CALIFORNIA TEST - 216

(408) 452-9000

Project:	Kings Beach Commercial Core Improvement			Date:	12/9/10
Client:	Dokken Engineering			Project #:	2010-143-402
Sample #:	A-10-126	Depth:	0'-5'	Lab #:	M800
Location/Source:	Kings Beach, CA / Native			Sample Date:	
Material:	Well graded Sand with Silt and Gravel, reddish brown				



CALIFORNIA TEST - 216

Laboratory Test Results

Trial #	1	2	3	4
Water Content %		7	9.3	11.3
Water Adjustment - gms		0.0	52.0	104.0
Wet Density, pcf		137.3	143.5	133.5

MAXIMUM WET DENSITY, pcf:	**143.5**	OPTIMUM MOISTURE, %:	**9.3**

Comments:

Report By: Prav D Dayah

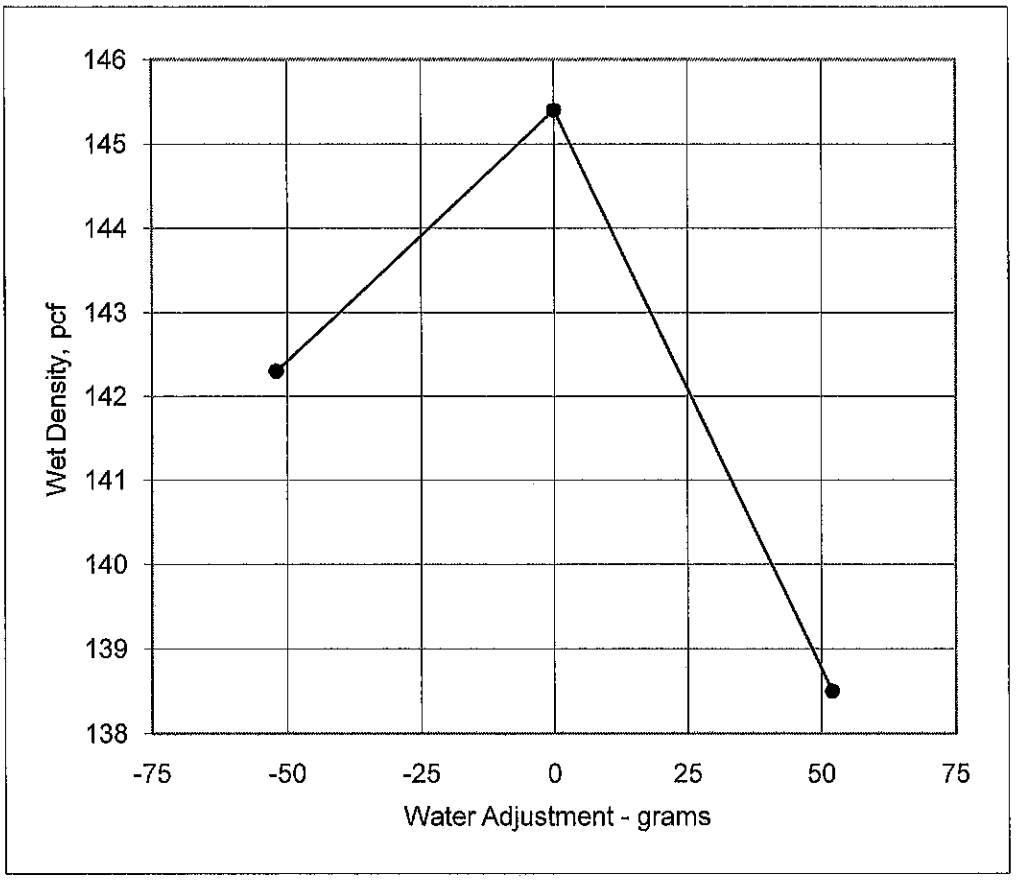
PLATE NO.: B-6B

Parikh Consultants

LABORATORY COMPACTION REPORT
CALIFORNIA TEST - 216

(408) 452-9000

Project:	Kings Beach Commercial Core Improvement			Date:	12/9/10
Client:	Dokken Engineering			Project #:	2010-143-402
Sample #:	A-10-130	Depth:	0'-5'	Lab #:	M800
Location/Source:	Kings Beach, CA / Native			Sample Date:	
Material:	Well graded Sand with Silt and Gravel, brown			Sampled By:	



CALIFORNIA TEST - 216

Laboratory Test Results

Trial #	1	2	3	4
Water Content %		8	10	12.1
Water Adjustment - gms		-52.0	0.0	52.0
Wet Density, pcf		142.3	145.4	138.5

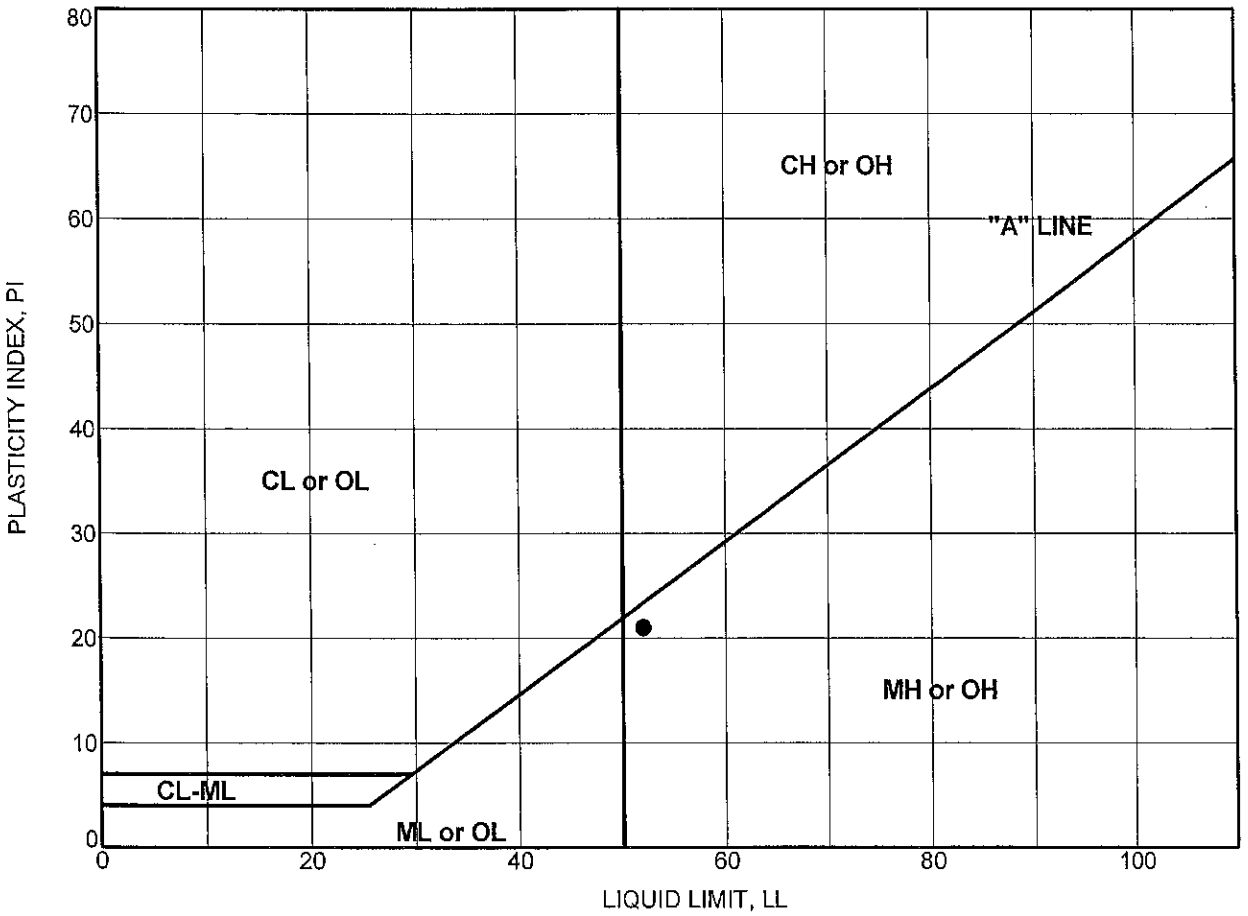
MAXIMUM WET DENSITY, pcf:	**145.4**	OPTIMUM MOISTURE, %:	**10.0**

Comments:

Report By: Prav D Dayah

PLATE NO.: B-6C

Real216 rev. 09/10/98



PLASTICITY CHART

Boring Number	Sample Number	Depth (feet)	Test Symbol	Moisture Content (%)	LL	PL	PI	Description
A-11-142	SPT-3	11.0	●		52	31	21	Elastic SILT

PARIKH CONSULTANTS, INC.
GEOTECHNICAL CONSULTANTS
MATERIALS ENGINEERING

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
PLACER COUNTY, CALIFORNIA

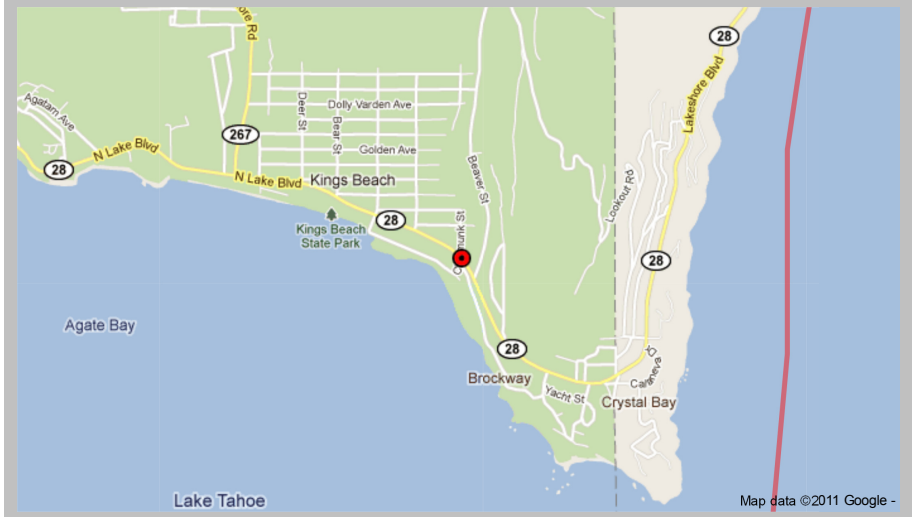
JOB NO: 2010-143

PLATE NO: B-7

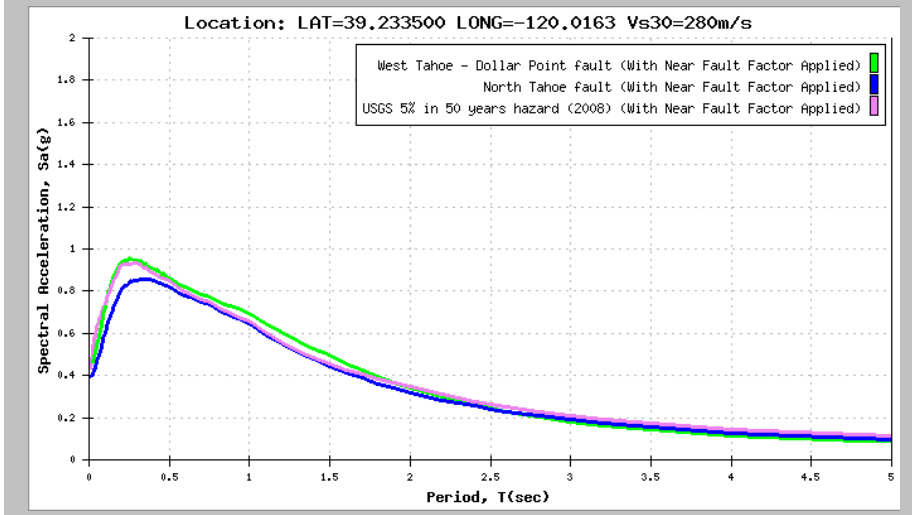
APPENDIX C

ARS - CALTRANS 2009 SEISMIC DESIGN PROCEDURE DOCUMENTS

SELECT SITE LOCATION



CALCULATED SPECTRA



SITE DATA

Shear Wave Velocity, Vs_{30}:	280 m/s
Latitude:	39.233500
Longitude:	-120.016300
Depth to Vs = 1.0 km/s:	324 m
Depth to Vs = 2.5 km/s:	2.00 km

DETERMINISTIC

West Tahoe - Dollar Point fault	
Fault ID:	84
Maximum Magnitude (MMax):	7
Fault Type:	N
Fault Dip:	60 Deg
Dip Direction:	E
Bottom of Rupture Plane:	13.00 km
Top of Rupture Plane(Ztor):	0.00 km
Rrup	6.81 km
Rjb:	0.60 km
Rx:	7.77 km
Fnorm:	1
Frev:	0

Period	SA(Base Spectrum)	Basin Factor	Near Fault Factor(Applied)	SA(Final Spectrum)
0.01	0.450	1.000	1.000	0.450
0.02	0.460	1.000	1.000	0.460
0.022	0.466	1.000	1.000	0.466
0.025	0.473	1.000	1.000	0.473
0.029	0.482	1.000	1.000	0.482
0.03	0.484	1.000	1.000	0.484
0.032	0.491	1.000	1.000	0.491
0.035	0.500	1.000	1.000	0.500
0.036	0.503	1.000	1.000	0.503
0.04	0.514	1.000	1.000	0.514
0.042	0.520	1.000	1.000	0.520
0.044	0.526	1.000	1.000	0.526
0.045	0.529	1.000	1.000	0.529
0.046	0.532	1.000	1.000	0.532
0.048	0.538	1.000	1.000	0.538
0.05	0.544	1.000	1.000	0.544
0.055	0.562	1.000	1.000	0.562

0.06	0.579	1.000	1.000	0.579
0.065	0.597	1.000	1.000	0.597
0.067	0.604	1.000	1.000	0.604
0.07	0.614	1.000	1.000	0.614
0.075	0.632	1.000	1.000	0.632
0.08	0.651	1.000	1.000	0.651
0.085	0.670	1.000	1.000	0.670
0.09	0.689	1.000	1.000	0.689
0.095	0.708	1.000	1.000	0.708
0.1	0.726	1.000	1.000	0.726
0.11	0.760	1.000	1.000	0.760
0.12	0.791	1.000	1.000	0.791
0.13	0.818	1.000	1.000	0.818
0.133	0.826	1.000	1.000	0.826
0.14	0.842	1.000	1.000	0.842
0.15	0.863	1.000	1.000	0.863
0.16	0.881	1.000	1.000	0.881
0.17	0.897	1.000	1.000	0.897
0.18	0.911	1.000	1.000	0.911
0.19	0.924	1.000	1.000	0.924
0.2	0.936	1.000	1.000	0.936
0.22	0.943	1.000	1.000	0.943
0.24	0.949	1.000	1.000	0.949
0.25	0.950	1.000	1.000	0.950
0.26	0.949	1.000	1.000	0.949
0.28	0.947	1.000	1.000	0.947
0.29	0.945	1.000	1.000	0.945
0.3	0.943	1.000	1.000	0.943
0.32	0.937	1.000	1.000	0.937
0.34	0.930	1.000	1.000	0.930
0.35	0.927	1.000	1.000	0.927
0.36	0.923	1.000	1.000	0.923
0.38	0.915	1.000	1.000	0.915
0.4	0.906	1.000	1.000	0.906
0.42	0.897	1.000	1.000	0.897
0.44	0.888	1.000	1.000	0.888
0.45	0.883	1.000	1.000	0.883
0.46	0.878	1.000	1.000	0.878
0.48	0.869	1.000	1.000	0.869
0.5	0.860	1.000	1.000	0.860
0.55	0.821	1.000	1.020	0.838
0.6	0.787	1.000	1.040	0.818
0.65	0.756	1.000	1.060	0.801
0.667	0.746	1.000	1.067	0.795
0.7	0.727	1.000	1.080	0.786
0.75	0.702	1.000	1.100	0.772

0.8	0.674	1.000	1.120	0.755
0.85	0.648	1.000	1.140	0.739
0.9	0.624	1.000	1.160	0.724
0.95	0.602	1.000	1.180	0.710
1	0.581	1.000	1.200	0.697
1.1	0.539	1.000	1.200	0.647
1.2	0.503	1.000	1.200	0.603
1.3	0.470	1.000	1.200	0.564
1.4	0.440	1.000	1.200	0.528
1.5	0.413	1.000	1.200	0.496
1.6	0.381	1.000	1.200	0.458
1.7	0.353	1.000	1.200	0.424
1.8	0.328	1.000	1.200	0.394
1.9	0.306	1.000	1.200	0.367
2	0.286	1.000	1.200	0.343
2.2	0.248	1.000	1.200	0.297
2.4	0.216	1.000	1.200	0.259
2.5	0.203	1.000	1.200	0.243
2.6	0.190	1.000	1.200	0.228
2.8	0.169	1.000	1.200	0.202
3	0.151	1.000	1.200	0.181
3.2	0.136	1.000	1.200	0.163
3.4	0.123	1.000	1.200	0.148
3.5	0.118	1.000	1.200	0.141
3.6	0.112	1.000	1.200	0.135
3.8	0.103	1.000	1.200	0.124
4	0.095	1.000	1.200	0.114
4.2	0.090	1.000	1.200	0.108
4.4	0.085	1.000	1.200	0.102
4.6	0.080	1.000	1.200	0.096
4.8	0.076	1.000	1.200	0.091
5	0.072	1.000	1.200	0.087

North Tahoe fault	
Fault ID:	85
Maximum Magnitude (MMax):	6.5
Fault Type:	N
Fault Dip:	60 Deg
Dip Direction:	E
Bottom of Rupture Plane:	13.00 km
Top of Rupture Plane(Ztor):	0.00 km
Rrup	1.92 km
Rjb:	1.92 km
Rx:	1.92 km
Fnorm:	1

Frev:			0	
Period	**SA(Base Spectrum)**	**Basin Factor**	**Near Fault Factor(Applied)**	**SA(Final Spectrum)**
0.01	0.394	1.000	1.000	0.394
0.02	0.400	1.000	1.000	0.400
0.022	0.404	1.000	1.000	0.404
0.025	0.409	1.000	1.000	0.409
0.029	0.416	1.000	1.000	0.416
0.03	0.418	1.000	1.000	0.418
0.032	0.423	1.000	1.000	0.423
0.035	0.431	1.000	1.000	0.431
0.036	0.433	1.000	1.000	0.433
0.04	0.443	1.000	1.000	0.443
0.042	0.448	1.000	1.000	0.448
0.044	0.453	1.000	1.000	0.453
0.045	0.456	1.000	1.000	0.456
0.046	0.459	1.000	1.000	0.459
0.048	0.464	1.000	1.000	0.464
0.05	0.469	1.000	1.000	0.469
0.055	0.481	1.000	1.000	0.481
0.06	0.492	1.000	1.000	0.492
0.065	0.504	1.000	1.000	0.504
0.067	0.510	1.000	1.000	0.510
0.07	0.517	1.000	1.000	0.517
0.075	0.529	1.000	1.000	0.529
0.08	0.544	1.000	1.000	0.544
0.085	0.558	1.000	1.000	0.558
0.09	0.573	1.000	1.000	0.573
0.095	0.587	1.000	1.000	0.587
0.1	0.601	1.000	1.000	0.601
0.11	0.628	1.000	1.000	0.628
0.12	0.653	1.000	1.000	0.653
0.13	0.676	1.000	1.000	0.676
0.133	0.682	1.000	1.000	0.682
0.14	0.696	1.000	1.000	0.696
0.15	0.714	1.000	1.000	0.714
0.16	0.734	1.000	1.000	0.734
0.17	0.752	1.000	1.000	0.752
0.18	0.770	1.000	1.000	0.770
0.19	0.786	1.000	1.000	0.786
0.2	0.801	1.000	1.000	0.801
0.22	0.818	1.000	1.000	0.818
0.24	0.834	1.000	1.000	0.834
0.25	0.840	1.000	1.000	0.840
0.26	0.843	1.000	1.000	0.843

0.28	0.849	1.000	1.000	0.849
0.29	0.851	1.000	1.000	0.851
0.3	0.852	1.000	1.000	0.852
0.32	0.855	1.000	1.000	0.855
0.34	0.856	1.000	1.000	0.856
0.35	0.856	1.000	1.000	0.856
0.36	0.855	1.000	1.000	0.855
0.38	0.854	1.000	1.000	0.854
0.4	0.853	1.000	1.000	0.853
0.42	0.846	1.000	1.000	0.846
0.44	0.839	1.000	1.000	0.839
0.45	0.836	1.000	1.000	0.836
0.46	0.833	1.000	1.000	0.833
0.48	0.826	1.000	1.000	0.826
0.5	0.819	1.000	1.000	0.819
0.55	0.783	1.000	1.020	0.798
0.6	0.750	1.000	1.040	0.780
0.65	0.721	1.000	1.060	0.764
0.667	0.711	1.000	1.067	0.759
0.7	0.694	1.000	1.080	0.749
0.75	0.669	1.000	1.100	0.736
0.8	0.639	1.000	1.120	0.716
0.85	0.611	1.000	1.140	0.697
0.9	0.585	1.000	1.160	0.679
0.95	0.561	1.000	1.180	0.663
1	0.539	1.000	1.200	0.647
1.1	0.496	1.000	1.200	0.595
1.2	0.459	1.000	1.200	0.551
1.3	0.426	1.000	1.200	0.511
1.4	0.397	1.000	1.200	0.476
1.5	0.370	1.000	1.200	0.444
1.6	0.345	1.000	1.200	0.414
1.7	0.322	1.000	1.200	0.386
1.8	0.301	1.000	1.200	0.362
1.9	0.283	1.000	1.200	0.340
2	0.267	1.000	1.200	0.320
2.2	0.237	1.000	1.200	0.284
2.4	0.212	1.000	1.200	0.255
2.5	0.201	1.000	1.200	0.242
2.6	0.191	1.000	1.200	0.230
2.8	0.174	1.000	1.200	0.208
3	0.159	1.000	1.200	0.190
3.2	0.145	1.000	1.200	0.175
3.4	0.134	1.000	1.200	0.161
3.5	0.129	1.000	1.200	0.155
3.6	0.124	1.000	1.200	0.149

3.8	0.115	1.000	1.200	0.138
4	0.107	1.000	1.200	0.129
4.2	0.101	1.000	1.200	0.121
4.4	0.095	1.000	1.200	0.114
4.6	0.089	1.000	1.200	0.107
4.8	0.084	1.000	1.200	0.101
5	0.080	1.000	1.200	0.096

PROBABILISTIC

Probabilistic Model
USGS Seismic Hazard Map(2008) 975 Year Return Period

Period	SA(Base Spectrum)	Basin Factor	Near Fault Factor(Applied)	SA(Final Spectrum)
0.01	0.433	1.000	1.000	0.433
0.02	0.508	1.000	1.000	0.508
0.022	0.520	1.000	1.000	0.520
0.025	0.535	1.000	1.000	0.535
0.029	0.554	1.000	1.000	0.554
0.03	0.558	1.000	1.000	0.558
0.032	0.567	1.000	1.000	0.567
0.035	0.579	1.000	1.000	0.579
0.036	0.582	1.000	1.000	0.582
0.04	0.597	1.000	1.000	0.597
0.042	0.604	1.000	1.000	0.604
0.044	0.610	1.000	1.000	0.610
0.045	0.613	1.000	1.000	0.613
0.046	0.616	1.000	1.000	0.616
0.048	0.622	1.000	1.000	0.622
0.05	0.628	1.000	1.000	0.628
0.055	0.642	1.000	1.000	0.642
0.06	0.655	1.000	1.000	0.655
0.065	0.668	1.000	1.000	0.668
0.067	0.672	1.000	1.000	0.672
0.07	0.679	1.000	1.000	0.679
0.075	0.690	1.000	1.000	0.690
0.08	0.701	1.000	1.000	0.701
0.085	0.710	1.000	1.000	0.710
0.09	0.720	1.000	1.000	0.720
0.095	0.729	1.000	1.000	0.729
0.1	0.738	1.000	1.000	0.738
0.11	0.761	1.000	1.000	0.761
0.12	0.783	1.000	1.000	0.783
0.13	0.803	1.000	1.000	0.803
0.133	0.809	1.000	1.000	0.809

0.14	0.823	1.000	1.000	0.823
0.15	0.841	1.000	1.000	0.841
0.16	0.859	1.000	1.000	0.859
0.17	0.876	1.000	1.000	0.876
0.18	0.893	1.000	1.000	0.893
0.19	0.908	1.000	1.000	0.908
0.2	0.924	1.000	1.000	0.924
0.22	0.926	1.000	1.000	0.926
0.24	0.929	1.000	1.000	0.929
0.25	0.930	1.000	1.000	0.930
0.26	0.931	1.000	1.000	0.931
0.28	0.933	1.000	1.000	0.933
0.29	0.934	1.000	1.000	0.934
0.3	0.934	1.000	1.000	0.934
0.32	0.923	1.000	1.000	0.923
0.34	0.912	1.000	1.000	0.912
0.35	0.907	1.000	1.000	0.907
0.36	0.902	1.000	1.000	0.902
0.38	0.893	1.000	1.000	0.893
0.4	0.884	1.000	1.000	0.884
0.42	0.876	1.000	1.000	0.876
0.44	0.869	1.000	1.000	0.869
0.45	0.865	1.000	1.000	0.865
0.46	0.861	1.000	1.000	0.861
0.48	0.854	1.000	1.000	0.854
0.5	0.848	1.000	1.000	0.848
0.55	0.805	1.000	1.020	0.821
0.6	0.768	1.000	1.040	0.798
0.65	0.735	1.000	1.060	0.779
0.667	0.725	1.000	1.067	0.773
0.7	0.706	1.000	1.080	0.762
0.75	0.680	1.000	1.100	0.748
0.8	0.648	1.000	1.120	0.725
0.85	0.619	1.000	1.140	0.705
0.9	0.592	1.000	1.160	0.687
0.95	0.569	1.000	1.180	0.671
1	0.547	1.000	1.200	0.657
1.1	0.502	1.000	1.200	0.602
1.2	0.463	1.000	1.200	0.556
1.3	0.431	1.000	1.200	0.517
1.4	0.402	1.000	1.200	0.483
1.5	0.378	1.000	1.200	0.453
1.6	0.356	1.000	1.200	0.427
1.7	0.337	1.000	1.200	0.404
1.8	0.320	1.000	1.200	0.384
1.9	0.304	1.000	1.200	0.365

2	0.291	1.000	1.200	0.349
2.2	0.257	1.000	1.200	0.309
2.4	0.231	1.000	1.200	0.277
2.5	0.219	1.000	1.200	0.263
2.6	0.208	1.000	1.200	0.250
2.8	0.190	1.000	1.200	0.228
3	0.174	1.000	1.200	0.209
3.2	0.160	1.000	1.200	0.192
3.4	0.148	1.000	1.200	0.178
3.5	0.143	1.000	1.200	0.171
3.6	0.138	1.000	1.200	0.165
3.8	0.128	1.000	1.200	0.154
4	0.120	1.000	1.200	0.144
4.2	0.115	1.000	1.200	0.137
4.4	0.109	1.000	1.200	0.131
4.6	0.105	1.000	1.200	0.125
4.8	0.100	1.000	1.200	0.120
5	0.096	1.000	1.200	0.115

Envelope Data

Period	SA
0.01	0.450
0.02	0.508
0.022	0.520
0.025	0.535
0.029	0.554
0.03	0.558
0.032	0.567
0.035	0.579
0.036	0.582
0.04	0.597
0.042	0.604
0.044	0.610
0.045	0.613
0.046	0.616
0.048	0.622
0.05	0.628
0.055	0.642
0.06	0.655
0.065	0.668

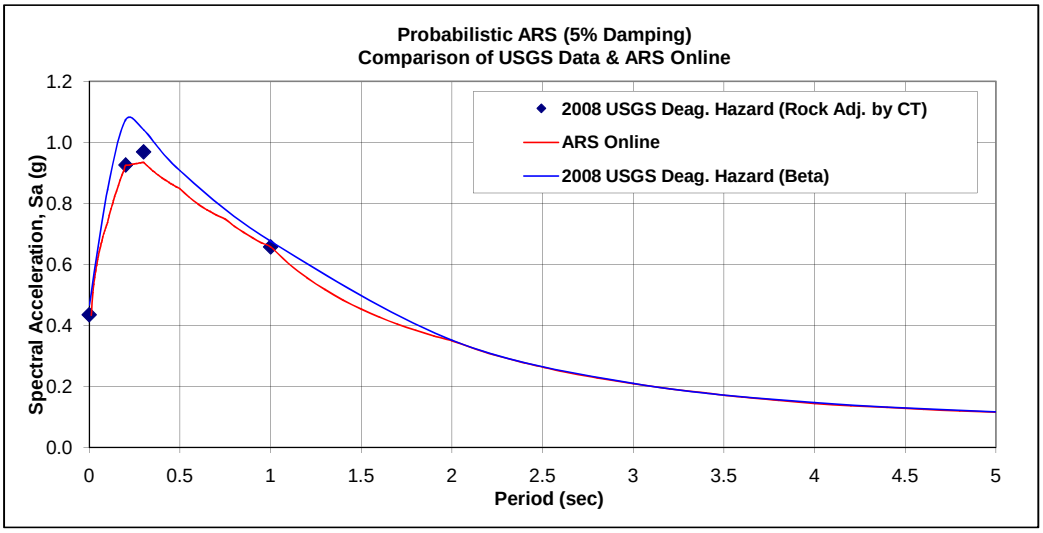
0.067	0.672
0.07	0.679
0.075	0.690
0.08	0.701
0.085	0.710
0.09	0.720
0.095	0.729
0.1	0.738
0.11	0.761
0.12	0.791
0.13	0.818
0.133	0.826
0.14	0.842
0.15	0.863
0.16	0.881
0.17	0.897
0.18	0.911
0.19	0.924
0.2	0.936
0.22	0.943
0.24	0.949
0.25	0.950
0.26	0.949
0.28	0.947
0.29	0.945
0.3	0.943
0.32	0.937
0.34	0.930
0.35	0.927
0.36	0.923
0.38	0.915
0.4	0.906
0.42	0.897
0.44	0.888
0.45	0.883
0.46	0.878
0.48	0.869
0.5	0.860
0.55	0.838
0.6	0.818
0.65	0.801
0.667	0.795
0.7	0.786
0.75	0.772
0.8	0.755
0.85	0.739

0.9	0.724
0.95	0.710
1	0.697
1.1	0.647
1.2	0.603
1.3	0.564
1.4	0.528
1.5	0.496
1.6	0.458
1.7	0.424
1.8	0.394
1.9	0.367
2	0.349
2.2	0.309
2.4	0.277
2.5	0.263
2.6	0.250
2.8	0.228
3	0.209
3.2	0.192
3.4	0.178
3.5	0.171
3.6	0.165
3.8	0.154
4	0.144
4.2	0.137
4.4	0.131
4.6	0.125
4.8	0.120
5	0.115

Comparison spreadsheet of the 2008 USGS Probabilistic Seismic Hazard Data and ARS Online Probabilistic Data (unlock spreadsheet "shmi")
Spectral Accelerations Points from USGS Website at http://earthquake.usgs.gov/research/hazmaps/products_data/2008/data/

*** Note: This spreadsheet uses the given latitude and longitude data provided by the user to estimate spectral acceleration values with a probability of exceedence 5% in 50 yrs (or 975 yr return period). The four spectral acceleration data points plotted on the graph are from the USGS website and are based on a 0.05 degree grid. Basic interpolation is used to estimate intermediate values inside each grid. Raw Data points are provided in the tabs of this spreadsheet. Corner grid spectral acceleration data are shown in the "calculation" tab.**

Input Site Information	
Latitude	Longitude
39.2335	-120.0163
V_{S30} (m/s) =	280
Near Fault Factor, Derived from USGS Deagg. Dist (km) =	4
$Z_{1.0}$ (m) =	0
$Z_{2.5}$ (km) =	0.00



Place ARS Online Probabilistic Data Here "Paste"

T (sec)	Base Spectrum S(a)	Basin Factor	Near Fault Factor	Final Adj. Spectrum S(a)
0.01	0.433	1	1	0.433
0.02	0.508	1	1	0.508
0.022	0.52	1	1	0.52
0.025	0.535	1	1	0.535
0.029	0.554	1	1	0.554
0.03	0.558	1	1	0.558
0.032	0.567	1	1	0.567
0.035	0.579	1	1	0.579
0.036	0.582	1	1	0.582
0.04	0.597	1	1	0.597
0.042	0.604	1	1	0.604
0.044	0.61	1	1	0.61
0.045	0.613	1	1	0.613
0.046	0.616	1	1	0.616
0.048	0.622	1	1	0.622
0.05	0.628	1	1	0.628
0.055	0.642	1	1	0.642
0.06	0.655	1	1	0.655
0.065	0.668	1	1	0.668
0.067	0.672	1	1	0.672
0.07	0.679	1	1	0.679
0.075	0.69	1	1	0.69
0.08	0.701	1	1	0.701
0.085	0.71	1	1	0.71
0.09	0.72	1	1	0.72
0.095	0.729	1	1	0.729
0.1	0.738	1	1	0.738
0.11	0.761	1	1	0.761
0.12	0.783	1	1	0.783
0.13	0.803	1	1	0.803
0.133	0.809	1	1	0.809
0.14	0.823	1	1	0.823
0.15	0.841	1	1	0.841
0.16	0.859	1	1	0.859
0.17	0.876	1	1	0.876
0.18	0.893	1	1	0.893
0.19	0.908	1	1	0.908
0.2	0.924	1	1	0.924
0.22	0.926	1	1	0.926

Analysis of ARS Online Results vs USGS Deaggregation Hazard (Adj. By CT)

Period (sec)	USGS Interpolated Spectral Accel.	Adj. for Near Fault Effect	Adj. for Soil Amplification	Adj. For Basin Effect	Final Adj. USGS Spec Accel	ARS Online Final Adj. Spect. Accel.	Difference (bet. USGS & ARS Online)
0	0.423	1.000	1.027	1.000	0.435	0.433	0.5%
0.2	1.064	1.000	0.870	1.000	0.926	0.924	0.2%
0.3	0.867	1.000	1.118	1.000	0.969	0.934	3.6%
1	0.304	1.200	1.803	1.000	0.657	0.657	0.0%

Max % Difference = 3.6%

USGS Deaggregation Hazard (Beta) with Near Field and Basin Factors

Period (sec)	INPUT USGS Deagg. Spec Accel	Adj. for Near Fault Effect	Adj. For Basin Effect	Final Adj. USGS Deagg Spec Accel	ARS Online Final Adj. Spect. Accel.	% Difference (bet. USGS & ARS Online)
0	0.4668	1.000	1.000	0.467	0.433	7.2%
0.1	0.845	1.000	1.000	0.845	0.738	12.7%
0.2	1.0735	1.000	1.000	1.074	0.924	13.9%
0.3	1.0406	1.000	1.000	1.041	0.934	10.2%
0.5	0.9075	1.000	1.000	0.908	0.848	6.6%
1	0.5633	1.200	1.000	0.676	0.657	2.8%
2	0.2927	1.200	1.000	0.351	0.349	0.6%
3	0.1753	1.200	1.000	0.210	0.209	0.6%
4	0.12217	1.200	1.000	0.147	0.144	1.8%
5	0.09714	1.200	1.000	0.117	0.115	1.3%

Max % Difference = 6.6%

0.24	0.929	1	1	0.929
0.25	0.93	1	1	0.93
0.26	0.931	1	1	0.931
0.28	0.933	1	1	0.933
0.29	0.934	1	1	0.934
0.3	0.934	1	1	0.934
0.32	0.923	1	1	0.923
0.34	0.912	1	1	0.912
0.35	0.907	1	1	0.907
0.36	0.902	1	1	0.902
0.38	0.893	1	1	0.893
0.4	0.884	1	1	0.884
0.42	0.876	1	1	0.876
0.44	0.869	1	1	0.869
0.45	0.865	1	1	0.865
0.46	0.861	1	1	0.861
0.48	0.854	1	1	0.854
0.5	0.848	1	1	0.848
0.55	0.805	1	1.02	0.821
0.6	0.768	1	1.04	0.798
0.65	0.735	1	1.06	0.779
0.667	0.725	1	1.067	0.773
0.7	0.706	1	1.08	0.762
0.75	0.68	1	1.1	0.748
0.8	0.648	1	1.12	0.725
0.85	0.619	1	1.14	0.705
0.9	0.592	1	1.16	0.687
0.95	0.569	1	1.18	0.671
1	0.547	1	1.2	0.657
1.1	0.502	1	1.2	0.602
1.2	0.463	1	1.2	0.556
1.3	0.431	1	1.2	0.517
1.4	0.402	1	1.2	0.483
1.5	0.378	1	1.2	0.453
1.6	0.356	1	1.2	0.427
1.7	0.337	1	1.2	0.404
1.8	0.32	1	1.2	0.384
1.9	0.304	1	1.2	0.365
2	0.291	1	1.2	0.349
2.2	0.257	1	1.2	0.309
2.4	0.231	1	1.2	0.277
2.5	0.219	1	1.2	0.263
2.6	0.208	1	1.2	0.25
2.8	0.19	1	1.2	0.228
3	0.174	1	1.2	0.209
3.2	0.16	1	1.2	0.192
3.4	0.148	1	1.2	0.178
3.5	0.143	1	1.2	0.171
3.6	0.138	1	1.2	0.165
3.8	0.128	1	1.2	0.154
4	0.12	1	1.2	0.144
4.2	0.115	1	1.2	0.137
4.4	0.109	1	1.2	0.131
4.6	0.105	1	1.2	0.125
4.8	0.1	1	1.2	0.12
5	0.096	1	1.2	0.115

2009 Deterministic Fault Information & Seismic Procedure QC/QA Checklist

This document is to be filled out by *checker* to evaluate the fault parameters and design response spectrum used for seismic design recommendations for bridge structures. To facilitate the quality check, the designer shall provide the checker all pertinent project information, geologic information and approved exceptions (if applicable) needed to complete this form. The *checker* must be familiar with the Seismic Design Criteria (Appendix B), Deterministic PGA Map and ARS Online Report, and Geotechnical Services Design Manual in order to successfully perform a quality check. Tools available to checkers include the Deterministic Response Spectrum Spreadsheet, Probabilistic Response Spectrum Spreadsheet (after USGS), 2008 USGS National Seismic Hazard Map and the ARS Online web tool. The above documents and tools are available at http://dap3.dot.ca.gov/shake_stable/technical.php.

Project Information

Dist – EA: _____ County: Son Route: 101 PM: _____

Bridge/Facility Name: _____ Bridge/Facility No.: _____

Latitude: 39.2335 Longitude: -120.0163

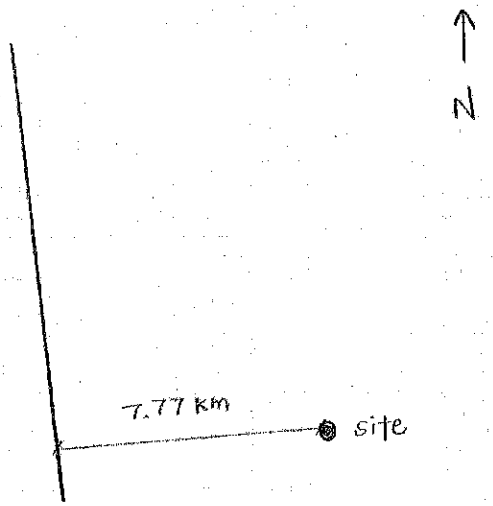
Deterministic Fault Information

Fault Name: West Tahoe - Dollar Point Fault ID#: 84 M_{MAX}: 7.0 Fault Type: N

Fault Dip: 60° Dip Direction: E Top of Rupture: 0 km Bottom of Rupture: 13 km

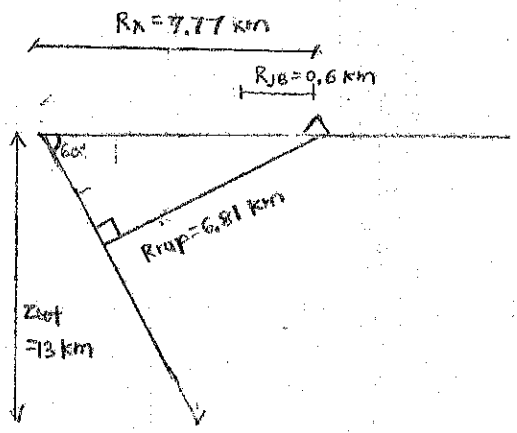
Plan View

(rough sketch; show dimensions)



Elevation View

(rough sketch; show dimensions)



$F_{wp} = \frac{Z_{tor}}{\tan\delta} = \frac{13}{\tan 60} = 7.51$

$X_1 = Z_{tor} \tan\delta = 13 \tan 60 = 22.51$

$R_X \leq F_{wp} + X_1$

Calculated or Measured Distances

R_{RUP}:	6.81 km	☑	Calculated / graphically	☐	Same as Rx (by definition)
R_{JB}:	0.6 km	☑	Calculated / graphically	☐	Same as Rx (by definition)
R_X:	7.77 km	☑	"Ruler" function on ARS Online	☐	Deterministic PGA Map

2009 Deterministic Fault Information & Seismic Procedure QC/QA Checklist

Determination of V_{S30}

V_{S30} (m/s): 280

Method of Determining V_{S30}: SPT (e.g. P-S logging, Geophysics, SPT correlations, etc)

Additional Explanation (if needed): _____

Determination of Z1.0 and Z2.5 (if site located in designated California deep basin)

$Z_{1.0}$ (m/s): 0 $Z_{2.5}$ (km/s): 0

Method of Determining $Z_{1.0}$ & $Z_{2.5}$: ARS online / Figure (e.g. ARS Online, SDC figure, other)

Additional Explanation (if needed): _____

Deterministic - Special Conditions

Yes	No	N/A	
☑	☐		Was the Errata Deterministic Fault Database Spreadsheet reviewed to ensure that the correct fault parameters used in the analysis.
☑	☐	☐	Were the Near-Fault Factors applied correctly? *Applies to sites with a R_{RUP} distance of 25 km or less, as defined in the SDC.*
☐	☐	☑	Were deep basin depths ($Z_{1.0}$ & $Z_{2.5}$) estimated correctly? *Applies to sites located in deep basins as shown in Figures B.5 - B.11 of the SDC or ARS Online.*
☐	☐	☑	If the site is located within the Eastern California Shear Zone (ECSZ), was the design ARS larger than the minimum spectrum for the ECSZ (as defined in the SDC, Appendix B, Figure B.2)?
☐	☐	☑	If the controlling fault is the Cascadia Subduction Zone, was the alternate seismic procedure applied correctly (as defined in the SDC, Appendix B)?
☐	☐	☑	If the deterministic ARS falls below the Minimum Deterministic Spectra (as defined in the SDC), did the Minimum Deterministic Spectra control the deterministic design spectrum?
☑	☐		Did the ARS Online deterministic spectrum correspond within 10% of the calculated deterministic spectrum? If not, note it in the comments section of this document and email a copy to the ARS Online development team, ARS_Online@dot.ca.gov, so that they may address the potential bug.

Probabilistic - Special Conditions

Yes	No	N/A	
☑	☐	☐	Were Near-Fault Factors applied correctly (as defined by SDC)? *Applies to sites with a deaggregation R distance of 25 km or less.*
☐	☐	☑	Were deep basin depths ($Z_{1.0}$ & $Z_{2.5}$) estimated correctly? *Applies to sites located in deep basins as shown in Figures B.5 - B.11 of the SDC or ARS Online.*
☑	☐	☐	If the site has a V_{S30} of less than 300 m/s, was the resulting ARS curve checked against spectral acceleration from USGS Interactive Deaggregation tool?
☑	☐	☐	If the USGS Interactive Deaggregation tool and spectral acceleration data were used, were the appropriate near-fault and basin correction factors applied?

2009 Deterministic Fault Information & Seismic Procedure QC/QA Checklist

Yes	No	N/A	
☐	☐	☑	If the probabilistic ARS falls below the Minimum Deterministic Spectra (as defined in the SDC), did the Minimum Deterministic Spectra control the design spectrum?
☑	☐		Did the ARS Online design spectrum correspond within 10% of the USGS spectral acceleration data from the verification spreadsheet? If not, note it in the comments section of this document and email a copy to the ARS Online development team, ARS_Online@dot.ca.gov, so that they may address the potential bug.

Comments / Observations Encountered during QC/QA process:

I certify that I have performed a quality check of the referenced fault information and design response spectrum provided by the geotechnical designer. The quality check is based on Seismic Design Criteria (Appendix B), Deterministic PGA Map and ARS Online Report, and the Geotechnical Services Design Manual.

ALSTON LAM	PROJECT ENGINEER
Checker (Print)	Title
	July 26, 2011
Checker (Signature)	Date

I certify that the referenced project complies with Geotechnical Service's Quality Control/Quality Assurance procedures, as described in the memorandum, "Quality Control/Quality Assurance for the 2009 Seismic Design Procedures", dated August 12, 2009.

GARY PARIKH	Project Manager
Functional Supervisor (Print)	Title
	8/3/11
Functional Supervisor (Signature)	Date

(This original checklist and signature sheet shall be placed in the geotechnical project file, and a copy sent to the Mark Willian of the Geotechnical Services Corporate Unit).

2009 Deterministic Fault Information & Seismic Procedure QC/QA Checklist

This document is to be filled out by *checker* to evaluate the fault parameters and design response spectrum used for seismic design recommendations for bridge structures. To facilitate the quality check, the designer shall provide the checker all pertinent project information, geologic information and approved exceptions (if applicable) needed to complete this form. The *checker* must be familiar with the Seismic Design Criteria (Appendix B), Deterministic PGA Map and ARS Online Report, and Geotechnical Services Design Manual in order to successfully perform a quality check. Tools available to checkers include the Deterministic Response Spectrum Spreadsheet, Probabilistic Response Spectrum Spreadsheet (after USGS), 2008 USGS National Seismic Hazard Map and the ARS Online web tool. The above documents and tools are available at http://dap3.dot.ca.gov/shake_stable/technical.php.

Project Information

Dist – EA: _____ County: Son Route: 101 PM: _____

Bridge/Facility Name: _____ Bridge/Facility No.: _____

Latitude: 39.2335 Longitude: -120.0163

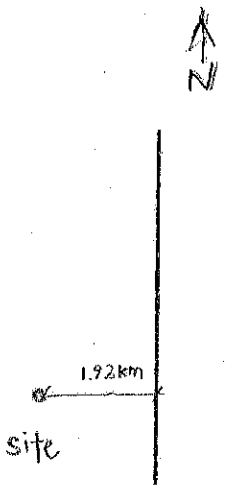
Deterministic Fault Information

Fault Name: North Tahoe Fault Fault ID#: 85 M_{MAX}: 6.5 Fault Type: N

Fault Dip: 60° Dip Direction: E Top of Rupture: 0 km Bottom of Rupture: 13 km

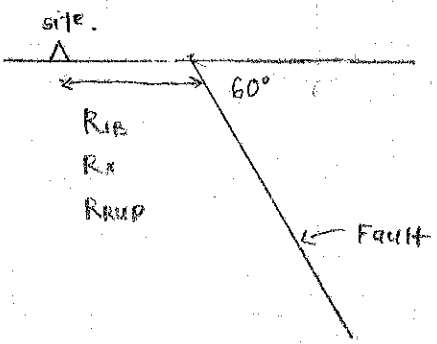
Plan View

(rough sketch; show dimensions)



Elevation View

(rough sketch; show dimensions)



Calculated or Measured Distances

R_{RUP}:	1.92 km	☐	Calculated / graphically	☐	Same as Rx (by definition)
R_{JB}:	1.92 km	☐	Calculated / graphically	☐	Same as Rx (by definition)
R_X:	1.92 km	☑	"Ruler" function on ARS Online	☐	Deterministic PGA Map

2009 Deterministic Fault Information & Seismic Procedure QC/QA Checklist

Determination of V_{S30}

V_{S30} (m/s): 290

Method of Determining V_{S30}: SPT correlation (e.g. P-S logging, Geophysics, SPT correlations, etc)

Additional Explanation (if needed): _____

Determination of Z1.0 and Z2.5 (if site located in designated California deep basin)

$Z_{1.0}$ (m/s): 0 $Z_{2.5}$ (km/s): 0

Method of Determining $Z_{1.0}$ & $Z_{2.5}$: online / figure (e.g. ARS Online, SDC figure, other)

Additional Explanation (if needed): _____

Deterministic - Special Conditions

Yes	No	N/A	
☑	☐		Was the Errata Deterministic Fault Database Spreadsheet reviewed to ensure that the correct fault parameters used in the analysis.
☑	☐	☐	Were the Near-Fault Factors applied correctly? *Applies to sites with a R_{RUP} distance of 25 km or less, as defined in the SDC.*
☐	☐	☑	Were deep basin depths ($Z_{1.0}$ & $Z_{2.5}$) estimated correctly? *Applies to sites located in deep basins as shown in Figures B.5 - B.11 of the SDC or ARS Online.*
☐	☐	☑	If the site is located within the Eastern California Shear Zone (ECSZ), was the design ARS larger than the minimum spectrum for the ECSZ (as defined in the SDC, Appendix B, Figure B.2)?
☐	☐	☑	If the controlling fault is the Cascadia Subduction Zone, was the alternate seismic procedure applied correctly (as defined in the SDC, Appendix B)?
☐	☐	☑	If the deterministic ARS falls below the Minimum Deterministic Spectra (as defined in the SDC), did the Minimum Deterministic Spectra control the deterministic design spectrum?
☑	☐		Did the ARS Online deterministic spectrum correspond within 10% of the calculated deterministic spectrum? If not, note it in the comments section of this document and email a copy to the ARS Online development team, ARS_Online@dot.ca.gov, so that they may address the potential bug.

Probabilistic - Special Conditions

Yes	No	N/A	
☑	☐	☐	Were Near-Fault Factors applied correctly (as defined by SDC)? *Applies to sites with a deaggregation R distance of 25 km or less.*
☐	☐	☑	Were deep basin depths ($Z_{1.0}$ & $Z_{2.5}$) estimated correctly? *Applies to sites located in deep basins as shown in Figures B.5 - B.11 of the SDC or ARS Online.*
☑	☐	☐	If the site has a V_{S30} of less than 300 m/s, was the resulting ARS curve checked against spectral acceleration from USGS Interactive Deaggregation tool?
☑	☐	☐	If the USGS Interactive Deaggregation tool and spectral acceleration data were used, were the appropriate near-fault and basin correction factors applied?

2009 Deterministic Fault Information & Seismic Procedure QC/QA Checklist

Yes	No	N/A	
☐	☐	☑	If the probabilistic ARS falls below the Minimum Deterministic Spectra (as defined in the SDC), did the Minimum Deterministic Spectra control the design spectrum?
☑	☐		Did the ARS Online design spectrum correspond within 10% of the USGS spectral acceleration data from the verification spreadsheet? If not, note it in the comments section of this document and email a copy to the ARS Online development team, ARS_Online@dot.ca.gov, so that they may address the potential bug.

Comments / Observations Encountered during QC/QA process:

I certify that I have performed a quality check of the referenced fault information and design response spectrum provided by the geotechnical designer. The quality check is based on Seismic Design Criteria (Appendix B), Deterministic PGA Map and ARS Online Report, and the Geotechnical Services Design Manual.

ALSTON LAM	PROJECT ENGINEER
Checker (Print)	Title
[signature]	July 26, 2011
Checker (Signature)	Date

I certify that the referenced project complies with Geotechnical Service's Quality Control/Quality Assurance procedures, as described in the memorandum, "Quality Control/Quality Assurance for the 2009 Seismic Design Procedures", dated August 12, 2009.

GARY PARIKH	PROJECT MANAGER
Functional Supervisor (Print)	Title
[signature]	August 3, 2011
Functional Supervisor (Signature)	Date

(This original checklist and signature sheet shall be placed in the geotechnical project file, and a copy sent to the Mark Willian of the Geotechnical Services Corporate Unit).

PROJECT NAME	**Kings Beach Commercial Core Improvement Project**	Lat: 39.2335
PROJECT NO.	**2010-143-GDR**	Long: -120.0163
BORING NO.	**A-10-102**	

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS	$Vs=100.5(N_{60})^{0.29}$
2. CLAYS AND PLASTIC SILTS	$Vs=86.9(N_{60})^{0.333}$
3. ROCK	$Vs=109(N_{60})^{0.319}$
HAMMER ENERGY	0.9

Depth (ft)		Thickness, D (ft)	Soil Type	Sample Type	N	N_{60}	Vs (m/s)	Vs (ft/s)	D/V	Vs30 (m/s)
0	3.5	3.5	1	MC	26	25.4	256.6	841.8	0.004	
3.5	5	1.5	1	MC	16	15.6	222.9	731.2	0.002	
5	10	5	1	MC	11	10.7	200.0	655.9	0.008	282.5
10	15	5	1	MC	22	21.5	244.5	802.0	0.006	
15	100	85	1	MC	42	41.0	294.9	967.4	0.088	
		100								

PROJECT NAME	**Kings Beach Commercial Core Improvement Project**
PROJECT NO.	**2010-143-GDR**
BORING NO.	**A-10-109**

Lat: 39.2335
Long: -120.0163

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS	$Vs=100.5(N_{60})^{0.29}$
2. CLAYS AND PLASTIC SILTS	$Vs=86.9(N_{60})^{0.333}$
3. ROCK	$Vs=109(N_{60})^{0.319}$
HAMMER ENERGY	0.9

Depth (ft)		Thickness, D (ft)	Soil Type	Sample Type	N	N_{60}	Vs (m/s)	Vs (ft/s)	D/V	Vs30 (m/s)
0	3.5	3.5	1	MC	46	44.9	302.8	993.2	0.004	
3.5	5	1.5	1	MC	13	12.7	209.9	688.5	0.002	
5	9	4	1	MC	8	7.8	182.3	598.1	0.007	284.9
9	14.5	5.5	1	MC	13	12.7	209.9	688.5	0.008	
14.5	100	85.5	1	MC	45	43.9	300.9	986.9	0.087	

100

PROJECT NAME **Kings Beach Commercial Core Improvement Project**
PROJECT NO. **2010-143-GDR**
BORING NO. **A-10-124**

Lat: 39.2335
Long: -120.0163

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS	$Vs=100.5(N_{60})^{0.29}$
2. CLAYS AND PLASTIC SILTS	$Vs=86.9(N_{60})^{0.333}$
3. ROCK	$Vs=109(N_{60})^{0.319}$
HAMMER ENERGY	0.9

Depth (ft)		Thickness, D (ft)	Soil Type	Sample Type	N	N_{60}	Vs (m/s)	Vs (ft/s)	D/V	Vs30 (m/s)
0	3.5	3.5	1	MC	23	22.4	247.7	812.4	0.004	
3.5	5	1.5	1	MC	25	24.4	253.7	832.3	0.002	
5	10	5	1	MC	53	51.7	315.5	1034.9	0.005	218.1
10	16	6	1	MC	30	29.3	267.5	877.4	0.007	
16	100	84	1	MC	13	12.7	209.9	688.5	0.122	
		100								

PROJECT NAME	**Kings Beach Commercial Core Improvement Project**	Lat: 39.2335
PROJECT NO.	**2010-143-GDR**	Long: -120.0163
BORING NO.	**A-10-108**	

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS	$Vs=100.5(N_{60})^{0.29}$
2. CLAYS AND PLASTIC SILTS	$Vs=86.9(N_{60})^{0.333}$
3. ROCK	$Vs=109(N_{60})^{0.319}$
HAMMER ENERGY	0.9

Depth (ft)		Thickness, D (ft)	Soil Type	Sample Type	N	N_{60}	Vs (m/s)	Vs (ft/s)	D/V	Vs30 (m/s)
0	3.5	3.5	1	MC	55	53.6	318.9	1046.1	0.003	
3.5	5	1.5	1	MC	18	17.6	230.7	756.6	0.002	
5	13	8	1	MC	14	13.7	214.5	703.4	0.011	199.2
13	15	2	1	MC	10	9.8	194.5	638.0	0.003	
15	100	85	1	MC	10	9.8	194.5	638.0	0.133	

100

EVALUATION OF LIQUEFACTION POTENTIAL

2010-143

PARIKH
Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO _____ OF _____
CALCULATED BY A. Lam DATE 1/2011
CHECKED BY _____ DATE _____
SUBJECT _____

Evaluation of Liquefaction Potential (Boring A-10-105)

Elev. 6290.0'

	6'	Silty Sand (Loose)	Avg SPT N = 18
Assumed 12'	4'	Silty Sand (Medium dense)	SPT N = 25
▽	7'	Silty Sand (medium dense)	Avg SPT N = 34

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-10-105 (Bear Street)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 12

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

F.S.=($CRR_{6.5}$*/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (*$CRR_{6.5}$*)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,CS}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.0	1	18	SPT	230.0	230.0	0.99	0.32	21	2.00	1	0.75	1.2	1.15	42.99	3%	42.99		1.00	1	
2	6.0	1	25	SPT	730.0	730.0	0.97	0.32	29	1.66	1	0.80	1.2	1.15	52.71	5%	52.78		1.00	1	
3	11.5	1	34	SPT	1417.5	1417.5	0.95	0.31	39	1.19	1	0.80	1.2	1.15	51.45	5%	51.51		1.00	1	

2010-143

PARIKH
Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO _____ OF _____
CALCULATED BY A Lam DATE 1/2011
CHECKED BY _____ DATE _____
SUBJECT _____

Evaluation of Liquefaction Potential (Boring A-10-108)

Elev 6238.0'

2.5'		Clayey Sand (dense) SPT N=55
12'	5.5'	Clayey Sand (loose) Avg SPT N=16
	8.5'	Clayey Sand (loose) Avg SPT N=10

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-10-108 (Highway 28)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 12

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} (g)= 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=($CRR_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.5	1	55	SPT	287.5	287.5	0.99	0.32	63	2.00	1	0.75	1.2	1.15	131.37	10%	135.08		1.00	1	
2	8.0	1	16	SPT	975.0	975.0	0.96	0.31	18	1.43	1	0.80	1.2	1.15	29.19	10%	30.69		1.00	1	
3	16.5	1	10	SPT	2037.5	1548.8	0.93	0.40	12	1.14	1	0.80	1.2	1.15	14.48	40%	22.37	0.25	1.00	1	0.90 <- LIQ!!

Evaluation of Post-Liquefaction Settlement

Boring A-10-108

Based on the result of the liquefaction potential analysis

Sample No. 3 $(N_1)_{60cs} = 22.5$ $CRR_{7.5} = 0.25$

Volumetric Strain = 1.3 %

Post-liquefaction Settlement = $0.013 \times 12 \times 8$

= 1.2 inches

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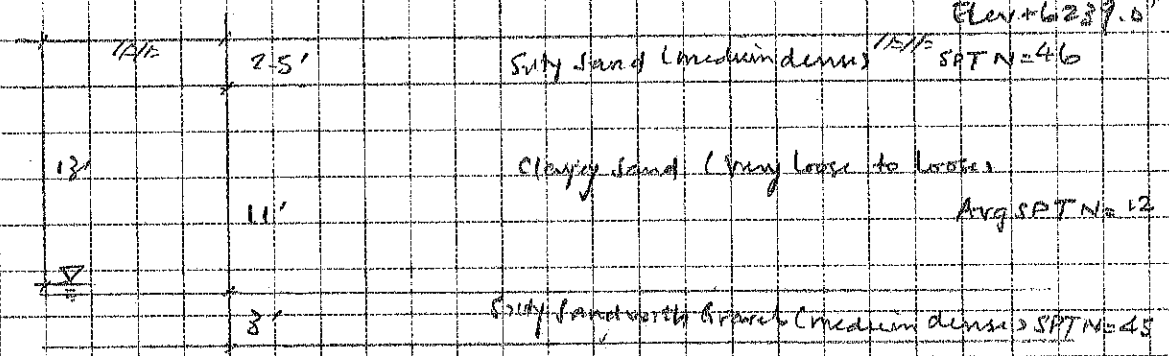
Practicing in the Geosciences

JOB Keys Beach Commercial Core Improvement Project
SHEET NO _____ OF _____
CALCULATED BY A Lam DATE 1/2011
CHECKED BY _____ DATE _____
SUBJECT _____

Evaluation of Liquefaction Potential (Boring A-10-109)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-10-109 (Highway 28)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 13

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} (g)= 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=(CRR$_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (CRR$_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.5	1	46	SPT	287.5	287.5	0.99	0.32	53	2.00	1	0.75	1.2	1.15	109.87	10%	113.11		1.00	1	
2	13.5	1	12	SPT	1662.5	1578.8	0.94	0.32	14	1.13	1	0.80	1.2	1.15	17.21	25%	23.47	0.26	1.00	1	1.19
3	16.5	1	45	SPT	2037.5	1781.3	0.93	0.34	52	1.06	1	0.80	1.2	1.15	60.74	10%	62.92		1.00	1	

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Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A. Lam DATE 1/2011
CHECKED BY ____ DATE ____
SUBJECT ____

Evaluation of Liquefaction Potential (Boring A-10-111)

Elev +6243.0'

	4'	Silty Sand (loose to medium dense) Avg SPT N = 19
12'	4'	Clayey Sand (dense) SPT N = 73
	5.5'	Silty Sand (very dense) SPT N > 50
	3'	Silty Sand (dense) SPT N = 58

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-10-111 (Salmon Avenue)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 12

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=(CRR $_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	4.0	1	19	SPT	460.0	460.0	0.98	0.32	22	2.00	1	0.75	1.2	1.15	45.38	5%	45.44		1.00	1	
2	8.0	1	73	SPT	960.0	960.0	0.96	0.31	84	1.44	1	0.80	1.2	1.15	134.22	5%	134.38		1.00	1	
3	13.5	1	50	SPT	1647.5	1331.3	0.94	0.38	58	1.23	1	0.80	1.2	1.15	78.07	5%	78.16		1.00	1	
4	16.5	1	58	SPT	2022.5	1533.8	0.93	0.40	67	1.14	1	0.80	1.2	1.15	84.37	5%	84.47		1.00	1	

2010-143

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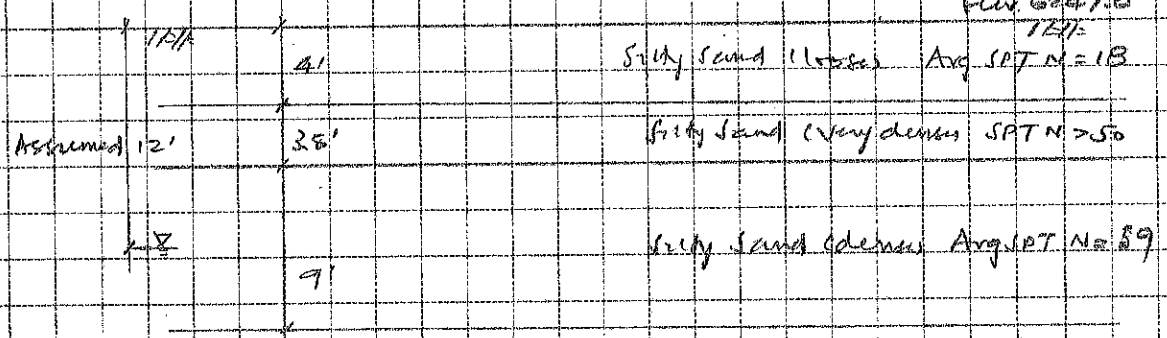
JOB Kings Beach Commercial Core Improvement Project
SHEET NO _____ OF _____
CALCULATED BY A. Leon DATE 1/2011
CHECKED BY _____ DATE _____
SUBJECT _____

Evaluation of Liquefaction Potential (Boring A-10-112)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-10-112 (Salmon Avenue)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 12

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=($CRR_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*											
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_ε	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	4.0	1	18	SPT	460.0	460.0	0.98	0.32	21	2.00	1	0.75	1.2	1.15	42.99	5%	43.05		1.00	1	
2	7.5	1	50	SPT	897.5	897.5	0.97	0.31	58	1.49	1	0.80	1.2	1.15	95.08	5%	95.19		1.00	1	
3	16.5	1	59	SPT	2022.5	1505.0	0.93	0.40	68	1.15	1	0.80	1.2	1.15	86.64	5%	86.74		1.00	1	

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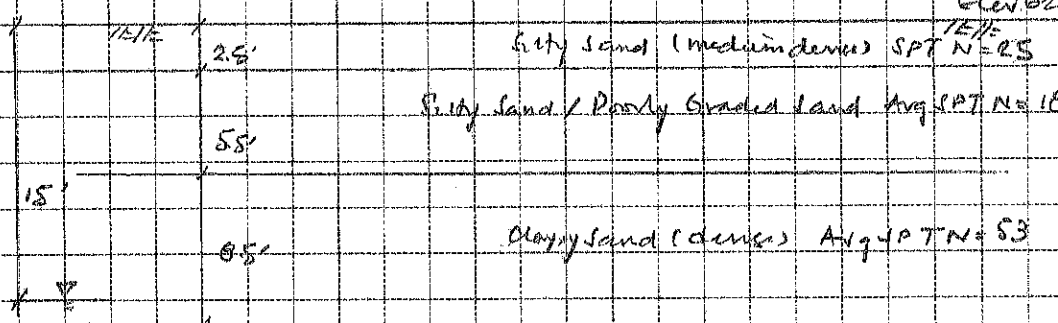
JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 1/2011
CHECKED BY ____ DATE ____
SUBJECT ____

Evaluation of Liquefaction Potential (Boring A-10-113)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME — *KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT*

PROJECT NO. — *2010-143*

BORING NO. — *A-10-113 (Fox Street)*

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 15

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

F.S.=($CRR_{6.5}$*/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (*$CRR_{6.5}$*)*											
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.5	1	25	SPT	287.5	287.5	0.99	0.32	29	2.00	1	0.75	1.2	1.15	59.71	5%	59.78		1.00	1	
2	8.0	1	18	SPT	975.0	975.0	0.96	0.31	21	1.43	1	0.80	1.2	1.15	32.84	20%	39.06		1.00	1	
3	16.5	1	53	SPT	2037.5	1548.8	0.93	0.40	61	1.14	1	0.80	1.2	1.15	76.72	5%	76.81		1.00	1	

2010-143

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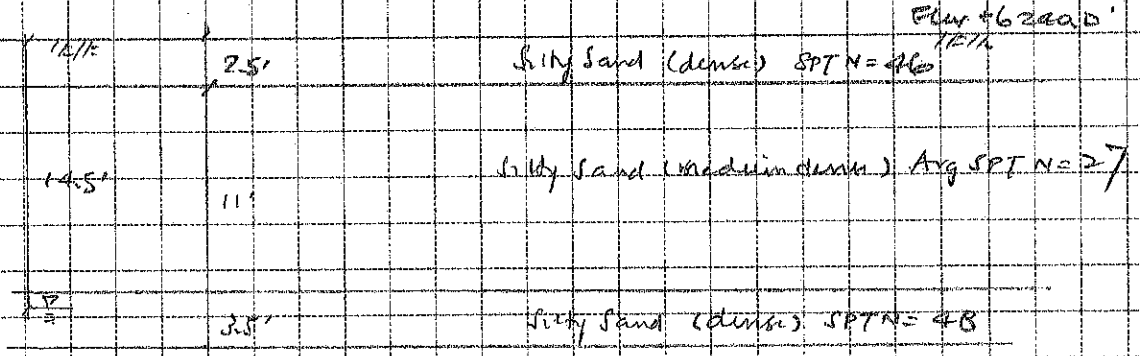
Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 1/2011
CHECKED BY ____ DATE ____
SUBJECT ____

Evaluation of Liquefaction Potential (Boring A-10-(20))



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-10-120 (Highway 28)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 14.5

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} (g)= 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=($CRR_{6.5}$/CSR)*MSF*Ks*Ka*

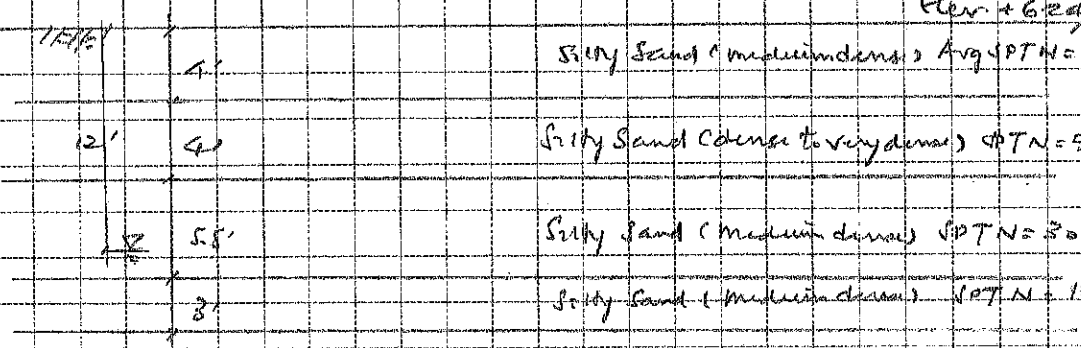
					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.5	1	46	SPT	287.5	287.5	0.99	0.32	53	2.00	1	0.75	1.2	1.15	109.87	5%	110.00		1.00	1	
2	13.5	1	27	SPT	1662.5	1662.5	0.94	0.31	31	1.10	1	0.80	1.2	1.15	37.72	20%	44.34		1.00	1	
3	17.0	1	48	SPT	2100.0	1898.8	0.92	0.33	55	1.03	1	0.80	1.2	1.15	62.75	5%	62.83		1.00	1	

2010-143

PARIKH
Practicing in the Geosciences

JOB Long Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Leum DATE 1/2011
CHECKED BY ____ DATE ____
SUBJECT ____

Evaluation of Liquefaction Potential (Boring A-10-124)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-10-124 (Highway 28)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 12

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

F.S.=($CRR_{6.5}$*/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (*$CRR_{6.5}$*)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	4.0	1	24	SPT	460.0	460.0	0.98	0.32	28	2.00	1	0.75	1.2	1.15	57.32	5%	57.39		1.00	1	
2	8.0	1	53	SPT	960.0	960.0	0.96	0.31	61	1.44	1	0.80	1.2	1.15	97.45	5%	97.57		1.00	1	
3	13.5	1	30	SPT	1647.5	1331.3	0.94	0.38	35	1.23	1	0.80	1.2	1.15	46.84	5%	46.90		1.00	1	
4	16.5	1	13	SPT	2022.5	1533.8	0.93	0.40	15	1.14	1	0.80	1.2	1.15	18.91	10%	20.19	0.22	1.00	1	0.79 <- LIQ!!

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Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 3/2011
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Post-liquefaction settlement

Boring A-10 +12.4

Based on the result of the liquefaction potential analysis

Sample No. 4 $(N_1)_{60cs} = 20$ $CRR_{7.5} = 0.22$

Volumetric strain = 1.5%

Post-liquefaction settlement = $0.015 \times 12.4 \times 2.5$

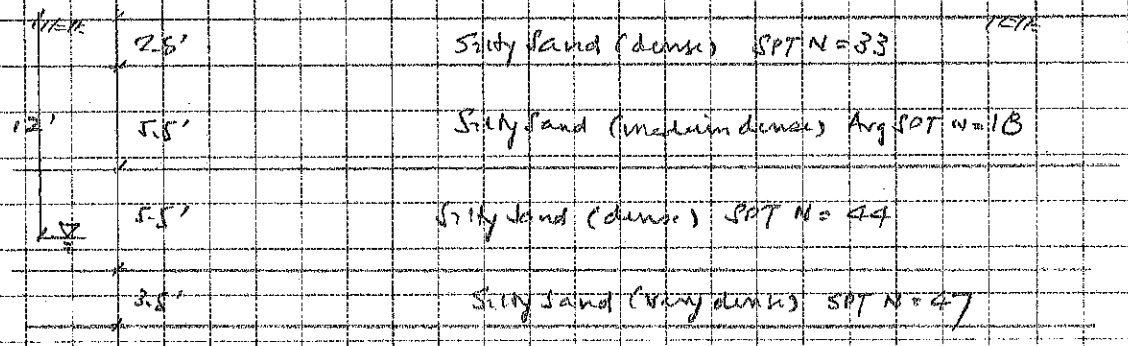
= 0.5 inches

2510-143

PARIKH
Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 11/2011
CHECKED BY ____ DATE ____
SUBJECT ____

Evaluation of Liquefaction Potential (Boring A-10-1321)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME — *KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT*

PROJECT NO. — *2010-143*

BORING NO. — *A-10-132 (Highway 28)*

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 12

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

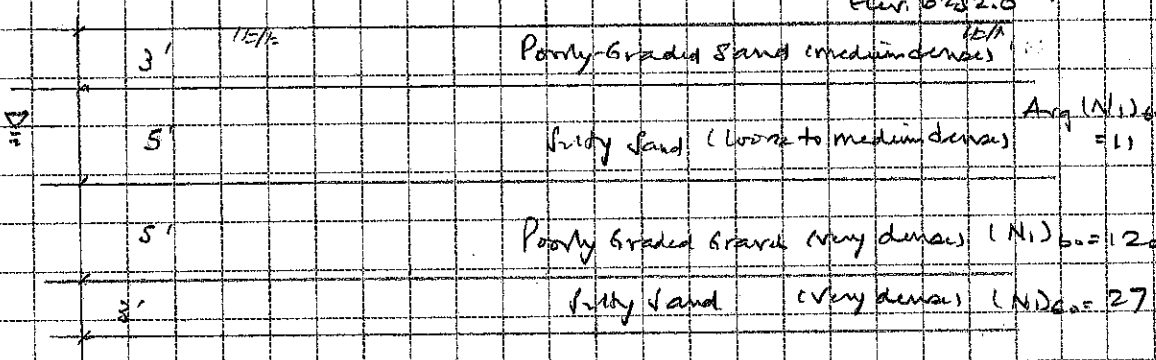
*F.S.=($CRR_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*											
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,CS}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.5	1	33	SPT	287.5	287.5	0.99	0.32	38	2.00	1	0.75	1.2	1.15	78.82	5%	78.92		1.00	1	
2	8.0	1	18	SPT	975.0	975.0	0.96	0.31	21	1.43	1	0.80	1.2	1.15	32.84	5%	32.88		1.00	1	
3	13.5	1	44	SPT	1662.5	1346.3	0.94	0.38	51	1.22	1	0.80	1.2	1.15	68.32	5%	68.40		1.00	1	
4	17.0	1	47	SPT	2100.0	1582.5	0.92	0.40	54	1.12	1	0.80	1.2	1.15	67.31	5%	67.39		1.00	1	

PARIKH
Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 8/2011
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Liquefaction Potential (Boring A-11-101)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-11-101 (S. Secline Street/Blockway Vista Avenue)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 5

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=(CRR $_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (CRR $_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	3.0	1	13	SPT	345.0	345.0	0.99	0.32	15	2.00	1	0.75	1.2	1.15	31.05	15%	35.04		1.00	1	
2	5.0	1	9	SPT	595.0	585.0	0.98	0.32	10	1.85	1	0.80	1.2	1.15	21.20	15%	24.72	0.29	1.00	1	1.28
3	11.0	1	120	SPT	1345.0	990.0	0.95	0.42	138	1.42	1	0.80	1.2	1.15	217.27	15%	230.22		1.00	1	
4	16.0	1	27	SPT	1970.0	1327.5	0.93	0.45	31	1.23	1	0.80	1.2	1.15	42.22	20%	49.18		1.00	1	

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JOB King's Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A-Lam DATE 8/26/13
CHECKED BY ____ DATE ____
SCALE ____

Evaluating Liquefaction Potential @ Boring A-11-1073

Elev 6237.0 feet

7'

16.5'

Silty Sand (Medium dense to very dense)

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME — *KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT*

PROJECT NO. — *2010-143*

BORING NO. — *A-11-107 (State Park)*

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 7

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=(CRR $_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	3.0	1	11	SPT	345.0	345.0	0.99	0.32	13	2.00	1	0.75	1.2	1.15	26.27	10%	27.71	0.36	1.00	1	1.62
2	6.0	1	14	SPT	720.0	720.0	0.97	0.32	16	1.67	1	0.80	1.2	1.15	29.72	10%	31.24		1.00	1	
3	11.0	1	47	SPT	1345.0	1057.5	0.95	0.39	54	1.38	1	0.80	1.2	1.15	82.34	10%	84.99		1.00	1	
4	16.0	1	99	SPT	1970.0	1395.0	0.93	0.43	114	1.20	1	0.80	1.2	1.15	151.00	10%	155.14		1.00	1	

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JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 8/12/11
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Liquefaction Potential | Boring A-11-(27)

Elev. 6240.0 feet (est.)

Silty Sand (Medium dense) $(N_1)_{60}$=11

6'

2'

Poorly Graded Gravel (dense) $(N_1)_{60}$=42

Silty Sand (dense) Avg $(N_1)_{60}$=47

8.5'

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-11-127 (State Park)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 5

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

F.S.=($CRR_{6.5}$*/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (*$CRR_{6.5}$*)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,CS}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.0	1	11	SPT	230.0	230.0	0.99	0.32	13	2.00	1	0.75	1.2	1.15	26.27	5%	26.31	0.32	1.00	1	1.43
2	6.0	1	42	SPT	730.0	652.5	0.97	0.35	48	1.75	1	0.80	1.2	1.15	93.67	5%	93.78		1.00	1	
3	11.0	1	47	SPT	1355.0	990.0	0.95	0.42	54	1.42	1	0.80	1.2	1.15	85.10	5%	85.20		1.00	1	
4	16.0	1	48	SPT	1980.0	1327.5	0.93	0.45	55	1.23	1	0.80	1.2	1.15	75.05	5%	75.14		1.00	1	

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Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO _____ OF _____
CALCULATED BY A Lam DATE 8/2011
CHECKED BY _____ DATE _____
SCALE _____

Evaluation of Liquefaction Potential (Boring A-11-129)

Elev 6240 feet

7'	5.5'	Silty Sand (Medium dense)	$(N_1)_{60} = 12$
	2'	Poorly-Graded Sand (Medium dense)	$(N_1)_{60} = 14$
	9'	Silty Sand (Medium dense to dense)	Avg $(N_1)_{60} = 31$

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-11-129 (State Park)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 7

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

F.S.=($CRR_{6.5}$*/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (*$CRR_{6.5}$*)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	3.0	1	12	SPT	345.0	345.0	0.99	0.32	14	2.00	1	0.75	1.2	1.15	28.66	10%	30.15		1.00	1	
2	6.0	1	14	SPT	720.0	720.0	0.97	0.32	16	1.67	1	0.80	1.2	1.15	29.72	3%	29.72	0.45	1.00	1	2.05
3	11.0	1	26	SPT	1345.0	1057.5	0.95	0.39	30	1.38	1	0.80	1.2	1.15	45.55	10%	47.40		1.00	1	
4	16.0	1	35	SPT	1970.0	1395.0	0.93	0.43	40	1.20	1	0.80	1.2	1.15	53.38	10%	55.41		1.00	1	

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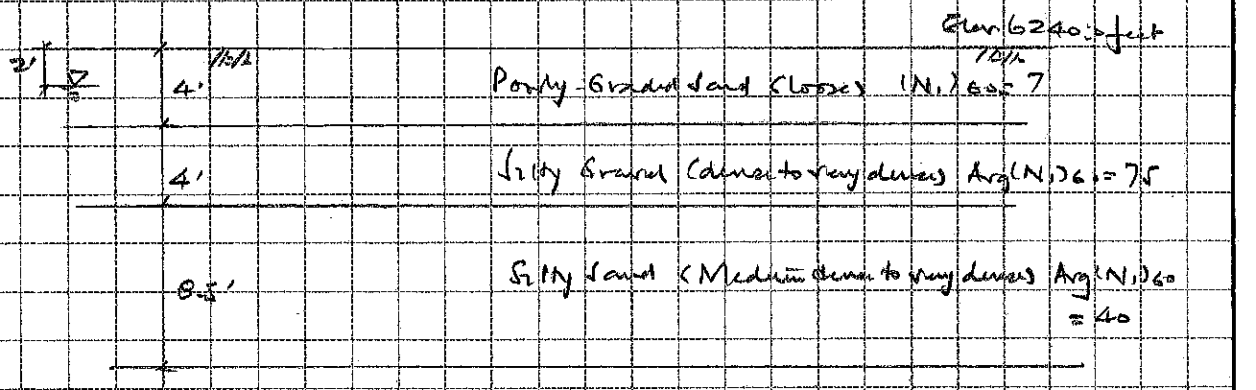
JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 8/2-11
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Liquefaction Potential (Boring A-11-133)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME ***KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT***

PROJECT NO. ***2010-143***

BORING NO. ***A-11-133 (Secline Street)***

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 2

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

F.S.=($CRR_{6.5}$*/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE (*$CRR_{6.5}$*)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,CS}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	3.0	1	7	SPT	345.0	302.5	0.99	0.37	8	2.00	1	0.75	1.2	1.15	16.72	10%	17.95	0.19	1.00	1	0.75 <- LIQ!!
2	5.0	1	53	SPT	595.0	370.0	0.98	0.51	61	2.00	1	0.80	1.2	1.15	135.03	10%	138.82		1.00	1	
3	8.0	1	96	SPT	970.0	572.5	0.96	0.53	111	1.87	1	0.80	1.2	1.15	228.57	10%	234.38		1.00	1	
4	11.0	1	56	SPT	1345.0	775.0	0.95	0.54	65	1.61	1	0.80	1.2	1.15	114.60	10%	117.94		1.00	1	
5	16.0	1	24	SPT	1970.0	1112.5	0.93	0.53	28	1.34	1	0.80	1.2	1.15	40.99	10%	42.75		1.00	1	

Evaluation of Post-Liquefaction Settlement (Boring A-11-133)

Based on the result of the liquefaction potential analysis

Sample No. 1 $(N_1)_{60cs}$ = 18

Volumetric Strain = 1.7 %

Post-Liquefaction Settlement = 0.017 x 4 x 12

= 0.82 inches

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JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 8/2011
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Liquefaction Potential (Boring A-11-136)

Elev. 6248.0 feet

14' 15' Silty sand (loose to very dense)

1.5' Well-Graded Sand with Clay (very dense)

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME — *KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT*

PROJECT NO. — *2010-143*

BORING NO. — *A-11-136 (Fox Street to Chipmunk Street)*

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 14

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} (g)= 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=($CRR_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,CS}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.0	1	4	SPT	230.0	230.0	0.99	0.32	5	2.00	1	0.75	1.2	1.15	9.55	10%	10.63	0.12	1.00	1	0.53 <- LIQ!!
2	5.0	1	21	SPT	605.0	605.0	0.98	0.32	24	1.82	1	0.80	1.2	1.15	48.64	10%	50.56		1.00	1	
3	11.0	1	89	SPT	1355.0	1355.0	0.95	0.31	103	1.21	1	0.80	1.2	1.15	137.74	10%	141.59		1.00	1	
4	15.0	1	65	SPT	1855.0	1625.0	0.93	0.35	75	1.11	1	0.80	1.2	1.15	91.86	10%	94.71		1.00	1	

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JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lau DATE 8/2011
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Post-liquefaction Settlement

Boring A-11-136

Based on the result of the liquefaction potential analysis

Sample No.1. $(N1)_{60cs} = 11$ $CRR_{6.5} = 0.12$

Volumetric Strain = 2.5%

Post-liquefaction Settlement = $0.075 \times 25 \times 12$

= 1.85 inches

PARIKH
Practicing in the Geosciences

JOB: Kings Beach Commercial Core Improvement Project
SHEET NO: _____ OF: _____
CALCULATED BY: A Lam DATE: 8/2011
CHECKED BY: _____ DATE: _____
SCALE: _____

Evaluation of Liquefaction Potential (Boring A-11-137)

Elev. 6264.0 feet

	1/2/12		1/2/12
	4'	Clayey Sand (Medium dense)	$(N_1)_{60} = 24$
	2.5'	Clayey Gravel (Very dense)	$(N_1)_{60} = 66$
14'	4.5'	Poorly Graded Gravel (dense)	$(N_1)_{60} = 48$
▽	5'	Silty Sand (Very dense)	$(N_1)_{60} = 66$

LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME — *KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT*

PROJECT NO. — *2010-143*

BORING NO. — *A-11-137 (Chipmunk Street)*

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 14

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

F.S. $=(CRR_{6.5}/CSR)*MSF*Ks*Ka$

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE* ($CRR_{6.5}$)												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	g_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	3.0	1	24	SPT	345.0	345.0	0.99	0.32	28	2.00	1	0.75	1.2	1.15	57.32	10%	59.43		1.00	1	
2	6.0	1	66	SPT	720.0	720.0	0.97	0.32	76	1.67	1	0.80	1.2	1.15	140.12	10%	144.02		1.00	1	
3	11.0	1	48	SPT	1345.0	1345.0	0.95	0.31	55	1.22	1	0.80	1.2	1.15	74.56	10%	77.04		1.00	1	
4	15.0	1	66	SPT	1845.0	1615.0	0.93	0.35	76	1.11	1	0.80	1.2	1.15	93.56	10%	96.45		1.00	1	

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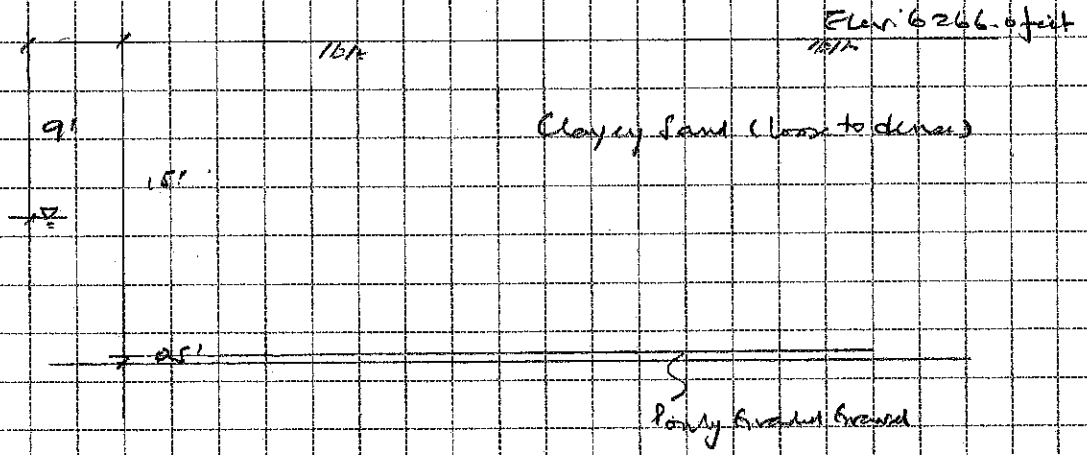
Practicing in the Geosciences

JOB Kings Branch Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 6/2011
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Liquefaction Potential (Boring A-11-1403)



LIQUEFACTION POTENTIAL ANALYSIS

PROJECT NAME — *KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT*

PROJECT NO. — *2010-143*

BORING NO. — *A-11-140 (Coon Street/Goldern Avenue)*

BOREHOLE DIA (in)= 8

GW DEPTH (ft)= 9

SOIL GROUPS

1. GRAVELS, SANDS AND NONPLASTIC SILTS
2. CLAYS AND PLASTIC SILTS

HAMMER TYPE (1/2) = 2

(1. ROPE AND PULLEY; 2. AUTOMATIC)

FAULT INFO

NORTH TAHOE FAULT

a_{max} *(g)=* 0.5

FAULT M_w = 6.5

MSF = 1.44

(Min. FS = 1.1 based on SPT)

*F.S.=(CRR $_{6.5}$/CSR)*MSF*Ks*Ka*

					CYCLIC STRESS RATIO (CSR)				*LIQUEFACTION RESISTANCE ($CRR_{6.5}$)*												
Sample No	Depth (ft)	Soil Type	Blow Count	Sampler Type	s_v (psf)	s_v' (psf)	r_d	CSR	SPT-N_{60}	C_N	C_E	C_R	C_S	C_B	$(N_1)_{60}$	F.C.	$(N_1)_{60,cs}$	$CRR_{6.5}$	Ks	Ka	F.S.
1	2.0	1	3	SPT	230.0	230.0	0.99	0.32	3	2.00	1	0.75	1.2	1.15	7.17	25%	12.28	0.13	1.00	1	0.60 <- LIQ!!
2	6.0	1	14	SPT	730.0	730.0	0.97	0.32	16	1.66	1	0.80	1.2	1.15	29.52	15%	33.44		1.00	1	
3	11.0	1	36	SPT	1355.0	1067.5	0.95	0.39	42	1.37	1	0.80	1.2	1.15	62.77	15%	68.29		1.00	1	
4	16.0	1	50	SPT	1980.0	1405.0	0.93	0.42	58	1.19	1	0.80	1.2	1.15	75.99	15%	82.14		1.00	1	

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Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A-Lam DATE 8/2011
CHECKED BY ____ DATE ____
SCALE ____

Evaluation of Post-Liquefaction Settlement

Boring A-11-140

Based on the result of the liquefaction potential analysis

Sample No 1. $(N_1)_{60cs} = 12.5$ $CRR_{6.5} = 0.13$

Volumetric Strain = 2.2 %

Post-Liquefaction Settlement = 0.022 x 12 x 4

= 1.06 inches

Kobe, Japan following the 1995 Hyogo-ken Nanbu earthquake. If sand boils are produced, postearthquake settlements are likely to be irregular. The resulting differential movement can be damaging to structures, pavements, or pipelines on or near the ground surface.

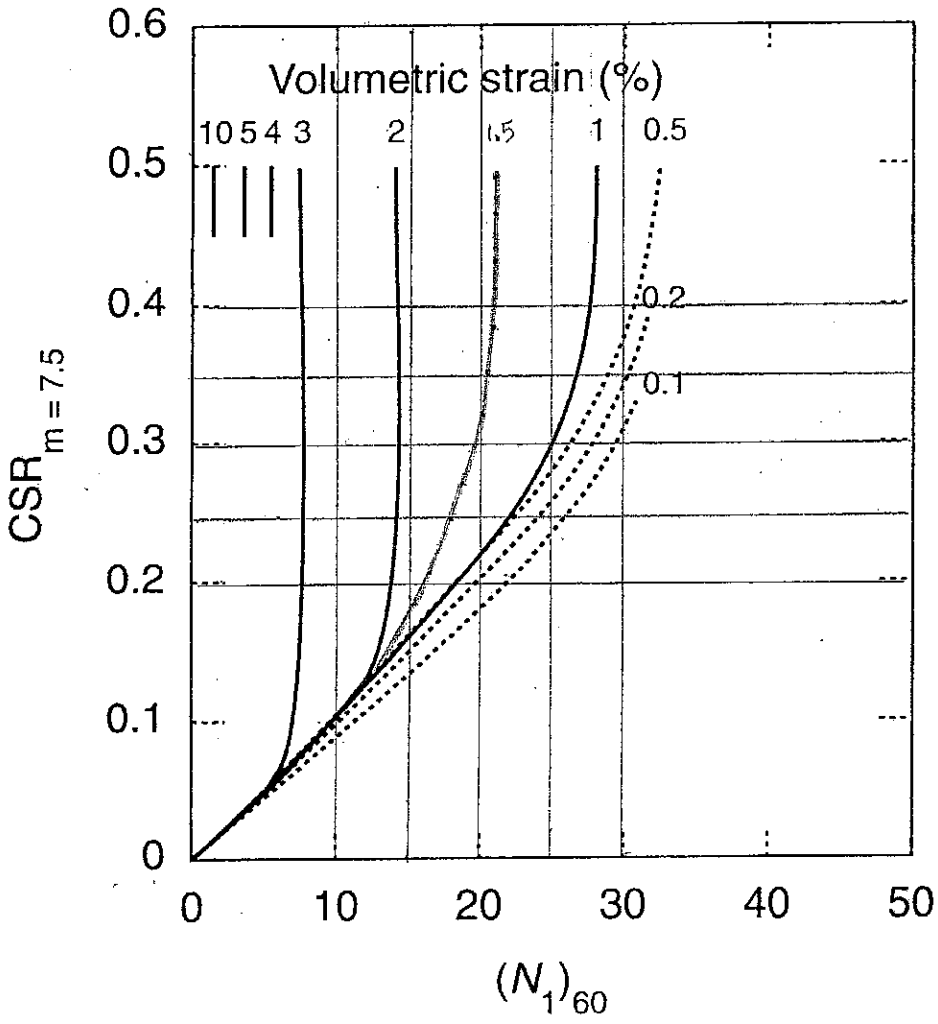


Figure 9.53 Chart for estimation of volumetric strain in saturated sands from cyclic stress ratio and standard penetration resistance. (After Tokimatsu and Seed, 1987. Evaluation of settlements in sand due to earthquake shaking, *Journal of Geotechnical Engineering,* Vol. 113, No. 8. Reprinted by permission of ASCE.)

$(N_1)_{60,CS}$

Example 9.7

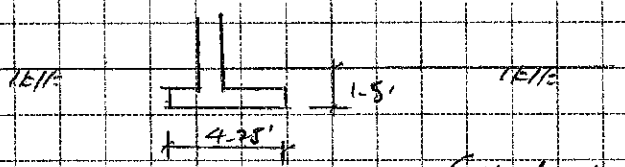
Significant settlement was observed in the Marina District of San Francisco following the 1989 Loma Prieta earthquake. Much of this settlement was determined to have resulted from densi-

BEARING CAPACITY ANALYSES

PARIKH
Practicing in the Geosciences

JOB Kings Beach Commercial Core Improvement Project
SHEET NO 1 OF 4
CALCULATED BY A. Lam DATE 4/2011
CHECKED BY DATE
SUBJECT

Bearing Capacity Analysis - Retaining Wall Nos 1 + 2 (Boring A-10-120)



Silty Sand $N_{60} = 27$ $\gamma' = 115$ pcf
$\gamma_{sat} = 125$ pcf

Assume $\phi' = 34°$ $\alpha' = 0$ $B = 4.25'$ $D = 1.5'$

$N_\gamma = 36.5$ $N_c = 52.64$ $N_q = 36.0$

$$Q_{all} = \frac{0.5 \times 0.125 \times 62.4 \times 4.25 \times 36.0 + 115 \times 1.5 \times 36.5}{3}$$

$= 3695$ psf Say 3.5 ksf to account for ground variation

PARIKH
Practicing in the Geosciences

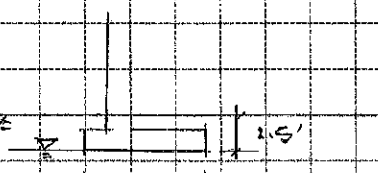
JOB Kings Beach Commercial Core Improvement Project
SHEET NO 2 OF 4
CALCULATED BY A Lam DATE 8/2011
CHECKED BY DATE
SUBJECT

Bearing Capacity Analysis - Retaining Wall Nos 3+4 (Borings A-10-103 + A-11-127)

Assume the footing subgrade consists of medium dense sand with

Average N_{60} = 11 (A-11-127)

Assume $\phi' = 31°$; $c = 0$, $B = 4.25'$, $d = 1.5'$



SILTY SAND
Assume $N_{60} = 11$ $\phi' = 31°$ $\gamma = 115$ pcf
$\gamma_{sat} = 125$ pcf

For strip footing Terzaghi Formula

$$Q_{all} = (0.5 \gamma B N_\gamma + c N_c + \gamma D N_q)/3 \quad (F.O.S. = 3)$$

$\phi' = 31°$ $N_q = 25.49$ $N_c = 40.60$ $N_\gamma = 23.8$

Assume Subgrade is Saturated $Q_{all} = \frac{0.5 \times (125 - 62.4) \times 4.25 \times 23.8 + 115 \times 1.5 \times 25.49}{3}$

$= 25210$ psf say 2.5 ksf

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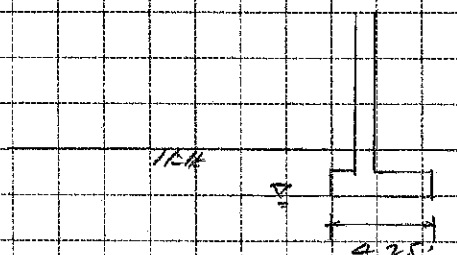
Practicing in the Geosciences

JOB King's Beach Commercial Core Improvement Project
SHEET NO 3 OF 4
CALCULATED BY A Lam DATE 4/2011
CHECKED BY DATE
SUBJECT

Bearing capacity Analysis - Retaining Wall Nos 5 & 6 (Borings A-10-115, R-10-121, A-10-122)



A-10-115 Min $N_{60} = 42$ Assume $\phi' = 36°$, $c' = 0$, $B = 4.25'$

Assume $\gamma' = 120$ pcf, $\gamma_{sat} = 130$ pcf $D = 1.5'$

Terzaghi Formula

$$Q_{all} = (0.5 \gamma B N_\gamma + c N_c + \gamma D N_q)/3 \quad (FoS = 3)$$

Assume subgrade is saturated $\phi' = 36°$, $N_q = 47.16$ $N_c = 63.53$, $N_\gamma = 42.4$

$$Q_{all} = \frac{0.5 \times (130 - 62.4) \times 4.25 \times 42.4 + 120 \times 1.5 \times 47.16}{3}$$

$= 4860$ psf Say 4.0 ksf for ground vibration

(1) **Bearing Capacity Factors.** The Terzaghi bearing capacity factors N_c and N_q for general shear are shown in Table 4-1 and may be calculated by

TABLE 4-1

Terzaghi Dimensionless Bearing Capacity Factors (after Bowles 1988)

ϕ'	N_q	N_c	N_γ	ϕ'	N_q	N_c	N_γ
28	17.81	31.61	15.7	0	1.00	5.70	0.0
30	22.46	37.16	19.7	2	1.22	6.30	0.2
32	28.52	44.04	27.9	4	1.49	6.97	0.4
34	36.50	52.64	36.0	6	1.81	7.73	0.6
35	41.44	57.75	42.4	8	2.21	8.60	0.9
36	47.16	63.53	52.0	10	2.69	9.60	1.2
38	61.55	77.50	80.0	12	3.29	10.76	1.7
40	81.27	95.66	100.4	14	4.02	12.11	2.3
42	108.75	119.67	180.0	16	4.92	13.68	3.0
44	147.74	151.95	257.0	18	6.04	15.52	3.9
45	173.29	172.29	297.5	20	7.44	17.69	4.9
46	204.19	196.22	420.0	22	9.19	20.27	5.8
48	287.85	258.29	780.1	24	11.40	23.36	7.8
50	415.15	347.51	1153.2	26	14.21	27.09	11.7

$$N_c = (N_q - 1)\cot\phi' \tag{4-3a}$$

$$N_q = \frac{e^{\frac{270-\phi'}{180}\pi\tan\phi'}}{2\cos^2(45+\phi'/2)} \tag{4-3b}$$

Factor N_γ depends largely on the assumption of the angle ψ in Figure 1-3a. N_γ varies from minimum values using Hansen's solution to maximum values using the original Terzaghi solution. N_γ shown in Table 4-1, was backfigured from the original Terzaghi values assuming $\psi = \phi'$ (Bowles 1988).

(2) **Correction Factors.** The Terzaghi correction factors ζ_c and ζ_γ consider foundation shape only and are given in Table 4-2. $\zeta_q = 1.0$ (Bowles 1988).

TABLE 4-2

Terzaghi Correction Factors ζ_c and ζ_γ

Factor	Strip	Square	Circular
ζ_c	1.0	1.3	1.3
ζ_γ	1.0	0.8	0.6

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Dwncomer Y. Hon
REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

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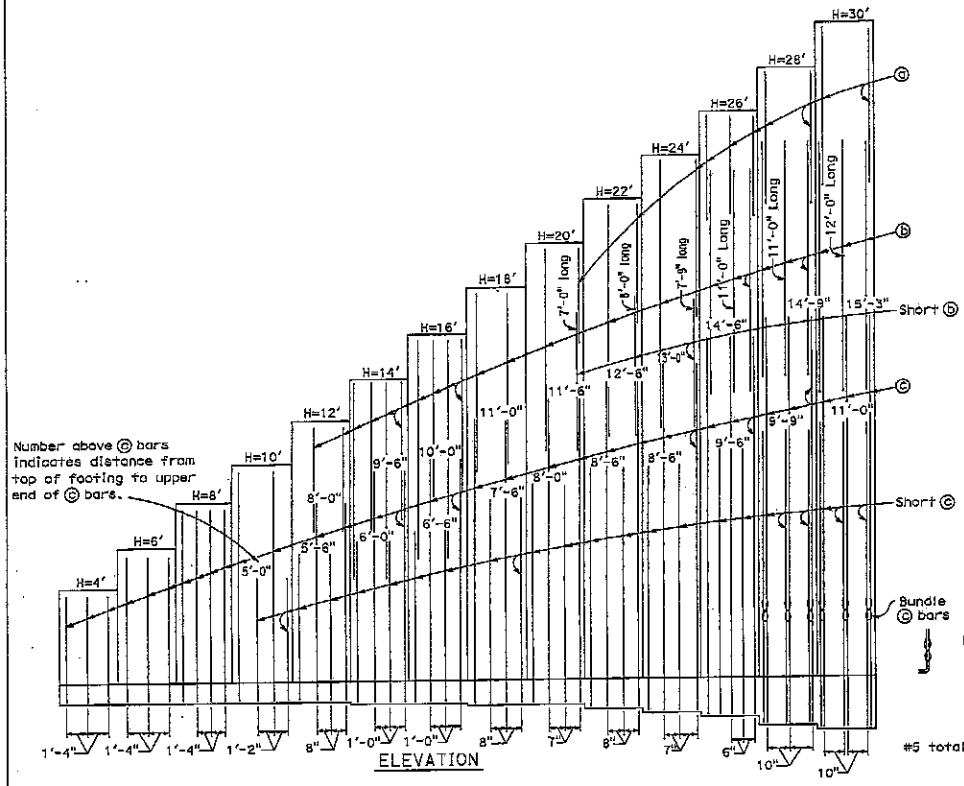
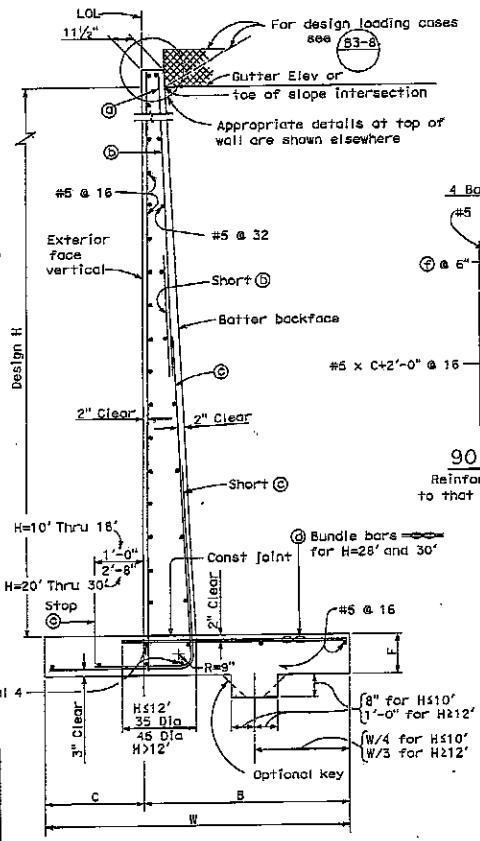
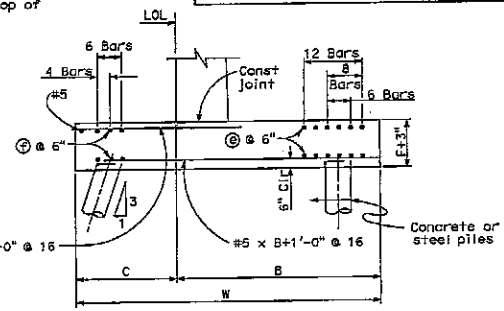






90 KIP PILE FOOTING SECTION

Reinforcement detailed is to be placed in addition to that shown for spread footing. All piles not shown, see pile layout on other sheets.

TABLE OF REINFORCING STEEL DIMENSIONS AND DATA

Design H		4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'
W		3'-3"	4'-3"	5'-3"	6'-3"	7'-3"	8'-0"	9'-0"	10'-0"	11'-0"	12'-1"	13'-3"	14'-3"	15'-3"	16'-9"
C		1'-0"	1'-4"	1'-8"	2'-0"	2'-4"	2'-7"	2'-11"	3'-3"	3'-7"	3'-11"	4'-5"	4'-9"	5'-1"	5'-5"
B		2'-3"	2'-11"	3'-7"	4'-3"	4'-11"	5'-5"	6'-1"	6'-9"	7'-5"	8'-2"	8'-10"	9'-6"	10'-2"	11'-4"
F		1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-6"	1'-5"	1'-6"	1'-6"	1'-8"	1'-10"	2'-2"	2'-6"	2'-9"
Batter		½:12	½:12	½:12	½:12	½:12	½:12	½:12	½:12	½:12	½:12	⅝:12	¾:12	¾:12	⅞:12
	ⓐ bars	—	—	—	—	—	—	—	—	#5 @ 28	#5 @ 32	#5 @ 28	#5 @ 12	#5 @ 20	#6 @ 20
	ⓑ bars	—	—	—	—	#5 @ 16	#5 @ 12	#5 @ 12	#6 @ 16	#6 @ 14	#8 @ 16	#8 @ 14	#8 @ 12	#8 @ 10	#9 @ 10
	ⓒ bars	#5 @ 16	#5 @ 16	#5 @ 16	#6 @ 14	#6 @ 8	#8 @ 12	#9 @ 12	#9 @ 8	#9 @ 7	#11 @ 8	#11 @ 7	#11 @ 6	#11 @ 10½	#11 @ 10½
	ⓓ bars	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 14	#5 @ 8	#8 @ 12	#9 @ 12	#9 @ 8	#9 @ 7	#11 @ 8	#11 @ 7	#11 @ 6	#11 @ 10½	#11 @ 10½
Total	ⓔ bars	6-#6	6-#6	6-#6	12-#6	12-#6	12-#6	12-#6	8-#6	8-#6	8-#6	6-#6	6-#6	6-#6	6-#6
Total	ⓕ bars	—	—	—	6-#6	6-#6	6-#6	6-#6	6-#6	6-#6	6-#6	4-#5	4-#5	4-#5	4-#5
Loading Case I	Toe Pressure ksf	1.7	1.9	2.2	2.5	2.8	3.3	3.5	4.0	4.3	4.6	4.9	5.3	5.7	6.3
Loading Case II	Toe Pressure ksf	1.1	1.5	2.0	2.3	2.7	3.3	3.7	4.2	4.7	5.5	6.0	6.5	7.1	7.5
Loading Case III	Toe Pressure ksf	1.4	1.7	2.1	2.5	2.9	3.4	3.8	4.3	4.8	5.4	5.8	6.5	7.2	7.5

⅀ Denotes a bundle of 2 bars

NOTES:

1. For details not shown and drainage notes see B3-8
2. For wall stem joint details see B0-3 3-3 and B0-3 3-4
3. For pile footing for design H=4' use same footing dimensions as for design H=6'.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

RETAINING WALL TYPE 1 H=4' THROUGH 30'

NO SCALE

B3-1

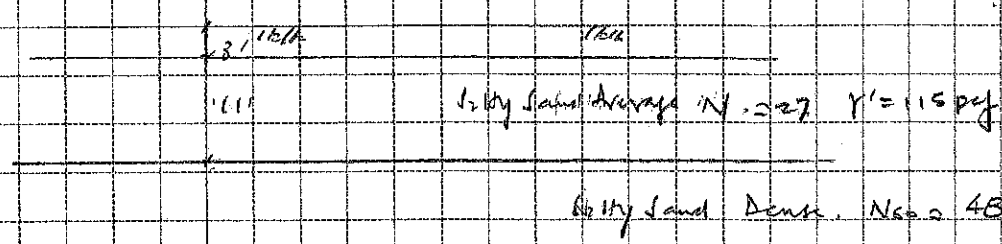
Return to Table of Contents

SETTLEMENT ANALYSES

PARIKH
Practicing in the Geosciences

JOB: Kings Beach Commercial Core Improvement Project
SHEET NO: OF
CALCULATED BY: A Lam DATE: 7/2011
CHECKED BY: DATE:
SCALE:

Settlement Analyses - Retaining Wall Nos 1 & 2 (Boring A-10-120)



Corrected $N_1 = C_N \cdot N$

$C_N = 0.77 \log_{10} [40/\sigma_v]$ and $C_N \leq 2.0$

$\sigma_v' = 8.5 \times 115 = 977.5$ psf $= 0.9775$ ksf

$C_N = 0.77 \log_{10} 40/0.9775$

≈ 1.24

$(N_1)_{60} = 27 \times 1.24$

$= 34$

Now $\Delta H_1 = H_c \frac{1}{C'} \log \left(\frac{\sigma_o' + \Delta\sigma_v}{\sigma_o'} \right)$

Now $H_c = 11$ feet
$C' = 85$
$\sigma_o' = 977.5$ psf
$\Delta\sigma_v = 1800$ psf (Maximum height of retaining wall)

Calculated Max settlement $\Delta H_1 = \frac{11 \times 12}{85} \log \left(\frac{1800 + 977.5}{977.5} \right)$

≈ 0.7 inches < 1.0 inches

Estimated differential settlement $\approx 50\%$ of the maximum
$= 0.5 \times 0.7 = 0.35$ inches < 0.5 inches

Settlement Analysis - Retaining Wall Nos 3 & 4 (Borings A-10-183)

10'	Poorly graded sand/silty sand Avg SPT N = 29 $\gamma' = 115$ pcf

Corrected $N_1 = C_N \cdot N$

$C_N = 0.77 \log_{10}(40/\sigma_v')$

$\sigma_v' = 10 \times 115 = 1150$ psf

$C_N = 0.77 \log(40/1.15)$

$= 1.18$

$(N_1)_{60} = 29 \times 1.18 = 35$

Now $\Delta H_c = \frac{H_c}{C'} \log\left(\frac{\sigma_o' + \Delta\sigma}{\sigma_o'}\right)$

$H_c = 10$ feet

$C' = 85$

$\sigma_o' = 1150$ psf

$\Delta\sigma_v = 1800$ psf (Maximum height of retaining wall)

Calculated Max Settlement $\Delta H_c = \frac{10 \times 12}{85} \log\left(\frac{1800 + 1150}{1150}\right)$

$= 0.6$ inches < 1.00 inches OK

Estimated Differential Settlement = 50% of the maximum

$= 0.5 \times 0.6$

$= 0.3$ inches < 0.5 inches OK

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JOB Kings Beach Commercial Core Improvement Project
SHEET NO ____ OF ____
CALCULATED BY A Lam DATE 8/2/2011
CHECKED BY ____ DATE ____
SCALE ____

Settlement Analyses - Retaining Wall Nos 3 & 4 (Borings A-11-27)

6' | Silty Sand SPT N = 11 γ = 115 pcf

Corrected $N_1 = C_N \cdot N$

$= 0.77 \log_{10} (40/\sigma_o')$

$\sigma_o' = 3 \times 115 = 345$ psf

$C_N = 0.77 \log (40/0.345)$

$= 1.59$

$(N_1)_{60} = 11 \times 1.59 = 17.5$

$NW \quad \Delta H_1 = H_c \frac{1}{C'} \log \left(\frac{\sigma_o' + \Delta\sigma_v}{\sigma_o'} \right)$

$H_c = 6$ feet

$C' = 55$

$\sigma_o' = 345$ psf

$\Delta\sigma_v' = 1800$ psf Retained height = 5' Plan B-1

Calculated maximum settlement $= \Delta H_1 = \frac{6 \times 12}{55} \log \left(\frac{345 + 1800}{345} \right)$

$= 1.0$ inch

Estimated differential settlement = 50% of the maximum

$= 0.5 \times 1.0$

$= 0.5$ inches

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JOB Keys Beach Commercial Core Improvement Project
SHEET NO _____ OF _____
CALCULATED BY A Lam DATE 7/2011
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SCALE _____

Settlement Analyses - Retaining Wall Nos. 5 & 6 (Borings R-10-115 ; R-10-121 and A-10-122)

Based on the boring logs, the subsurface soil conditions consists of very dense sand / gravel, cobbles and boulders. It appears that the maximum settlement and differential settlement should be within the tolerable limits.

Table 10.6.2.4.2-1 Elastic Shape and Rigidity Factors, EPRI (*1983*).

L/B	Flexible, β_z (average)	β_z Rigid
Circular	1.04	1.13
1	1.06	1.08
2	1.09	1.10
3	1.13	1.15
5	1.22	1.24
10	1.41	1.41

Estimation of spread footing settlement on cohesionless soils by the empirical Hough method shall be determined using Eqs. 2 and 3. *SPT* blow counts shall be corrected as specified in Article 10.4.6.2.4 for depth, i.e. overburden stress, before correlating the *SPT* blow counts to the bearing capacity index, *C'*.

$$S_e = \sum_{i=1}^{n} \Delta H_i \qquad (10.6.2.4.2\text{-}2)$$

in which:

$$\Delta H_i = H_c \frac{1}{C'} \log\left(\frac{\sigma'_o + \Delta\sigma_v}{\sigma'_o}\right) \qquad (10.6.2.4.2\text{-}3)$$

where:

n = number of soil layers within zone of stress influence of the footing

ΔH_i = elastic settlement of layer i (ft.)

H_C = initial height of layer i (ft.)

C' = bearing capacity index from Figure 1 (dim.)

In Figure 1, N' shall be taken as $N1_{60}$, Standard Penetration Resistance, N (blows/ft.), corrected for overburden pressure as specified in Article 10.4.6.2.4.

σ'_o = initial vertical effective stress at the midpoint of layer i (ksf)

$\Delta\sigma_v$ = increase in vertical stress at the midpoint of layer i (ksf)

The Hough method was developed for normally consolidated cohesionless soils.

The Hough method has several advantages over other methods used to estimate settlement in cohesionless soil deposits, including express consideration of soil layering and the zone of stress influence beneath a footing of finite size.

The subsurface soil profile should be subdivided into layers based on stratigraphy to a depth of about three times the footing width. The maximum layer thickness should be about 10 ft.

While Cheney and Chassie (*2000*), and Hough (*1959*), did not specifically state that the SPT N values should be corrected for hammer energy in addition to overburden pressure, due to the vintage of the original work, hammers that typically have an efficiency of approximately 60 percent were in general used to develop the empirical correlations contained in the method. If using *SPT* hammers with efficiencies that differ significantly from this 60 percent value, the *N* values should also be corrected for hammer energy, in effect requiring that $N1_{60}$ be used.

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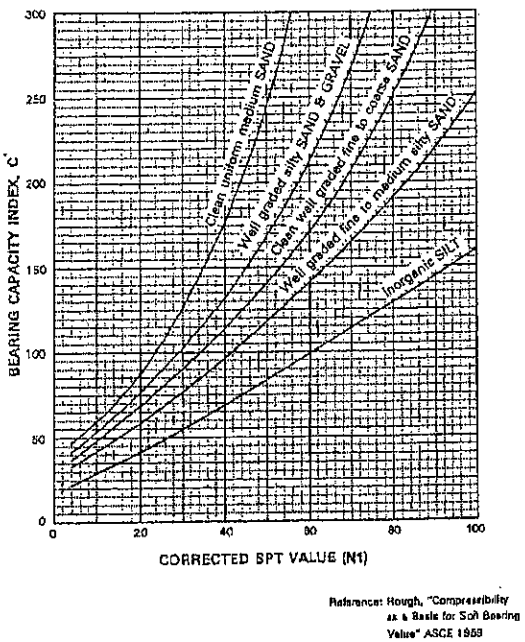

Figure 10.6.2.4.2-1 Bearing Capacity Index versus Corrected SPT (modified from *Cheney and Chassie, 2000*, after *Hough, 1959*).

10.6.2.4.3 Settlement of Footings on Cohesive Soils

Spread footings in which cohesive soils are located within the zone of stress influence shall be investigated for consolidation settlement. Elastic and secondary settlement shall also be investigated in consideration of the timing and sequence of construction loading and the tolerance of the structure to total and differential movements.

Where laboratory test results are expressed in terms of void ratio, e, the consolidation settlement of footings shall be taken as:

- For overconsolidated soils where $\sigma'_p > \sigma'_o$, see Figure 1:

$$S_c = \left[\frac{H_c}{1+e_o}\right]\left[C_r \log\left(\frac{\sigma'_p}{\sigma'_o}\right) + C_c \log\left(\frac{\sigma'_f}{\sigma'_p}\right)\right] \quad (10.6.2.4.3\text{-}1)$$

- For normally consolidated soils where $\sigma'_p = \sigma'_o$:

$$S_c = \left[\frac{H_c}{1+e_o}\right]\left[\left(C_c \log\frac{\sigma'_f}{\sigma'_p}\right)\right] \quad (10.6.2.4.3\text{-}2)$$

- For underconsolidated soils where $\sigma'_p < \sigma'_o$:

The Hough method is applicable to cohesionless soil deposits. The "Inorganic Silt" curve should generally not be applied to soils that exhibit plasticity. The settlement characteristics of cohesive soils that exhibit plasticity should be investigated using undisturbed samples and laboratory consolidation tests as prescribed in Article 10.6.2.4.3.

C10.6.2.4.3

In practice, footings on cohesive soils are most likely founded on overconsolidated clays, and settlements can be estimated using elastic theory (*Baguelin et al., 1978*), or the tangent modulus method (*Janbu, 1963, 1967*). Settlements of footings on overconsolidated clay usually occur at approximately one order of magnitude faster than soils without preconsolidation, and it is reasonable to assume that they take place as rapidly as the loads are applied. Infrequently, a layer of cohesive soil may exhibit a preconsolidation stress less than the calculated existing overburden stress. The soil is then said to be underconsolidated because a state of equilibrium has not yet been reached under the applied overburden stress. Such a condition may have been caused by a recent lowering of the groundwater table. In this case, consolidation settlement will occur due to the additional load of the structure and the settlement that is occurring to reach a state of equilibrium. The total consolidation settlement due to these two components can be estimated by Eq. 3 or Eq. 6.

Normally consolidated and underconsolidated soils should be considered unsuitable for direct support of spread footings due to the magnitude of potential settlement, the time required for settlement, for low shear strength concerns, or any combination of these design considerations. Preloading or vertical drains may be considered to mitigate these concerns.

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10.4.6.2.4 Drained strength of Granular Soils

The drained friction angle of granular deposits should be evaluated by correlation to the results of *SPT* testing, *CPT* testing, or other relevant in-situ tests. Laboratory shear strength tests on undisturbed samples, if feasible to obtain, or reconstituted disturbed samples, may also be used to determine the shear strength of granular soils.

If *SPT N* values are used, unless otherwise specified for the design method or correlation being used, they shall be corrected for the effects of overburden pressure determined as:

$$N1 = C_N N \qquad (10.4.6.2.4\text{-}1)$$

$N1$ = *SPT* blow count corrected for overburden pressure, σ'_v (blows/ft.)

C_N = $[0.77 \log_{10}(40/\sigma'_v)]$, and $C_N < 2.0$

σ'_v = vertical effective stress (ksf)

N = uncorrected *SPT* blow count (blows/ft.)

SPT N values should also be corrected for hammer efficiency, if applicable to the design method or correlation being used, determined as:

$$N_{60} = (ER/60\%)N \qquad (10.4.6.2.4\text{-}2)$$

where:

N_{60} = *SPT* blow count corrected for hammer efficiency (blows/ft.)

ER = hammer efficiency expressed as percent of theoretical free fall energy delivered by the hammer system actually used

N = uncorrected *SPT* blow count (blows/ft.)

When *SPT* blow counts have been corrected for both overburden effects and hammer efficiency effects, the resulting corrected blow count shall be denoted as $N1_{60}$, determined as:

$$N1_{60} = C_N N_{60} \qquad (10.4.6.2.4\text{-}3)$$

C10.4.6.2.4

Because obtaining undisturbed samples of granular deposits for laboratory testing is extremely difficult, the results of in-situ tests are commonly used to develop estimates of the drained friction angle, ϕ_f. If reconstituted disturbed soil samples and laboratory tests are used to estimate the drained friction angle, the reconstituted samples should be compacted to the same relative density estimated from the available in-situ data. The test specimen should be large enough to allow the full grain size range of the soil to be included in the specimen. This may not always be possible, and if not possible, it should be recognized that the shear strength measured would likely be conservative.

A method using the results of *SPT* testing is presented. Other in-situ tests such as *CPT* and *DMT* may be used. For details on determination of ϕ_f from these tests, refer to Sabatini et al. (*2002*).

The use of automatic trip hammers is increasing. In order to use correlations based on standard rope and cathead hammers, the *SPT N* values must be corrected to reflect the greater energy delivered to the sampler by these systems.

Hammer efficiency (ER) for specific hammer systems used in local practice may be used in lieu of the values provided. If used, specific hammer system efficiencies shall be developed in general accordance with ASTM D 4945 for dynamic analysis of driven piles or other accepted procedure.

The following values for ER may be assumed if hammer specific data are not available, e.g., from older boring logs:

ER = 60 percent for conventional drop hammer using rope and cathead

ER = 80 percent for automatic trip hammer

Corrections for rod length, hole size, and use of a liner may also be made if appropriate. In general, these are only significant in unusual cases or where there is significant variation from standard procedures. These corrections may be significant for evaluation of liquefaction. Information on these additional corrections may be found in *Youd and Idriss, 1997.*

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STRUCTURAL PAVEMENT DESIGN

PAVEMENT DESIGN (ENGLISH)

PROJECT: Kings Beach Commercial Core Improvement Project JOB NO.: 2010-143-404
LOCATION : County Roadway, Kings Beach DATE : 3/7/2011

Traffic Index (TI) (20-Year)	=	6.5
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	40

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 2)/AS (CLALSS 4)

a) Total required GE = 0.0032 (TI)(100-R_{SUB})	=	1.25	
b) Required GE of HMA = 0.0032 (TI)(100-R_{AB})	=	0.46	
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.66	
d) Actual thickness of HMA (t_{HMA})	=	0.30	(from Table 633.1)
e) GE of actual thicknss of HMA	=	0.64	(from Table 633.1)
f) Required GE of the combined HMA&AB layers=0.0032(TI)(100-R_{AS})	=	1.04	
g) Add 0.2 foot as a safety factor to determine total GE for HMA&AB		1.24	
h) Required GE of AB (Class 2) (step g - step e)	=	0.60	
i) Actual thickness of AB (Class 2) ($t_{AB\ (CLASS\ 2)}$)	=	0.55	(from Table 633.1)
j) GE of actual thickness of AB (Class 2)	=	0.61	(from Table 633.1)
k) Required GE of Aggregate Subbase AS (step a - step e - step j)	=	0.00	
l) Thickness of AS (rounded)	=	0.00	

The structural section:

0.30 ft HMA

0.55 ft AB (Class 2)
0.00 ft AS (Class 4)

0.85 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Kings Beach Commercial Core Improvement Project JOB NO.: 2010-143-404
LOCATION : County Roadway, Kings Beach DATE : 3/7/2011

Traffic Index (TI) (20-Year)	=	6.5
R-value of Aggregate Base (Class 2) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	40

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 2)

a) Total required GE = 0.0032 (TI)(100-R_{SUB})	=	1.25	
b) Required GE of HMA = 0.0032 (TI)(100-R_{AB})	=	0.46	
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.66	
d) Actual thickness of HMA (t_{HMA})	=	0.30	(Table 633.1)
e) GE of actual thicknss of HMA	=	0.64	(Table 633.1)
h) Required GE of Aggregate Base (Class 2) (step a - step e)	=	0.61	
i) Actual thickness of Aggregate Base (Class 2) ($t_{AB\ (CLASS\ 2)}$)	=	0.55	(Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 2)	=	0.61	(Table 633.1)

The structural section:

0.30 ft HMA (Type A)

0.55 ft AB (Class 2)

0.85 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Kings Beach Commercial Core Improvement Project JOB NO.: 2010-403-404
LOCATION : County Roadway, Kings Beach DATE : 3/7/2011

Traffic Index (TI) (20-Year)	=	6.5	
R-value of Basement Soil (R_{SUB})	=	40	

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = 0.0032 (TI)(100-R_{SUB})	=	1.25	
b) Add 0.1 foot as safety factor to determine total GE for HMA	=	1.35	
c) Actual thickness of HMA (t_{HMA})	=	0.65	(Table 633.1)
d) GE of actual thicknss of HMA	=	1.49	(Table 633.1)

The structural section:

0.65 ft HMA (Type A)

0.65 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Kings Beach Commercial Core Improvement Project JOB NO.: 2010-143-404
LOCATION : State Route-28, Kings Beach DATE : 3/7/2011

Traffic Index (TI) (20-Year)	=	9.0
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	40

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 2)/AS (CLALSS 4)

a) Total required GE = 0.0032 (TI)(100-R_{SUB})	=	1.73
b) Required GE of HMA = 0.0032 (TI)(100-R_{AB})	=	0.63
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.83
d) Actual thickness of HMA (t_{HMA})	=	0.45 (from Table 633.1)
e) GE of actual thicknss of HMA	=	0.85 (from Table 633.1)
f) Required GE of the combined HMA&AB layers=0.0032(TI)(100-R_{AS})	=	1.44
g) Add 0.2 foot as a safety factor to determine total GE for HMA&AB		1.64
h) Required GE of AB (Class 2) (step g - step e)	=	0.79
i) Actual thickness of AB (Class 2) ($t_{AB\ (CLASS\ 2)}$)	=	0.50 (from Table 633.1)
j) GE of actual thickness of AB (Class 2)	=	0.55 (from Table 633.1)
k) Required GE of Aggregate Subbase AS (step a - step e - step j)	=	0.33
l) Thickness of AS (rounded)	=	0.35

The structural section:

0.45 ft HMA

0.50 ft AB (Class 2)
0.35 ft AS (Class 4)

1.30 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Kings Beach Commercial Core Improvement Project
LOCATION : State Route-28, Kings Beach

JOB NO.: 2010-143-404
DATE : 3/7/2011

Traffic Index (TI) (20-Year)	=	9.0
R-value of Aggregate Base (Class 2) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	40

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 2)

a) Total required GE = 0.0032 (TI)(100-R_{SUB})	=	1.73
b) Required GE of HMA = 0.0032 (TI)(100-R_{AB})	=	0.63
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.83
d) Actual thickness of HMA (t_{HMA})	=	0.45 (Table 633.1)
e) GE of actual thicknss of HMA	=	0.85 (Table 633.1)
h) Required GE of Aggregate Base (Class 2) (step a - step e)	=	0.88
i) Actual thickness of Aggregate Base (Class 2) ($t_{AB\ (CLASS\ 2)}$)	=	0.80 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 2)	=	0.88 (Table 633.1)

The structural section:

0.45 ft HMA (Type A)

0.80 ft AB (Class 2)

1.25 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Kings Beach Commercial Core Improvement Project JOB NO.: 2010-143-404
LOCATION : State Route-28, Kings Beach DATE : 3/7/2011

Traffic Index (TI) (20-Year)	=	9.0	
R-value of Basement Soil (R_{SUB})	=	40	

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = 0.0032 (TI)(100-R_{SUB})	=	1.73	
b) Add 0.1 foot as safety factor to determine total GE for HMA	=	1.83	
c) Actual thickness of HMA (t_{HMA})	=	0.85	(Table 633.1)
d) GE of actual thicknss of HMA	=	1.88	(Table 633.1)

The structural section:

0.85 ft HMA (Type A)

0.85 ft

Table 623.1M
Rigid Pavement Catalog
(High Mountain/High Desert, Type II Subgrade Soil) (1), (2), (3), (4)

	Rigid Pavement Structural Depth							
TI	With Lateral Support (ft)				Without Lateral Support (ft)			
< 9	0.80 JPCP 0.35 LCB 0.50 AS	0.85 JPCP 0.35 HMA-A 0.50 AS	0.85 JPCP 1.00 AB	0.80 JPCP 0.35 ATPB 0.80 AB	0.85 JPCP 0.35 LCB 0.50 AS	0.90 JPCP 0.35 HMA-A 0.50 AS	0.90 JPCP 1.00 AB	0.90 JPCP 0.35 ATPB 0.80 AB
9.5 to 10	0.85 JPCP 0.40 LCB 0.50 AS	0.85 JPCP 0.40 HMA-A 0.50 AS	0.90 JPCP 1.00 AB	0.90 JPCP 0.35 ATPB 0.80 AB	0.90 JPCP 0.40 LCB 0.50 AS	0.90 JPCP 0.40 HMA-A 0.50 AS	0.95 JPCP 1.00 AB	0.90 JPCP 0.35 ATPB 0.80 AB
10.5 to 11	0.90 JPCP 0.40 LCB 0.60 AS	0.90 JPCP 0.40 HMA-A 0.60 AS	0.95 JPCP 1.30 AB		0.95 JPCP 0.40 LCB 0.60 AS	0.95 JPCP 0.40 HMA-A 0.60 AS	1.00 JPCP 1.30 AB	
11.5 to 12	0.95 JPCP 0.40 LCB 0.60 AS	0.95 JPCP 0.40 HMA-A 0.60 AS			1.05 JPCP 0.40 LCB 0.60 AS	1.05 JPCP 0.40 HMA-A 0.60 AS		
12.5 to 13	1.00 JPCP 0.50 LCB 0.70 AS	1.05 JPCP 0.50 HMA-A 0.70 AS			1.10 JPCP 0.50 LCB 0.70 AS	1.15 JPCP 0.50 HMA-A 0.70 AS		
13.5 to 14	1.05 JPCP 0.50 LCB 0.70 AS	1.10 JPCP 0.50 HMA-A 0.70 AS			1.15 JPCP 0.50 LCB 0.70 AS	1.20 JPCP 0.50 HMA-A 0.70 AS		
14.5 to 15	1.10 JPCP 0.50 LCB 0.70 AS	1.15 JPCP 0.50 HMA-A 0.70 AS			1.20 JPCP 0.50 LCB 0.70 AS	1.25 JPCP 0.50 HMA-A 0.70 AS		
15.5 to 16	1.15 JPCP 0.50 LCB 0.70 AS	1.20 JPCP 0.50 HMA-A 0.70 AS			1.25 JPCP 0.50 LCB 0.70 AS	1.30 JPCP 0.50 HMA-A 0.70 AS		
16.5 to 17	1.20 JPCP 0.50 LCB 0.70 AS	1.25 JPCP 0.50 HMA-A 0.70 AS			1.30 JPCP 0.50 LCB 0.70 AS	1.35 JPCP 0.50 HMA-A 0.70 AS		
> 17	1.25 JPCP 0.50 LCB 0.70 AS	1.25 JPCP 0.50 HMA-A 0.70 AS			1.35 JPCP 0.50 LCB 0.70 AS	1.35 JPCP 0.50 HMA-A 0.70 AS		

Notes:
(1) Thicknesses shown for JPCP are for doweled pavement only. The thickness shown in these tables are not valid for nondoweled JPCP.
(2) Includes 0.15 ft sacrificial wearing course for future grinding of JPCP.
(3) Portland cement concrete may be substituted for LCB when justified for constructibility or traffic handling. If Portland cement concrete is used in lieu of LCB, it must be placed in a separate lift than JPCP and must not be bonded to the JPCP.
(4) If ATPB is needed for TIs > 10.0 to perpetuate an existing treated permeable layer, place the ATPB between the surface layer (JPCP or CRCP) and the base layer. No deduction is made to the thickness of the base and subbase layers on account of the ATPB.

Legend:
JPCP = Jointed Plain Concrete Pavement
CRCP = Continuously Reinforced Concrete Pavement
LCB = Lean Concrete Base
HMA-A = Hot Mix Asphalt (Type A)
ATPB = Asphalt Treated Permeable Base
AB = Class 2 Aggregate Base
AS = Class 2 Aggregate Subbase
TI = Traffic Index

Table 633.1
Gravel Equivalents of Structural Layers (ft)

	HMA[1],[2]											Base and Subbase					
	Traffic Index (TI)											HMAB; LCB	CTPB: CTB (Cl. A)	ATPB	CTB (Cl. B)	AB	AS
	5.0 & below	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0						
	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0							
Actual HMA Thickness	G_f (varies with TI and HMA thickness greater than 0.5 ft)											G_f (constant)					
(ft)	2.54	2.32	2.14	2.01	1.89	1.79	1.71	1.64	1.57	1.52	1.46	1.9	1.7	1.4	1.2	1.1	1.0
0.10	0.25	0.23	0.21	0.20	0.19	0.18	0.17	0.16	0.16	0.15	0.15	--	--	--	--	--	--
0.15	0.38	0.35	0.32	0.30	0.28	0.27	0.26	0.25	0.24	0.23	0.22	--	--	--	--	--	--
0.20	0.5	0.46	0.43	0.40	0.38	0.36	0.34	0.33	0.31	0.30	0.29						
0.25	0.63	0.58	0.54	0.50	0.47	0.45	0.43	0.41	0.39	0.38	0.37	--	--	0.35	--	--	--
0.30	0.76	0.69	0.64	0.60	0.57	0.54	0.51	0.49	0.47	0.45	0.44	--	--	0.42	--	--	--
0.35	0.89	0.81	0.75	0.70	0.66	0.63	0.60	0.57	0.55	0.53	0.51	0.67	0.60	0.49	0.42	0.39	0.35
0.40	1.01	0.93	0.86	0.80	0.76	0.72	0.68	0.65	0.63	0.61	0.59	0.76	0.68	0.56	0.48	0.44	0.40
0.45	1.14	1.04	0.96	0.90	0.85	0.81	0.77	0.74	0.71	0.68	0.66	0.86	0.77	0.63	0.54	0.50	0.45
0.50	1.27	1.16	1.07	1.00	0.94	0.90	0.85	0.82	0.79	0.76	0.73	0.95	0.85	0.70	0.60	0.55	0.50
0.55	1.41	1.29	1.19	1.12	1.05	1.00	0.95	0.91	0.87	0.84	0.81	1.05	0.94	0.77	0.66	0.61	0.55
0.60	1.58	1.45	1.34	1.25	1.18	1.12	1.07	1.02	0.98	0.95	0.91	1.14	1.02	0.84	0.72	0.66	0.60
0.65	1.76	1.61	1.49	1.39	1.31	1.25	1.19	1.14	1.09	1.05	1.02	1.24	1.11	0.91	0.78	0.72	0.65
0.70	--	1.78	1.64	1.54	1.45	1.38	1.31	1.26	1.21	1.16	1.12	1.33	1.19	--	0.84	0.77	0.70
0.75	--	1.95	1.80	1.69	1.59	1.51	1.44	1.38	1.32	1.27	1.23	1.43	1.28	--	0.90	0.83	0.75
0.80	--	2.12	1.96	1.84	1.73	1.64	1.57	1.50	1.44	1.39	1.34	1.52	1.36	--	0.96	0.88	0.80
0.85	--	--	2.13	1.99	1.88	1.78	1.70	1.63	1.56	1.51	1.46	1.62	1.45	--	1.02	0.94	0.85
0.90	--	--	2.30	2.15	2.03	1.92	1.83	1.76	1.69	1.63	1.57	1.71	1.53	--	1.08	0.99	0.90
0.95	--	--	--	2.31	2.18	2.07	1.97	1.89	1.81	1.75	1.69	1.81	1.62	--	1.14	1.05	0.95
1.00	--	--	--	2.47	2.33	2.21	2.11	2.02	1.94	1.87	1.81	1.90	1.70	--	1.20	1.10	1.00
1.05	--	--	--	2.64	2.49	2.36	2.25	2.16	2.07	2.00	1.93	2.00	1.79	--	1.26	1.16	1.05
1.10	--	--	--	--	2.65	2.51	2.40	2.29	2.20	2.12	2.05	--	--	--	--	--	--
1.15	--	--	--	--	2.81	2.67	2.54	2.43	2.34	2.25	2.18	--	--	--	--	--	--
1.20	--	--	--	--	2.98	2.82	2.69	2.58	2.48	2.39	2.30	--	--	--	--	--	--
1.25	--	--	--	--	--	2.98	2.84	2.72	2.61	2.52	2.43	--	--	--	--	--	--
1.30	--	--	--	--	--	3.14	2.99	2.87	2.75	2.65	2.56						
1.35	--	--	--	--	--	3.30	3.15	3.01	2.90	2.79	2.70	--	--	--	--	--	--
1.40	--	--	--	--	--	--	3.31	3.16	3.04	2.93	2.83	--	--	--	--	--	--
1.45	--	--	--	--	--	--	3.46	3.32	3.19	3.07	2.97	--	--	--	--	--	--
1.50	--	--	--	--	--	--	3.62	3.47	3.33	3.21	3.10	--	--	--	--	--	--
1.55	--	--	--	--	--	--	--	3.62	3.48	3.36	3.24	--	--	--	--	--	--
1.60	--	--	--	--	--	--	--	3.78	3.63	3.50	3.38	--	--	--	--	--	--
1.65	--	--	--	--	--	--	--	3.94	3.79	3.65	3.52	--	--	--	--	--	--
1.70	--	--	--	--	--	--	--	--	3.94	3.80	3.67	--	--	--	--	--	--
1.75	--	--	--	--	--	--	--	--	4.09	3.95	3.81	--	--	--	--	--	--
1.80	--	--	--	--	--	--	--	--	4.25	4.10	3.96	--	--	--	--	--	--
1.85	--	--	--	--	--	--	--	--	--	4.25	4.10	--	--	--	--	--	--
1.90	--	--	--	--	--	--	--	--	--	4.40	4.25	--	--	--	--	--	--
1.95	--	--	--	--	--	--	--	--	--	4.56	4.40	--	--	--	--	--	--
2.00	--	--	--	--	--	--	--	--	--	--	4.55	--	--	--	--	--	--

Notes:

(1) Open Graded Friction Course (conventional and rubberized) is a non-structural wearing course and provides no structural value.

(2) Top portion of HMA surface layer (maximum 0.20 ft.) may be replaced with equivalent RAC-G thickness. See Topic 631.3 for additional details.

APPENDIX D

Lindsey Rankin

From: Rebecca Mowry <rebecca_mowry@dot.ca.gov>
Sent: Tuesday, September 20, 2011 8:16 AM
To: Brian Stephenson
Cc: Lindsey Rankin; Dan LaPlante
Subject: Fw: 65% Plan Review 03-3C9301 Pla-28 Lings Beach CCIP

See below...
****
REBECCA MOWRY
Special Funded Project Manager
Caltrans, District 3
(916) 799-5794
----- Forwarded by Rebecca Mowry/HQ/Caltrans/CAGov on 09/20/2011 08:15 AM

Julia Rockenstein/D03/Caltrans/CAGov
09/14/2011 06:20 AM

To: Rebecca Mowry/HQ/Caltrans/CAGov@DOT
cc:
Subject: Re: 65% Plan Review 03-3C9301 Pla-28 Lings Beach CCIP(Document link: Rebecca Mowry)

Materials Comments with regards to State R/W:

Plans:
1. Proposed structural section #1 Delete "open grade" probably a typo. Open grade HMA is NOT structural and is not placed thicker than 0.10'.
2. Proposed sections # 2 and #3 are not adequate per HDM or Geotech report.
3. Proposed section #4 - there isn't any class 2 HMA and full depth HMA will not be allowed.
4. For ease of construction, why not make all PCC?
5. All HMA shall be lime treated.

Geotech Report with regards to State R/W only:

1. Disagree with analysis of existing pavement in lieu of deflection study.
Would be happy to discuss if they would like. For pavement rehabilitation (if any) of SR 28, a deflection study should be performed.
2. Table 3 Summary of existing pavement thickness. "Cannot be measured"
AB/AS is broken? What does that mean. How can AB/AS be "broken"
3. With just a core - how are you measuring the AB/AS thickness? Split tube bores allow this but not a conventional core.

Julia Rockenstein
Assistant District Materials Engineer - Marysville
530-741-5176

Rebecca Mowry/HQ/Caltrans/CAGov
08/25/2011 02:22 PM

To: Ken Keaton/D03/Caltrans/CAGov@DOT, Heidi Sykes/D03/Caltrans/CAGov@DOT, Jim Brake/D03/Caltrans/CAGov@DOT, Jean Marie Hunter/D03/Caltrans/CAGov@DOT, Julia Rockenstein/D03/Caltrans/CAGov@DOT, Salah Bouzid/D03/Caltrans/CAGov@DOT, John Keber/D03/Caltrans/CAGov@DOT, Harsbinder Chohan/D03/Caltrans/CAGov@DOT, T Chris Johnson/D03/Caltrans/CAGov@DOT, Chris Rockey/D03/Caltrans/CAGov@DOT, Brian Toepfer/D03/Caltrans/CAGov@DOT, Sergio Aceves/D03/Caltrans/CAGov@DOT, Gary Dossey/D03/Caltrans/CAGov@DOT

cc

Subject: 65% Plan Review 03-3C9301 Pla-28 Lings Beach CCIP

Everyone - In the next few days you will be receiving the 65% plans in district mail for review. This is a locally-sponsored project to construct streetscape improvements and roundabouts on Pla-28 in Kings Beach. Please return comments to me by Friday, September 16. Let me know if you have questions!

Julia - I am also send the Draft Geotechnical Report to you for review.

Heidi - Draft Supplemental Fact Sheets for superelevation will come in mid-September for review.

****

REBECCA MOWRY
Special Funded Project Manager
Caltrans, District 3
(916) 799-5794

REVISED
DEFLECTION AND STRUCTURAL ANALYSIS
for
STATE ROUTE 28
STATE ROUTE 267 TO CHIPMUNK STREET

Pavement Engineering Inc.
Civil Engineering • Landscape Architecture
CalTrans/AMRL QC/QA • Construction Management

January 19, 2012 Project No. 110226-01

Mr. Brian Stephenson
Dokken Engineering
2365 Iron Point Road, Suite 200
Folsom, CA 95630

Subject: Pavement Deflection and Structural Analysis for State Route 28 from State Route 267 to Chipmunk Street

Dear Brian:

In accordance with your request, we have completed the deflection testing and structural analysis of the subject project and are herein providing our findings and recommendations.

Introduction:

PEI evaluated the State Route 28 from State Route 267 to Chipmunk Street in Kings Beach. Our services included analyzing the existing pavement in general conformance with CTM 356 and a visual condition survey. Traffic indices for this analysis were provided by Dokken Engineering.

Included with this report are several appendices that can be referred to while reviewing this report. They include Dynaflect Data sheets and project photographs.

Pavement Analysis:

Each road section is analyzed independently in the following paragraphs. PEI has performed the analysis based on the design traffic indices of 9.0 and 9.5 as provided by Dokken Engineering.

The pavement exhibits block shrinkage cracking and slight to moderate raveling with severe raveling in the wheel tracks. Tire chains are a likely contributor to the severe raveling.

Based on the deflection analysis, the pavement is structurally adequate for both traffic indices of 9.0 and 9.5. The deflection testing indicates that the existing pavement structure supports the design traffic indexes.

Discussion:

Dokken Engineering requested testing the pavement for 20 and 40 year traffic indices with a grind/removal of the top 12 to 15 inches of material and placement of 6 inches of HMA on existing base material.

Recommendations:

Based on our analysis and review of the geotechnical field investigation results, utilizing a design section of 6 inches HMA over 12 inches of existing base (base defined as AB or subgrade material) for areas where the profile is being lowered up to 6 inches will meet the structural design requirements of CTM 301 for the design traffic indexes.

Rehabilitation Option:

In areas of the project where there is no change to the existing profile the following is recommended.

Reflective cracking criteria requires 1/2 the thickness of the bonded layer to inhibit reflective cracking. Pavement fabric can be used to reduce the reflective cracking overlay by 1-1/4 inches. For this pavement, a 4-1/2 inch overlay would be required if no pavement fabric is used and a minimum 3-1/4 inch overlay if fabric is used.

For this road, the 3-1/4 inch HMA overlay with fabric controls the rehabilitation requirements.

Discussion:

The overlay requirements for State Route 28 from State Route 267 to Chipmunk Street at 3-1/4 inches would require conforming at State Route 267, all side streets and curb and gutter where it exists. This thicker overlay would require substantial removal and replacement of pavement to provide smooth transitions at those conforms. We are providing alternatives for milling and replacing alternatives to rehabilitating the pavement.

The milling and replace options provided will generally provide 10-12 year service life due to reflective cracking. Overlays would provide an 8 to 12 year service life.

Recommendations:

Based on our analysis, we are providing alternatives for rehabilitating the existing pavements. PEI is providing alternatives utilizing milling and replacement of HMA, RHMA, and cold in place recycling.

For alternate 1, we recommend milling to a depth of 2-1/2 inches and placing 2-1/2 inches of RHMA. The existing cracks greater than 1/4 inch should be filled with a non-rubberized hot crack sealant such as Henry #93 Duroflex or equal.

For alternate 2, we recommend milling to a depth of 3-1/2 inches and placing 2-1/2 inches of new HMA placed 2 lifts. The non-rubberized hot pour crack sealant should be used to fill cracks prior to overlaying.

For alternate 3, we recommend milling 2-3/4 inches placing a 1 inch HMA leveling course, pavement fabric and placing 1-3/4 inches of new HMA. The pavement fabric should be a heavy duty type such as Tru Pave, Glassrid or equal.

For alternative 4, we recommend milling 2 inches of the existing HMA, cold in place recycling 3 inches of the existing pavement and placing 2 inches of new HMA.

Materials:

HMA overlays with lifts 2-1/2 inches or greater can be constructed using either 1/2 inch or 3/4 inch maximum size aggregate. HMA overlays less than 2-1/2 inches should be constructed using 1/2 inch maximum size aggregate.

HMA for leveling course should be constructed using 3/8 inch maximum size aggregate. A pneumatic tired roller should be used as part of the compaction process to assist with compaction.

The maximum aggregate size for the RHMA should be 1/2 inch.

Limitations:

This report has been prepared on the basis on the indicated field testing and application of our knowledge of pavement technology. The repair strategies in this report are based upon industry standards. The overlays have been designed in general conformance with California Test Method 356.

The report contains projections of future life. These are given to provide a broad outline for pavement maintenance budgeting. They should not be interpreted as providing definitive predictions of future pavement performance.

Our professional services were performed, findings obtained, and recommendations prepared in accordance with generally accepted engineering principles and practices. No warranty is either expressed or implied.

Summary:

We have completed the deflection analysis for State Route 28 from State Route 267 to Chipmunk Street. We provided full section and rehabilitation recommendations for the existing pavement. The recommended design section consists of 6 inches HMA over 12 inches of existing base (base defined as AB or subgrade material) for areas where the profile is being lowered up to 6 inches. Rehabilitations consist of milling and replacing with HMA and RHMA.

If you have any questions, please do not hesitate to give me a call at (530) 224-4535.

Very truly yours,
PAVEMENT ENGINEERING INC.

William J. Long, P.E.
Principal Engineer

Attachments: Dynaflect Data
Photographs

pc: C File
110226-01

PAVEMENT ENGINEERING INCORPORATED

Redding (530) 224-4535 **Petaluma** (707) 769-5330 **San Luis Obispo** (805) 781-2265

Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Chipmunk	Thickness:	0.75
To:	Route 267	Traffic Index:	9.00
Lane/Line:	WB1	Project Number:	110226-01

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	6.08	9.30	14.70	1.76

Road Surface

Thickness	Traffic Index
0.75	9.00

Structural Design

Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
14.00	0.00	10.77	11.55	0.00

PAVEMENT ENGINEERING INCORPORATED
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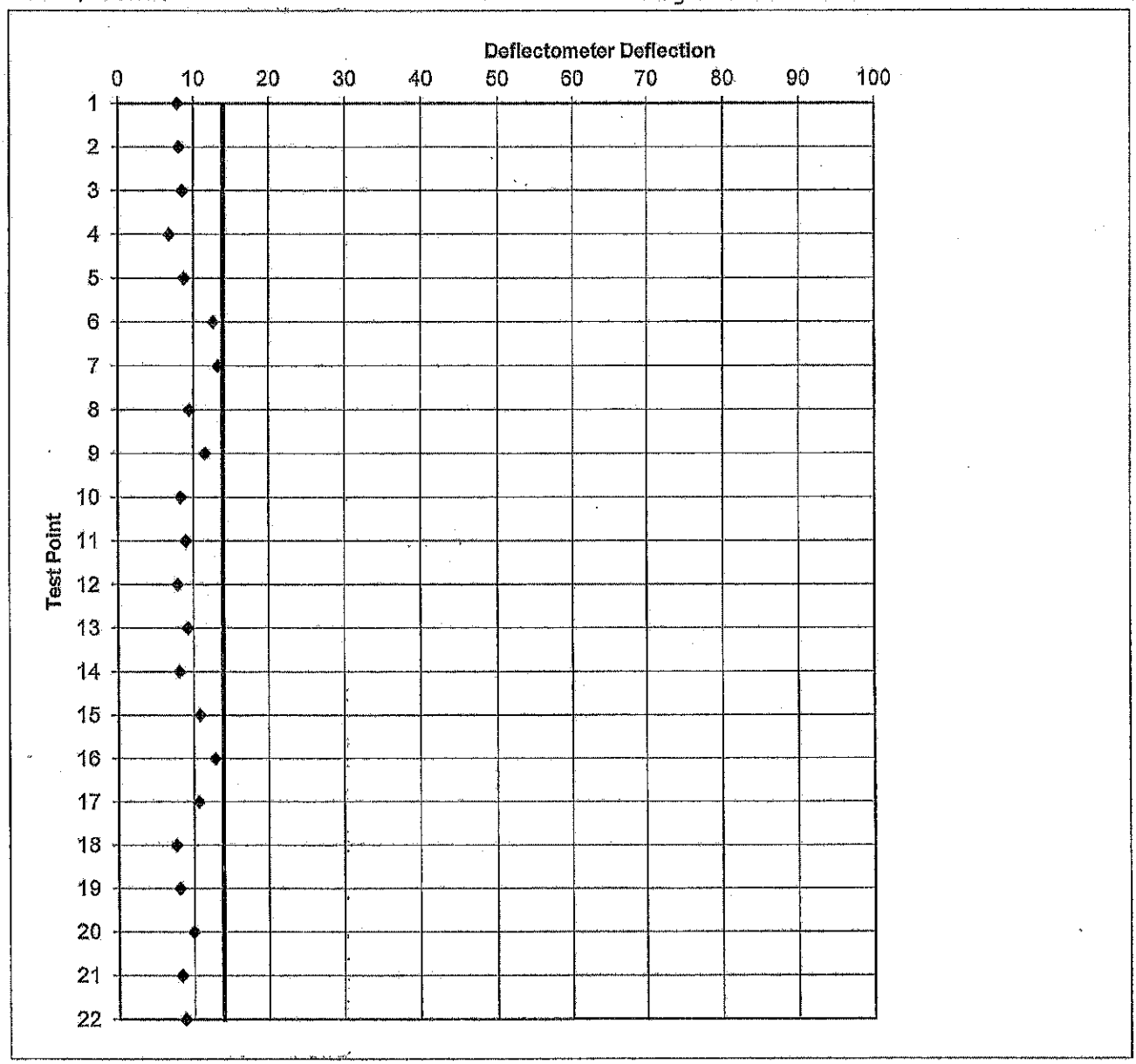
Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB1

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.00
Project Number: 110226-01

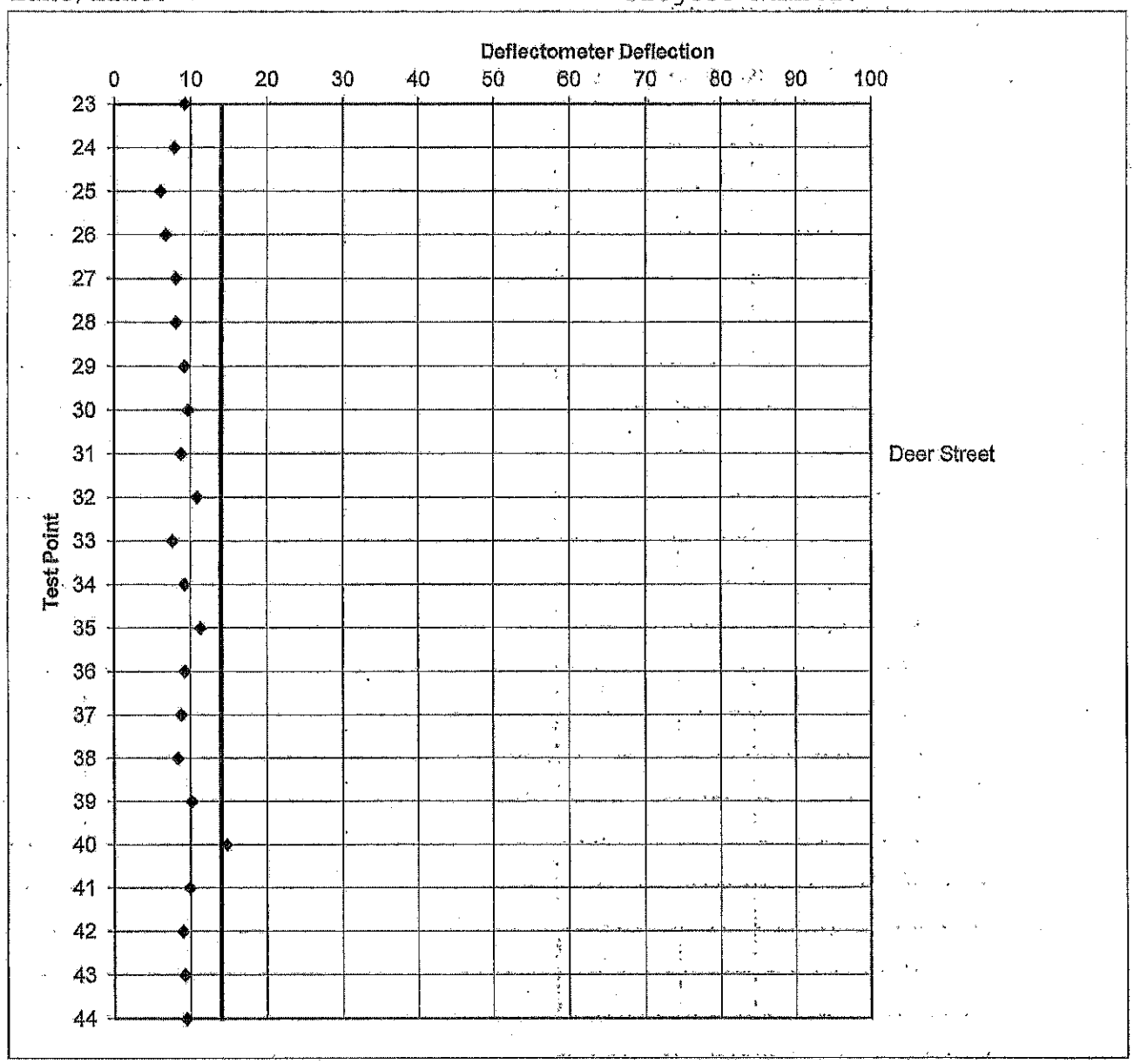


PAVEMENT ENGINEERING INCORPORATED
Redding (530) 224-4535 Petaluma (707) 769-5330 San Luis Obispo (805) 781-2265

Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB1

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.00
Project Number: 110226-01



PAVEMENT ENGINEERING INCORPORATED

Redding (530) 224-4535 **Petaluma** (707) 769-5330 **San Luis Obispo** (805) 781-2265

Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Chipmunk	Thickness:	0.75
To:	Route 267	Traffic Index:	9.00
Lane/Line:	WB2	Project Number:	110226-01

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	6.53	9.03	14.02	1.84

Road Surface

Thickness	Traffic Index
0.75	9.00

Structural Design

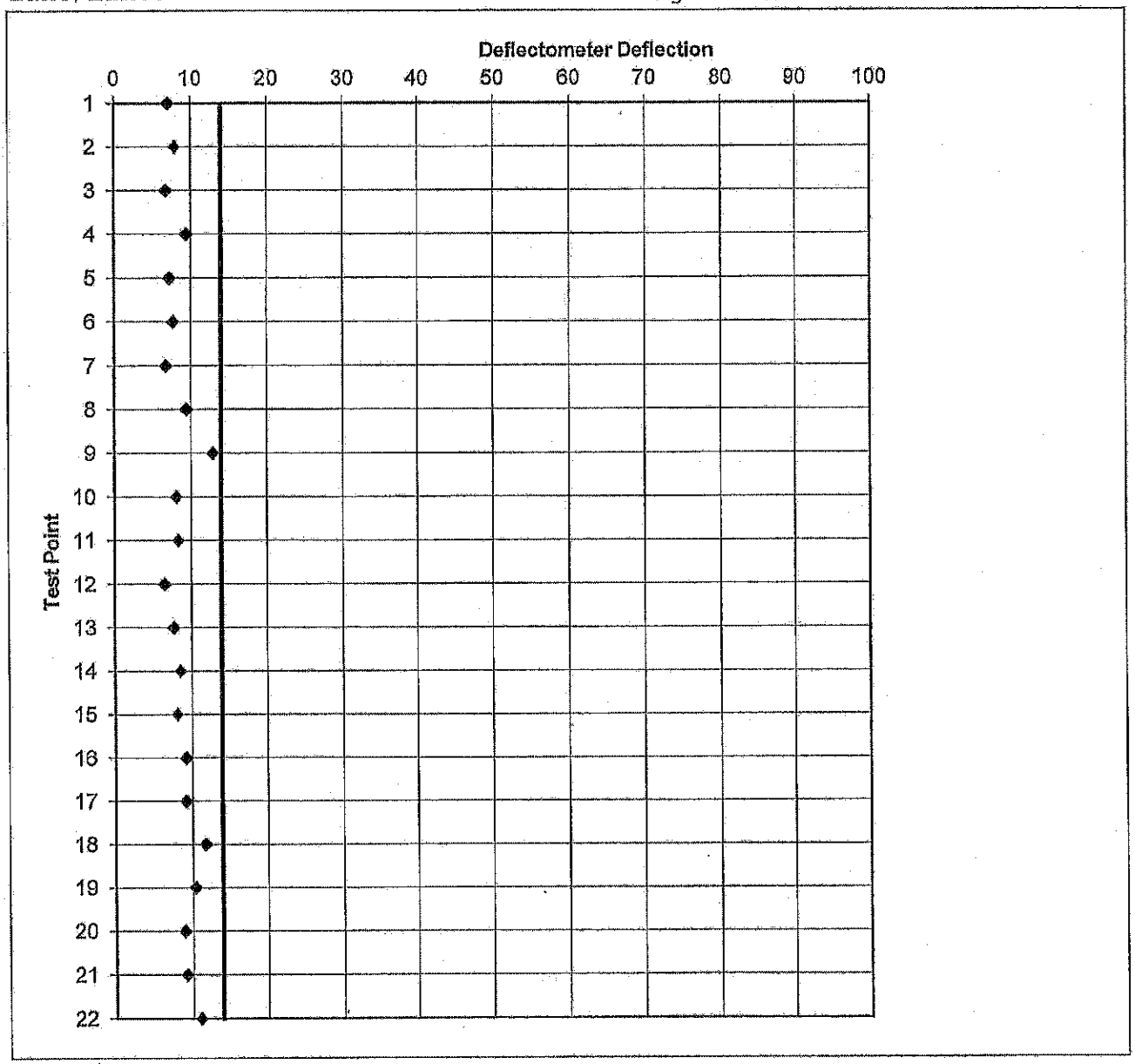
Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
14.00	0.00	10.58	11.38	0.00

PAVEMENT ENGINEERING INCORPORATED
Redding (530) 224-4535 Petaluma (707) 769-5330 San Luis Obispo (805) 781-2265

Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB2

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.00
Project Number: 110226-01

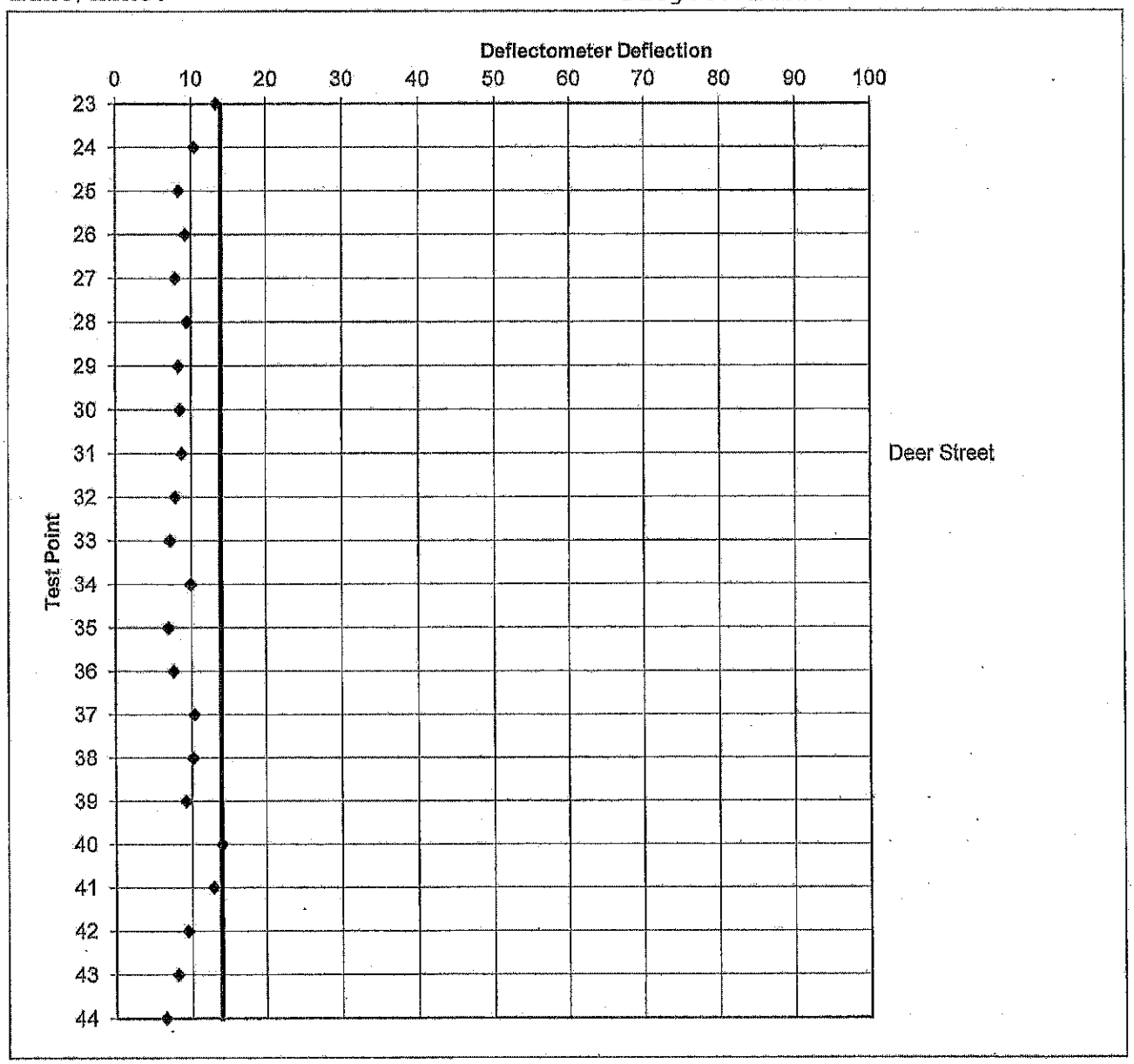


PAVEMENT ENGINEERING INCORPORATED
Redding (530) 224-4535 Petaluma (707) 769-5330 San Luis Obispo (805) 781-2265

Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB2

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.00
Project Number: 110226-01



PAVEMENT ENGINEERING INCORPORATED
Redding (530) 224-4535 Petaluma (707) 769-5330 San Luis Obispo (805) 781-2265

Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Route 267	Thickness:	0.75
To:	Chipmunk	Traffic Index:	9.00
Lane/Line:	EB1	Project Number:	110226-01

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	6.08	8.95	14.02	1.76

Road Surface

Thickness	Traffic Index
0.75	9.00

Structural Design

Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
14.00	0.00	10.42	11.19	0.00

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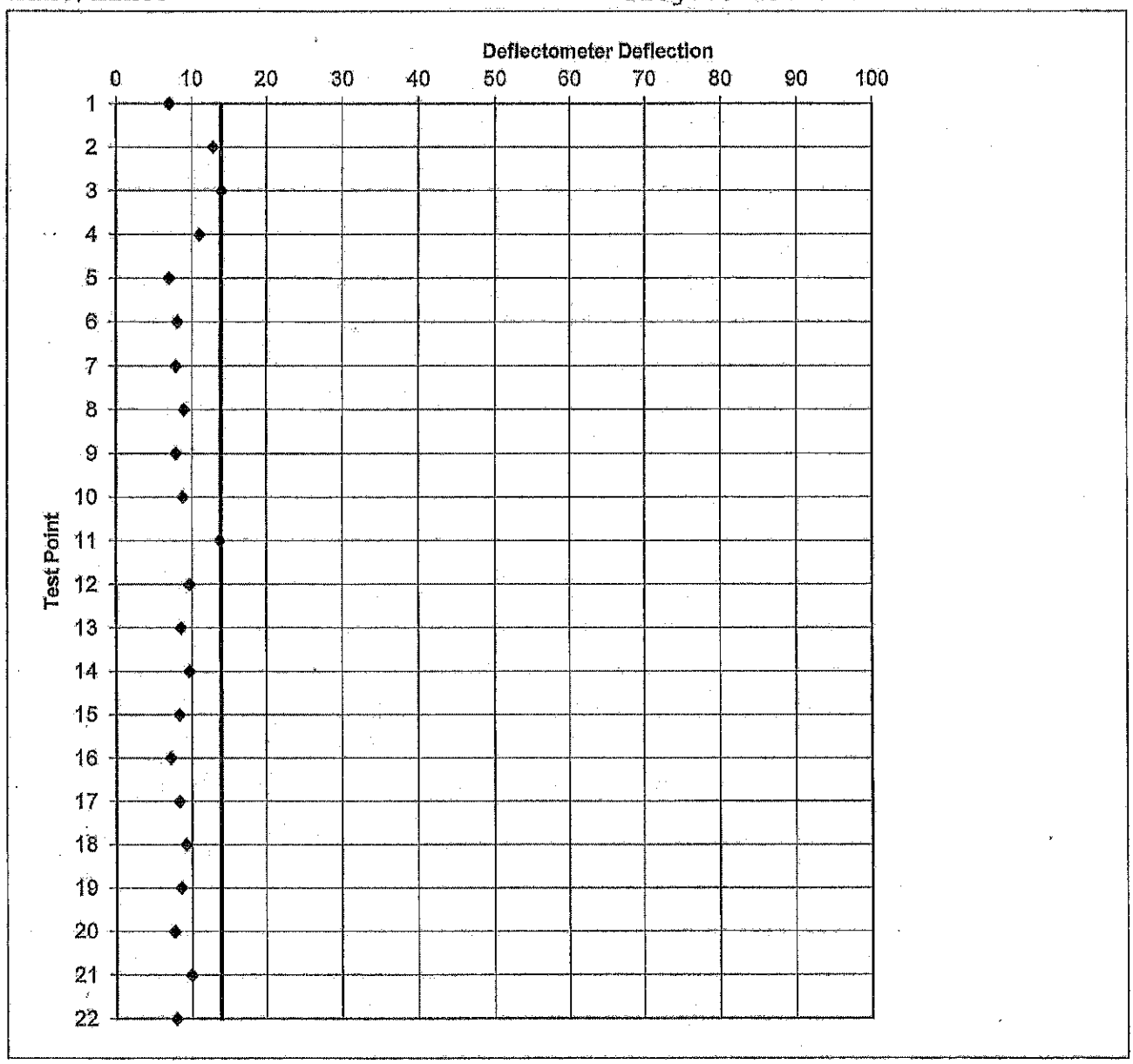
Dokken Engineering

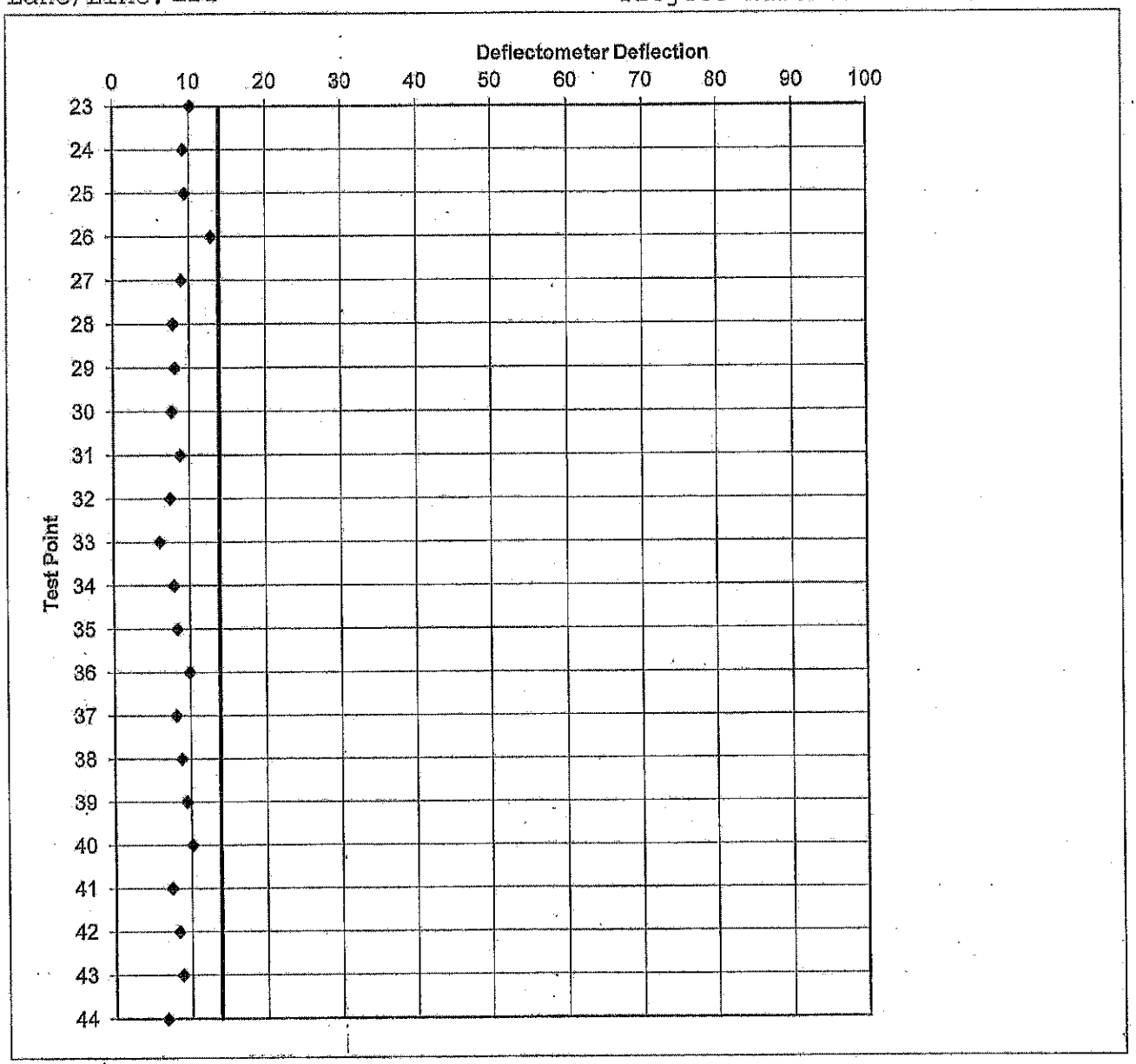
Road:	Route 28	Survey Date:	11/03/11
From:	Route 267	Thickness:	0.75
To:	Chipmunk	Traffic Index:	9.00
Lane/Line:	EB1	Project Number:	110226-01



Dokken Engineering

Road: Route 28
From: Route 267
To: Chipmunk
Lane/Line: EB1

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.00
Project Number: 110226-01



PAVEMENT ENGINEERING INCORPORATED

Redding (530) 224-4535 | **Petaluma** (707) 769-5330 | **San Luis Obispo** (805) 781-2265

Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Route 267	Thickness:	0.75
To:	Chipmunk	Traffic Index:	9.00
Lane/Line:	EB2	Project Number:	110226-01

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	4.72	7.83	14.70	2.04

Road Surface

Thickness	Traffic Index
0.75	9.00

Structural Design

Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
14.00	0.00	9.55	10.45	0.00

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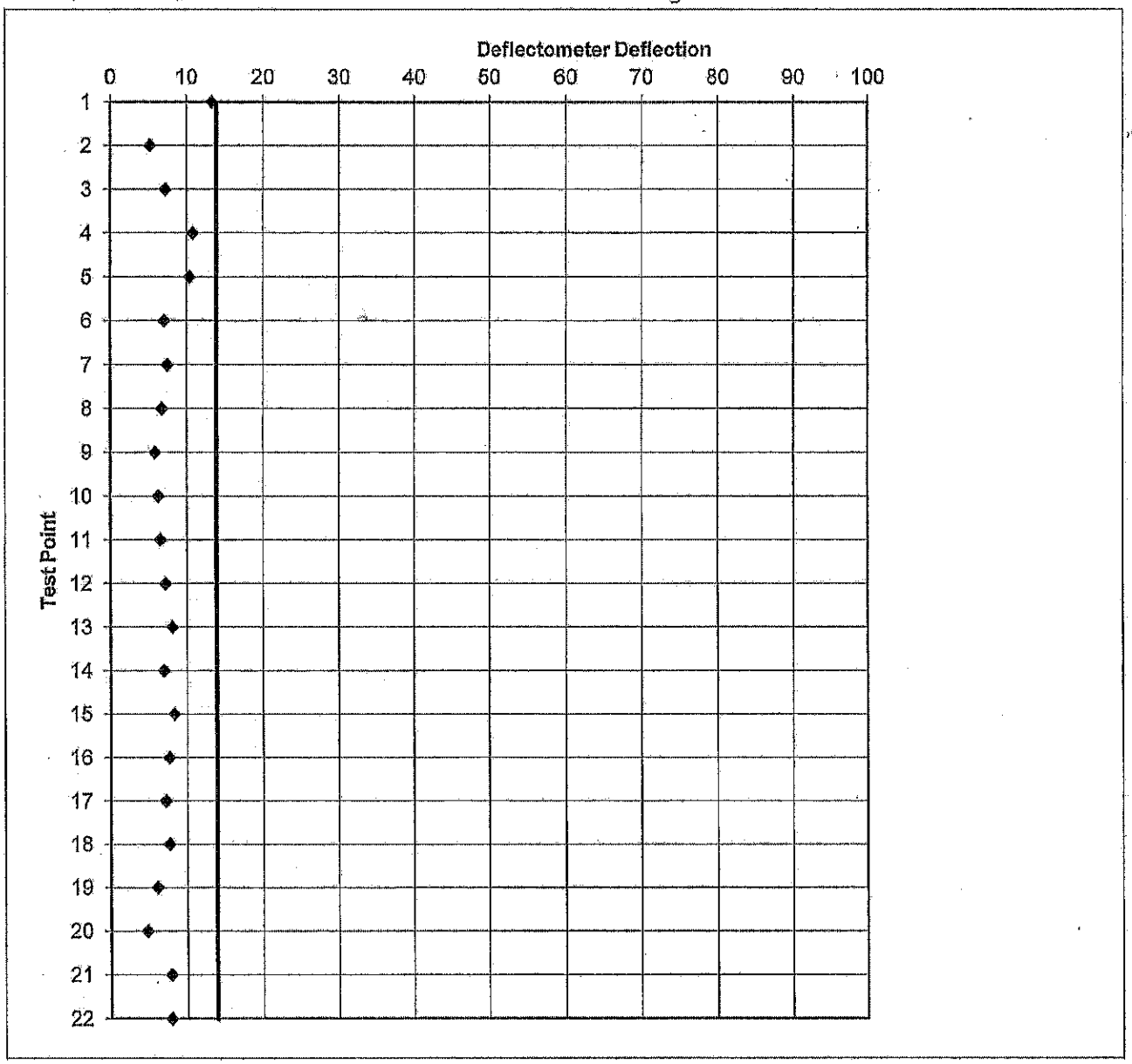
Dokken Engineering

Road: Route 28
From: Route 267
To: Chipmunk
Lane/Line: EB2

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.00
Project Number: 110226-01



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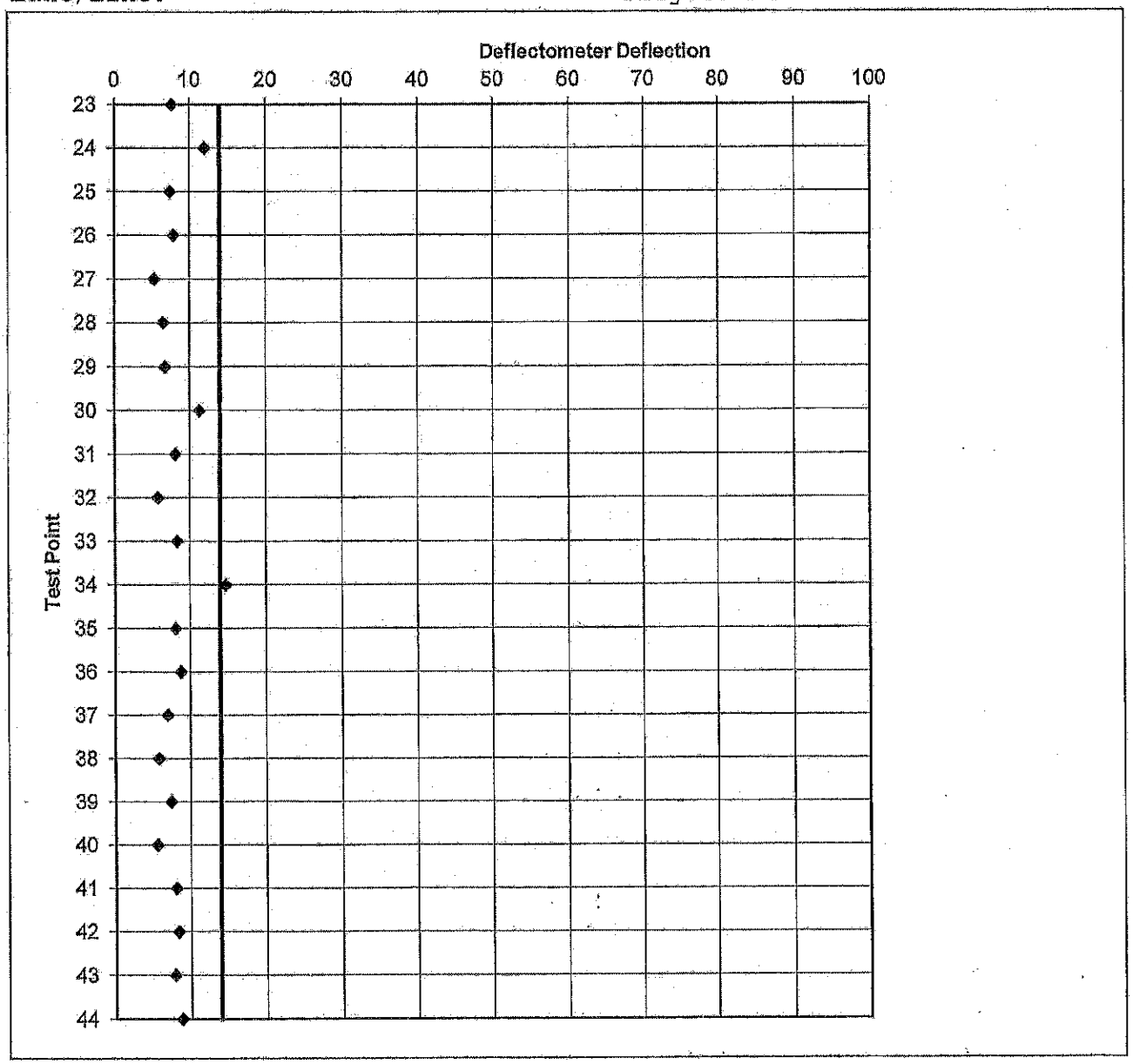
Dokken Engineering

Road: Route 28
From: Route 267
To: Chipmunk
Lane/Line: EB2

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.00
Project Number: 110226-01



PAVEMENT ENGINEERING INCORPORATED
Redding (530) 224-4535 Petaluma (707) 769-5330 San Luis Obispo (805) 781-2265

Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB1
Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.50
Project Number: 110226-01

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	6.08	9.30	14.70	1.76

Road Surface

Thickness	Traffic Index
0.75	9.50

Structural Design

Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
13.00	0.00	10.77	11.55	0.00

PAVEMENT ENGINEERING INCORPORATED
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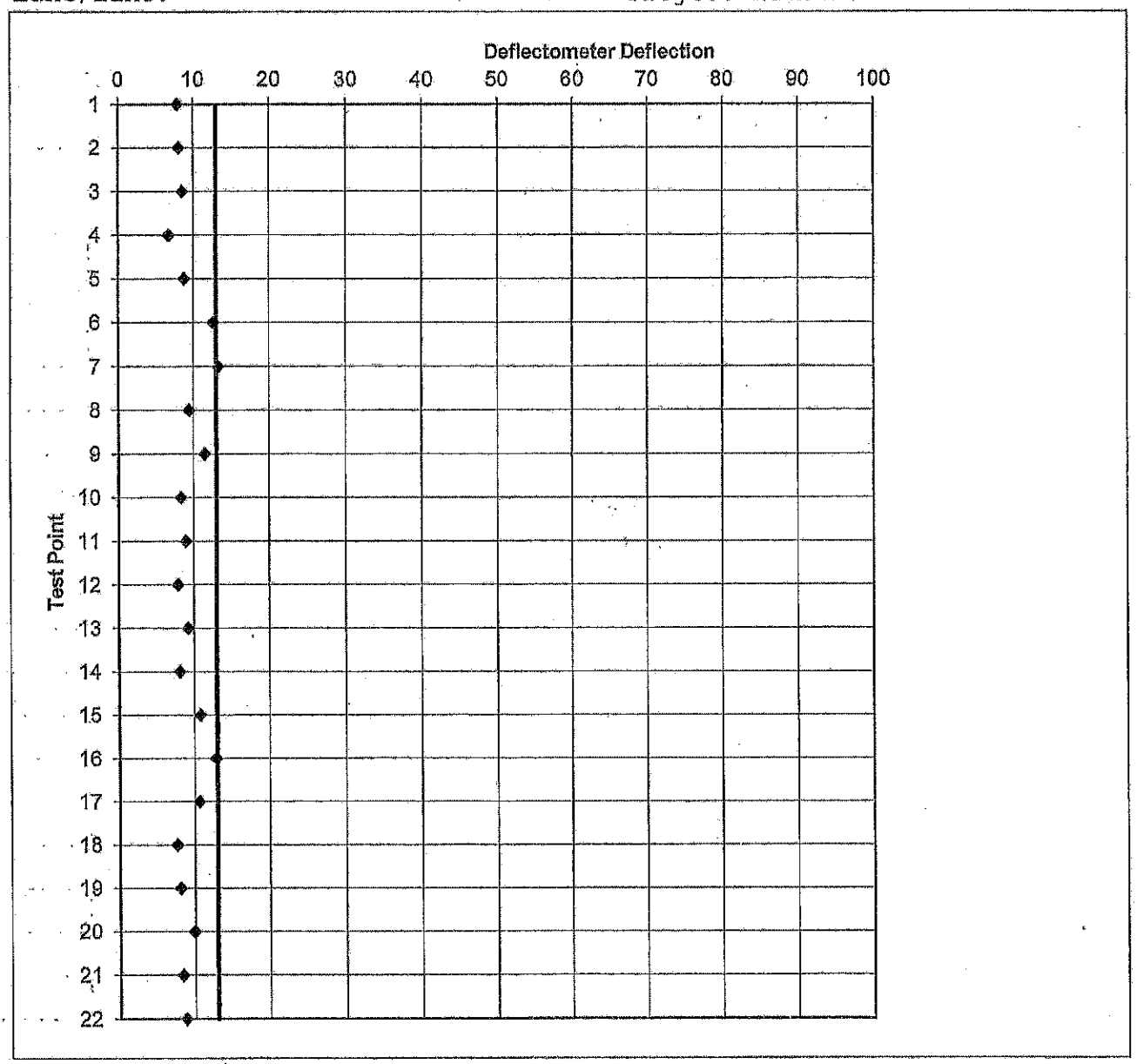
Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB1

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.50
Project Number: 110226-01

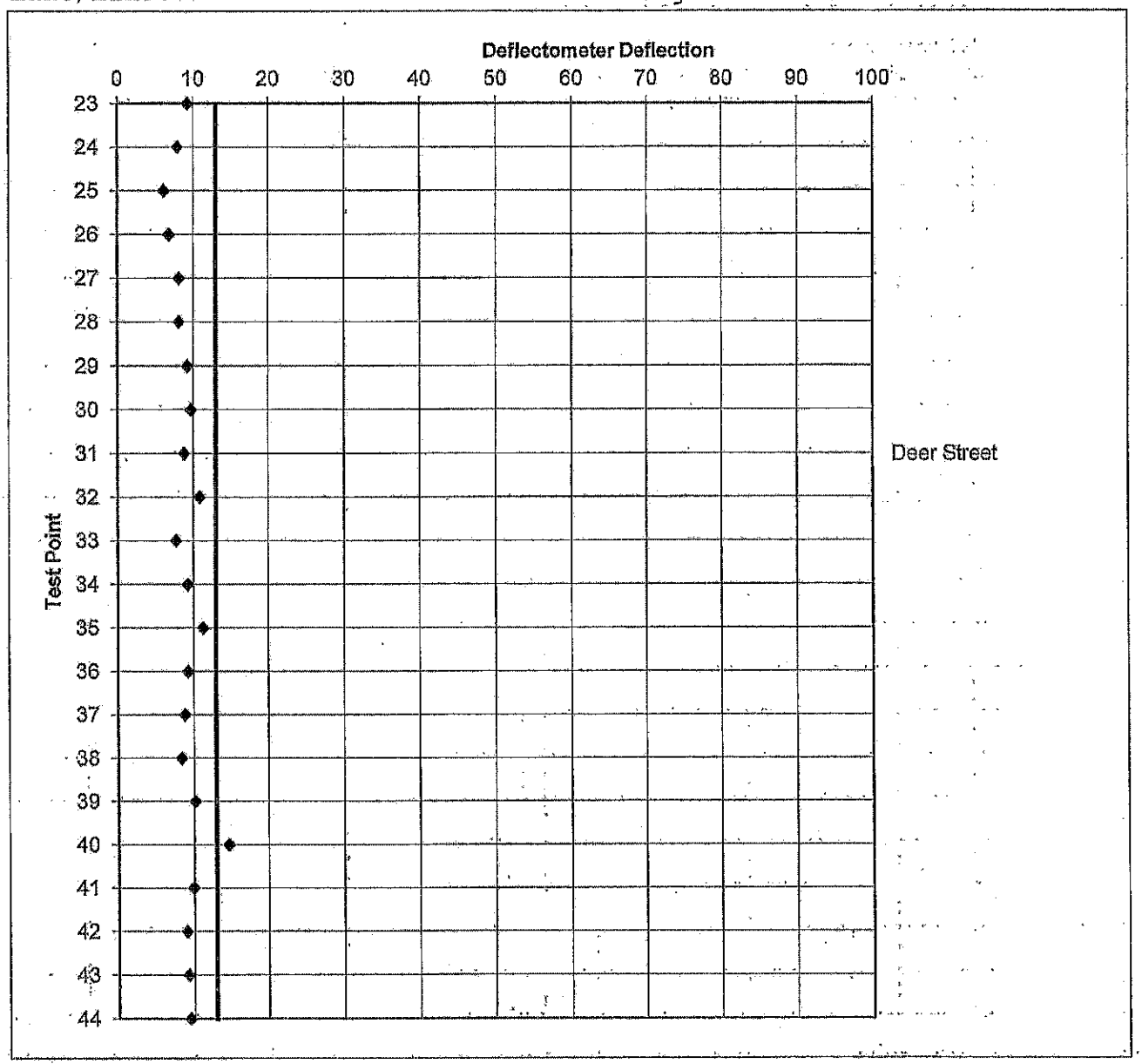


PAVEMENT ENGINEERING INCORPORATED
Redding (530) 224-4535 | Petaluma (707) 769-5330 | San Luis Obispo (805) 781-2265

Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB1

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.50
Project Number: 110226-01



PAVEMENT ENGINEERING INCORPORATED
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Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Chipmunk	Thickness:	0.75
To:	Route 267	Traffic Index:	9.50
Lane/Line:	WB2	Project Number:	110226

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	6.53	9.03	14.02	1.84

Road Surface

Thickness	Traffic Index
0.75	9.50

Structural Design

Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
13.00	0.00	10.58	11.38	0.00

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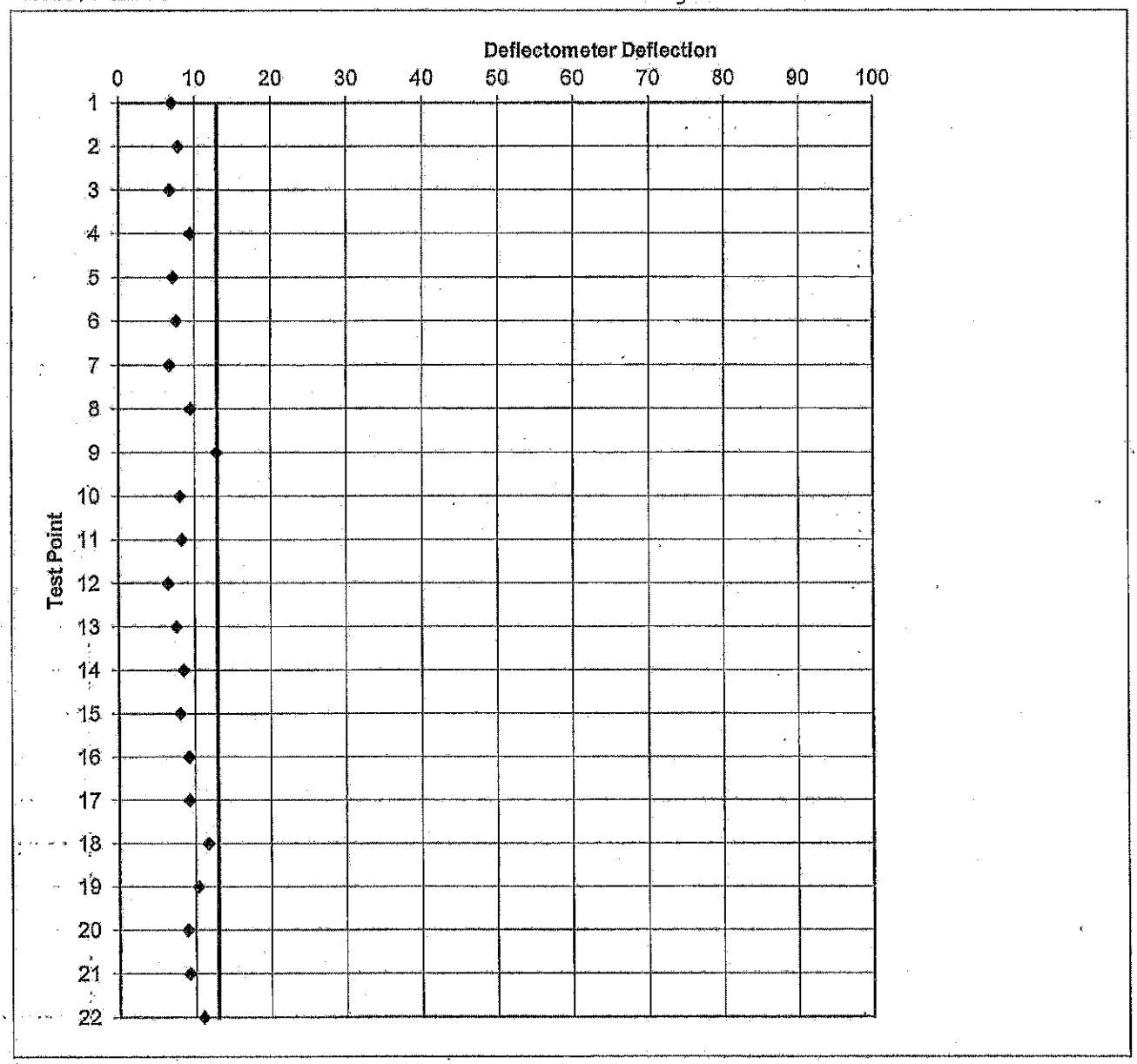
Dokken Engineering

Road: Route 28
From: Chipmunk
To: Route 267
Lane/Line: WB2

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.50
Project Number: 110226



PAVEMENT ENGINEERING INCORPORATED
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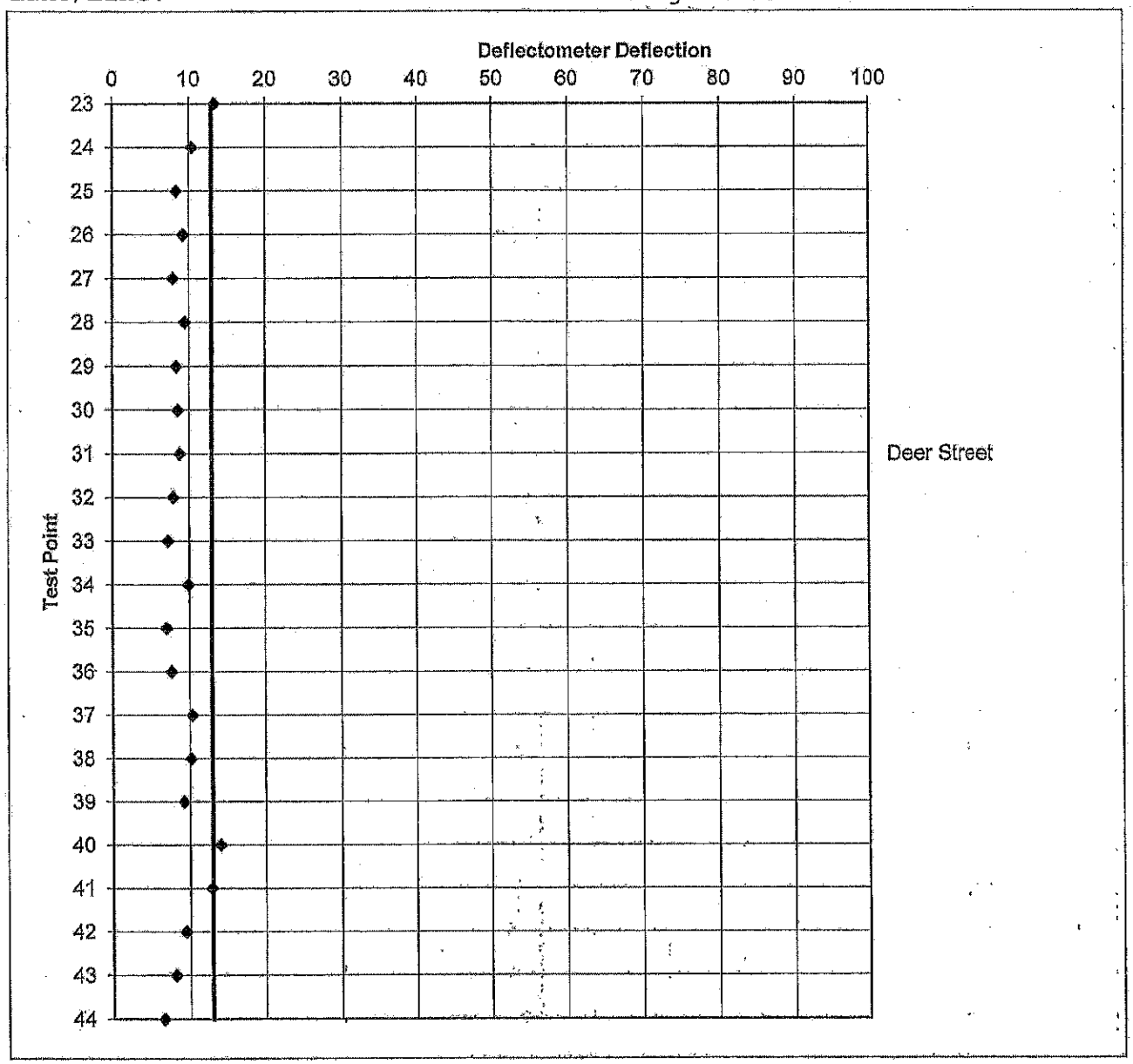
Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Chipmunk	Thickness:	0.75
To:	Route 267	Traffic Index:	9.50
Lane/Line:	WB2	Project Number:	110226



PAVEMENT ENGINEERING INCORPORATED
Redding (530) 224-4535 Petaluma (707) 769-5330 San Luis Obispo (805) 781-2265

Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Route 267	Thickness:	0.75
To:	Chipmunk	Traffic Index:	9.50
Lane/Line:	EB1	Project Number:	110226-01

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	6.08	8.95	14.02	1.76

Road Surface

Thickness	Traffic Index
0.75	9.50

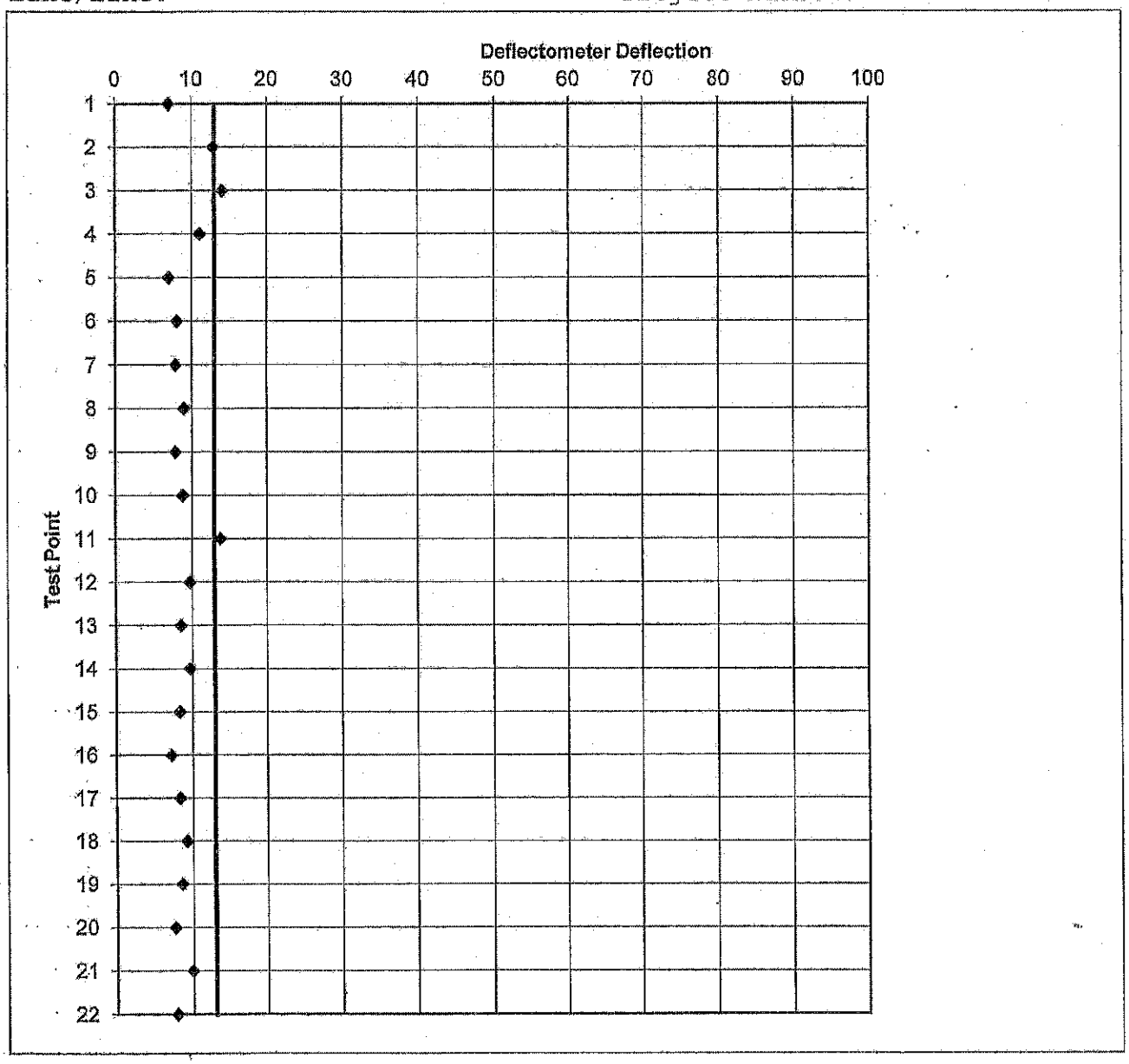
Structural Design

Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
13.00	0.00	10.42	11.19	0.00

Dokken Engineering

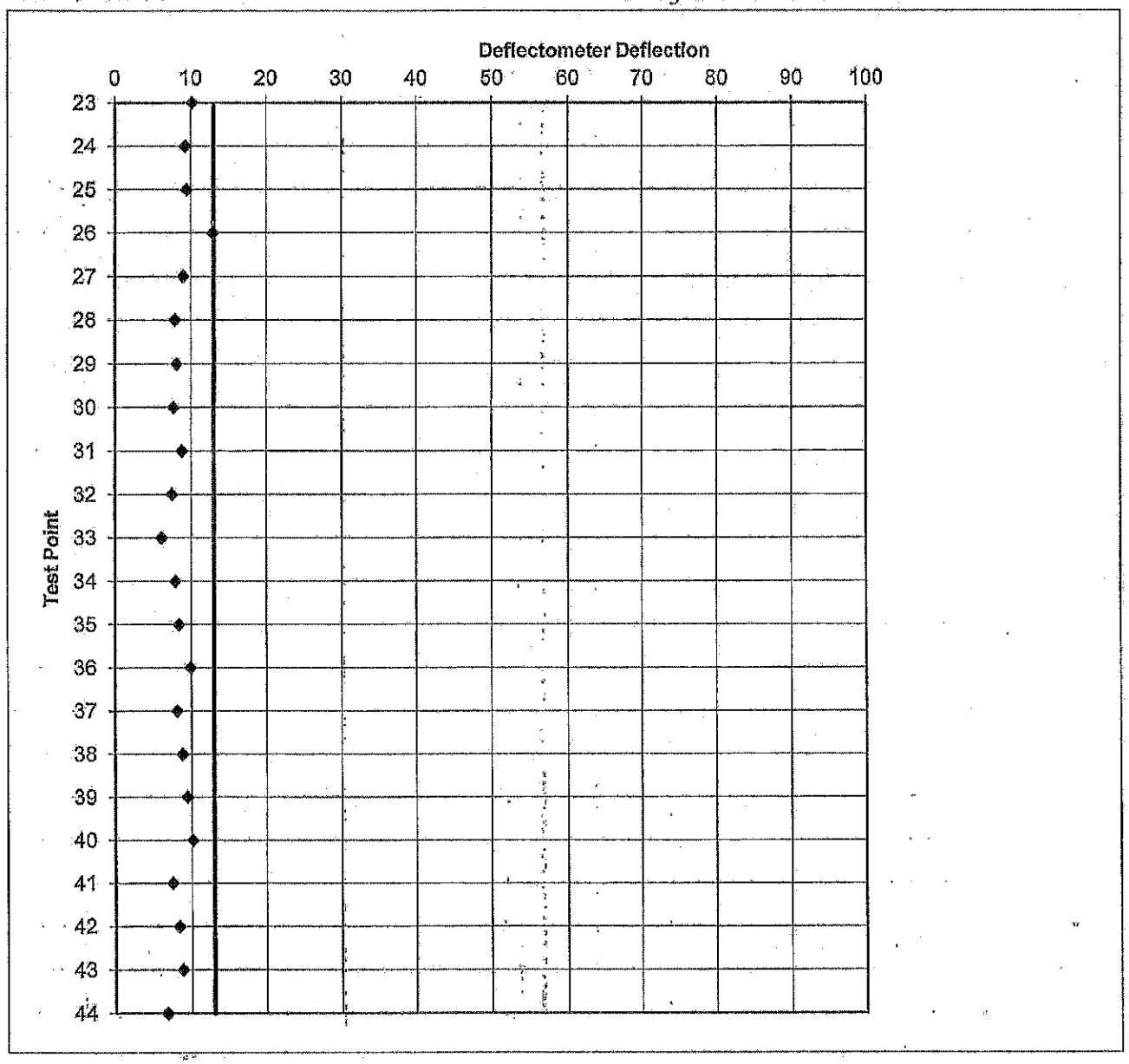
Road: Route 28
From: Route 267
To: Chipmunk
Lane/Line: EB1

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.50
Project Number: 110226-01



Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Route 267	Thickness:	0.75
To:	Chipmunk	Traffic Index:	9.50
Lane/Line:	EB1	Project Number:	110226-01



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Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Route 267	Thickness:	0.75
To:	Chipmunk	Traffic Index:	9.50
Lane/Line:	EB2	Project Number:	110226-01

Deflection Data Analysis

Deflection Readings (Equivalent Deflectometer Units)

No. of Tests	Low	Mean	High	Std. Dev.
44	4.72	7.83	14.70	2.04

Road Surface

Thickness	Traffic Index
0.75	9.50

Structural Design

Tolerable	%Reduction	80th Percentile	90th Percentile	Overlay
13.00	0.00	9.55	10.45	0.00

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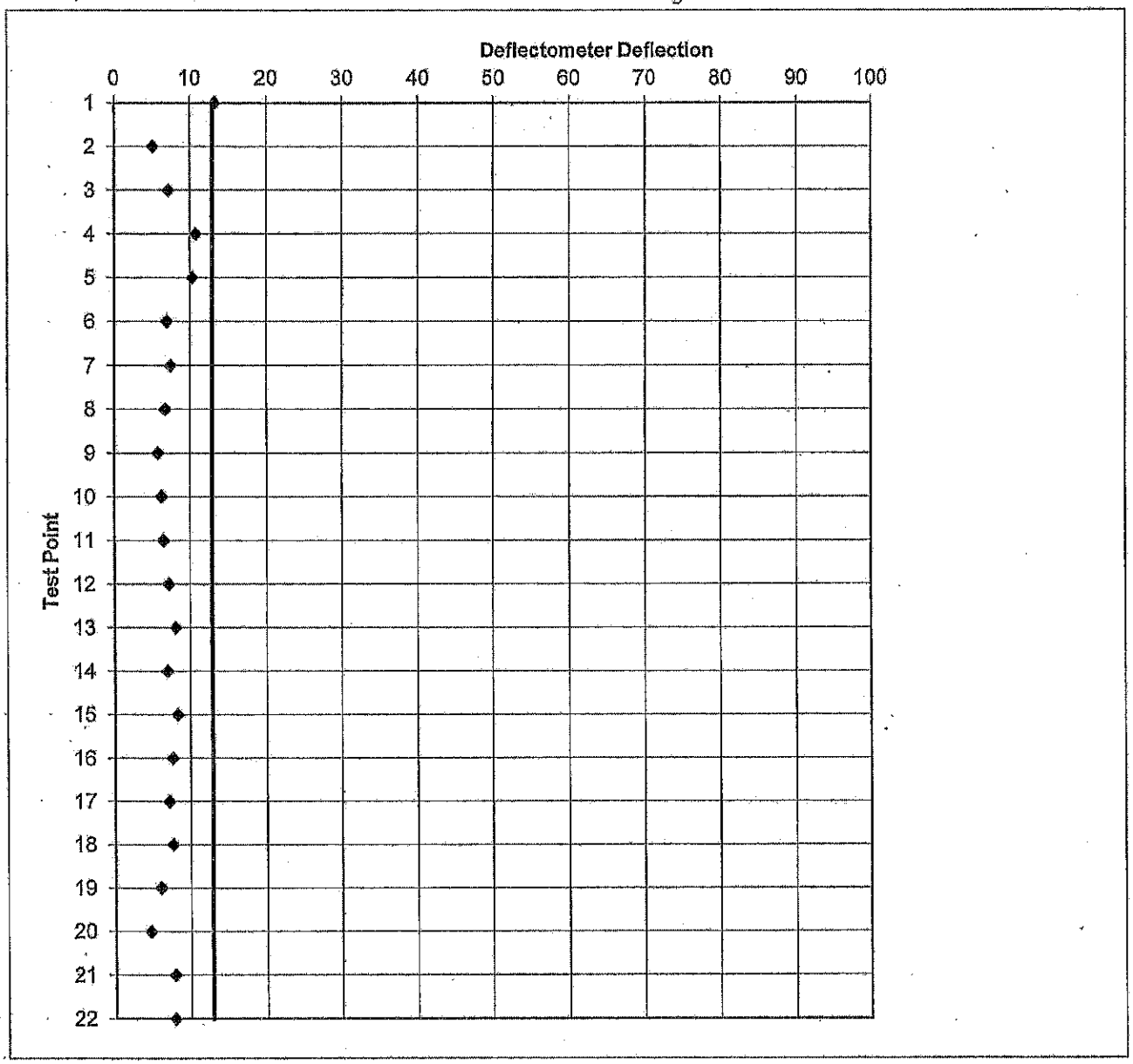
Dokken Engineering

Road: Route 28
From: Route 267
To: Chipmunk
Lane/Line: EB2

Survey Date: 11/03/11
Thickness: 0.75
Traffic Index: 9.50
Project Number: 110226-01



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Dokken Engineering

Road:	Route 28	Survey Date:	11/03/11
From:	Route 267	Thickness:	0.75
To:	Chipmunk	Traffic Index:	9.50
Lane/Line:	EB2	Project Number:	110226-01

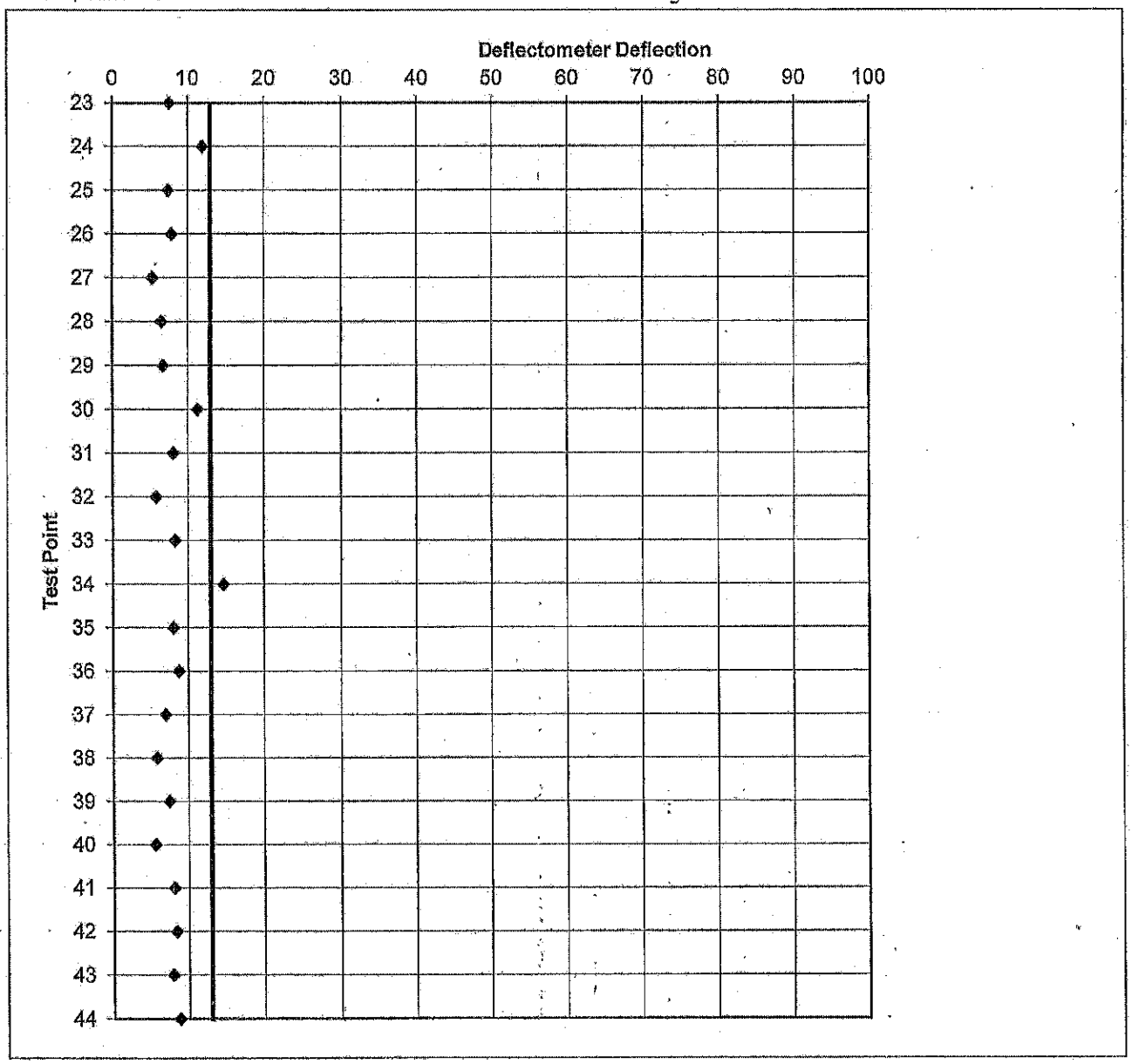

PHOTO NO. 1 - STATE ROUTE 28 WESTBOUND
~500 FEET WEST OF CHIPMUNK

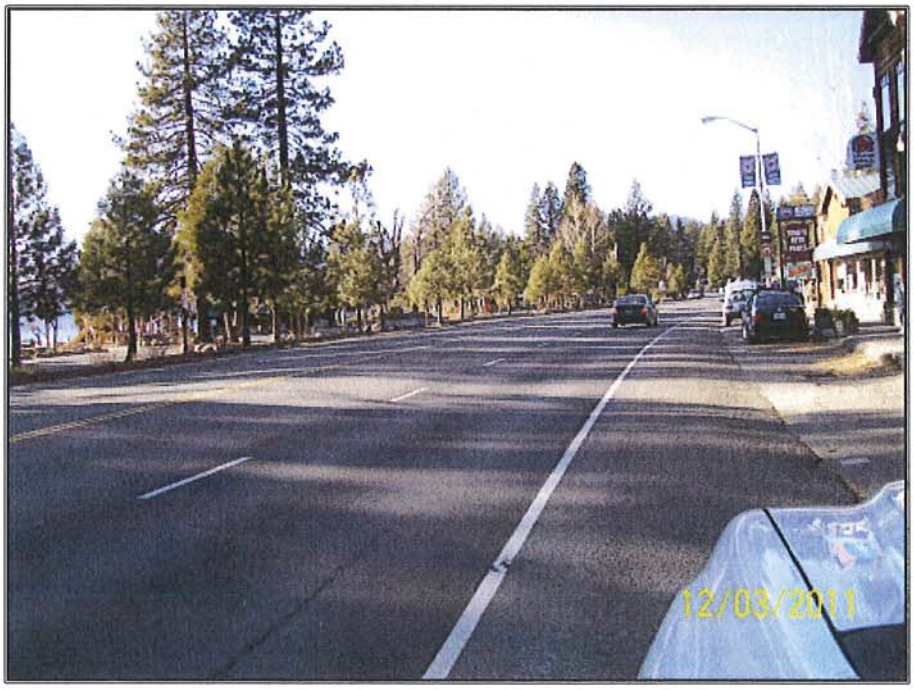

PHOTO NO. 2 - STATE ROUTE 28 WESTBOUND
~1500 FEET WEST OF CHIPMUNK

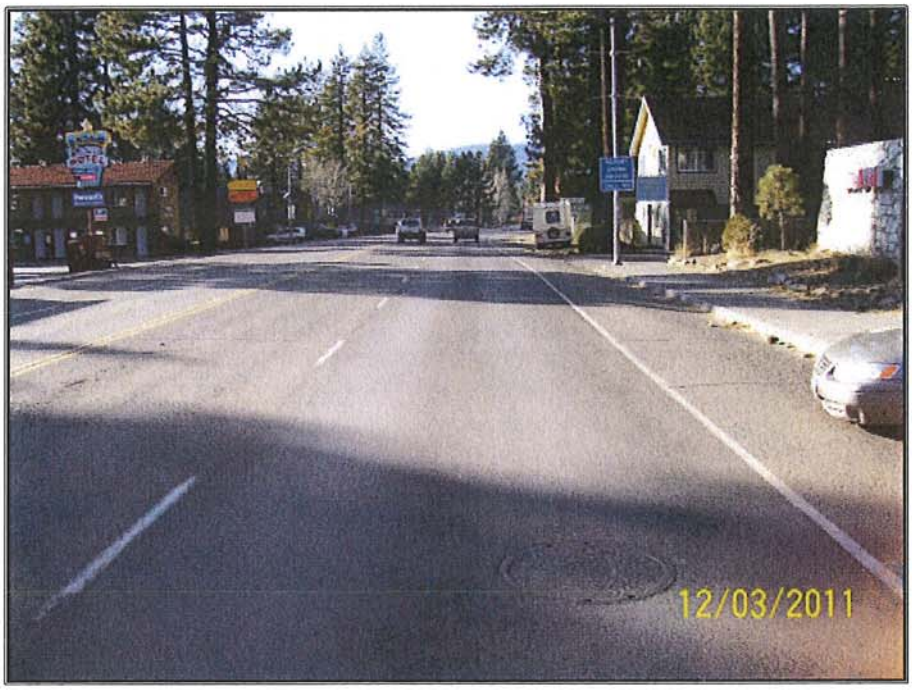

PHOTO NO. 3 - STATE ROUTE 28 WESTBOUND
~2500 FEET WEST OF CHIPMUNK

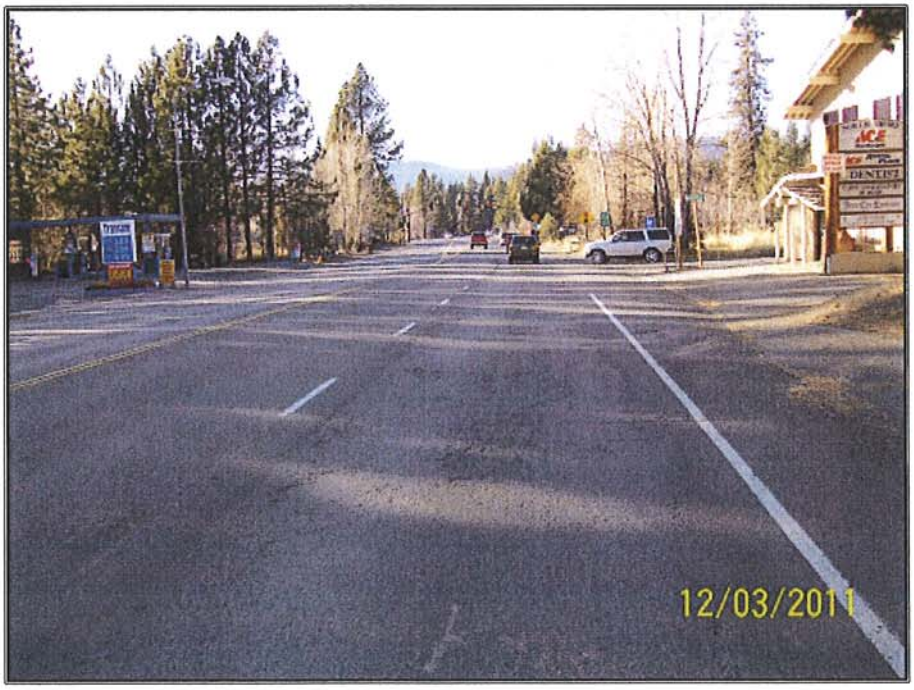

PHOTO NO. 4 - STATE ROUTE 28 WESTBOUND
~3500 FEET WEST OF CHIPMUNK

PHOTO NO. 5 - STATE ROUTE 28 WESTBOUND
~4000 FEET WEST OF CHIPMUNK

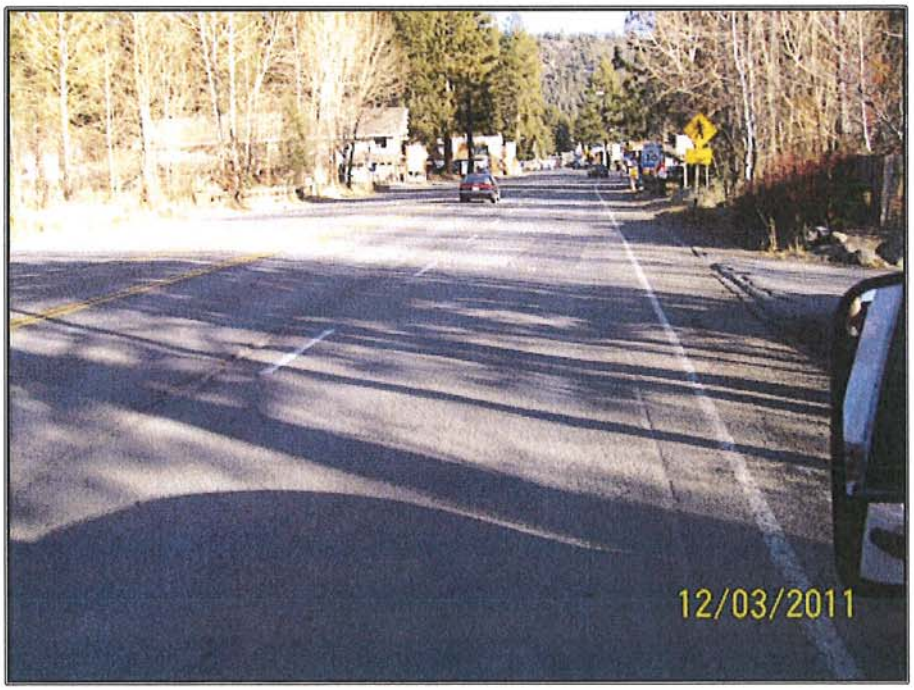

PHOTO NO. 6 - STATE ROUTE 28 EASTBOUND
~ 500 FEET EAST OF SR 267

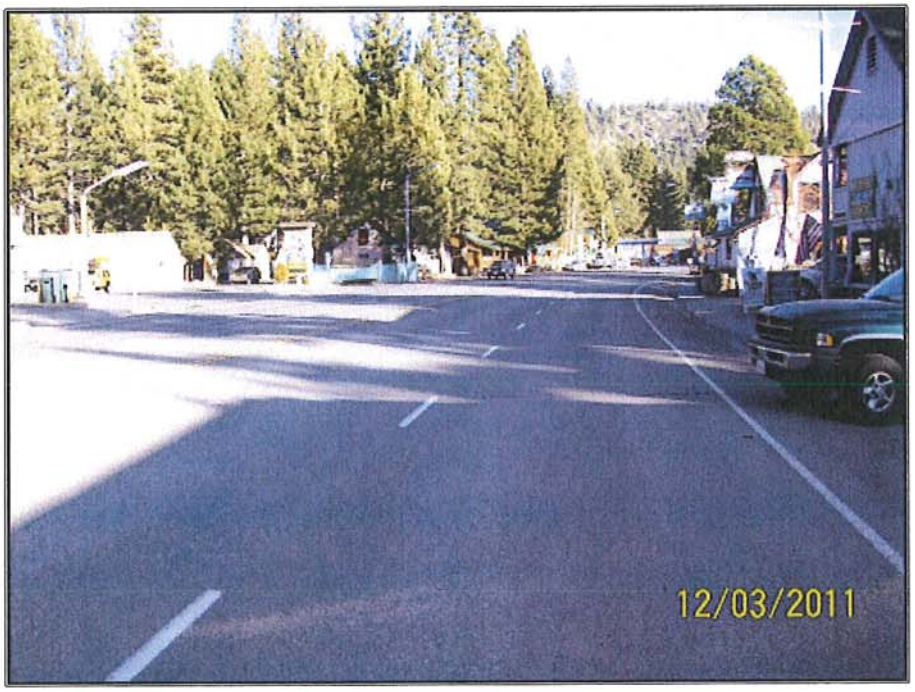

PHOTO NO. 7 - STATE ROUTE 28 EASTBOUND
~ 1500 FEET EAST OF SR 267

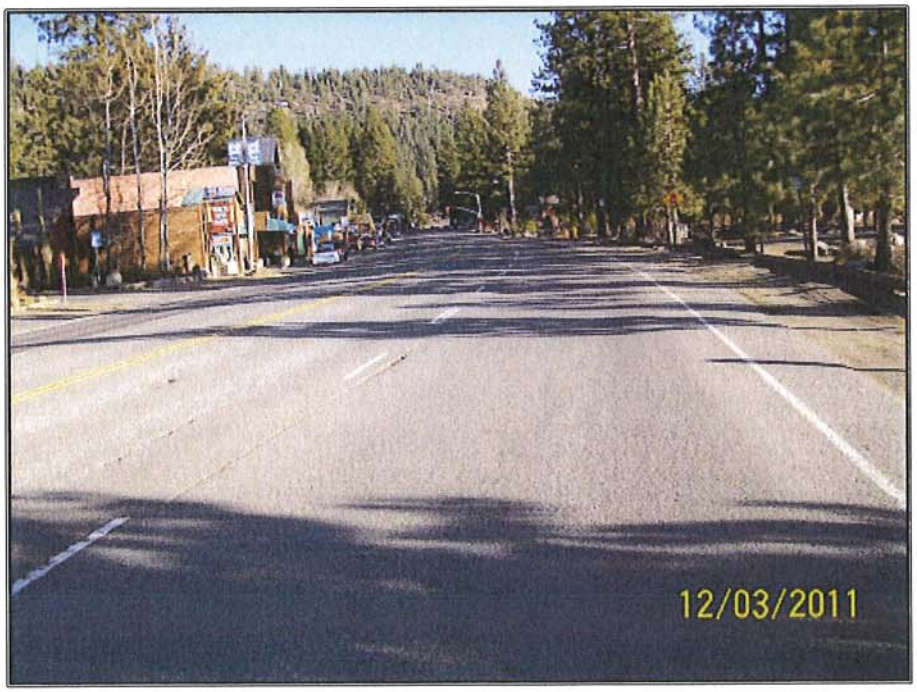

PHOTO NO. 8 - STATE ROUTE 28 EASTBOUND
~ 2500 FEET EAST OF SR 267

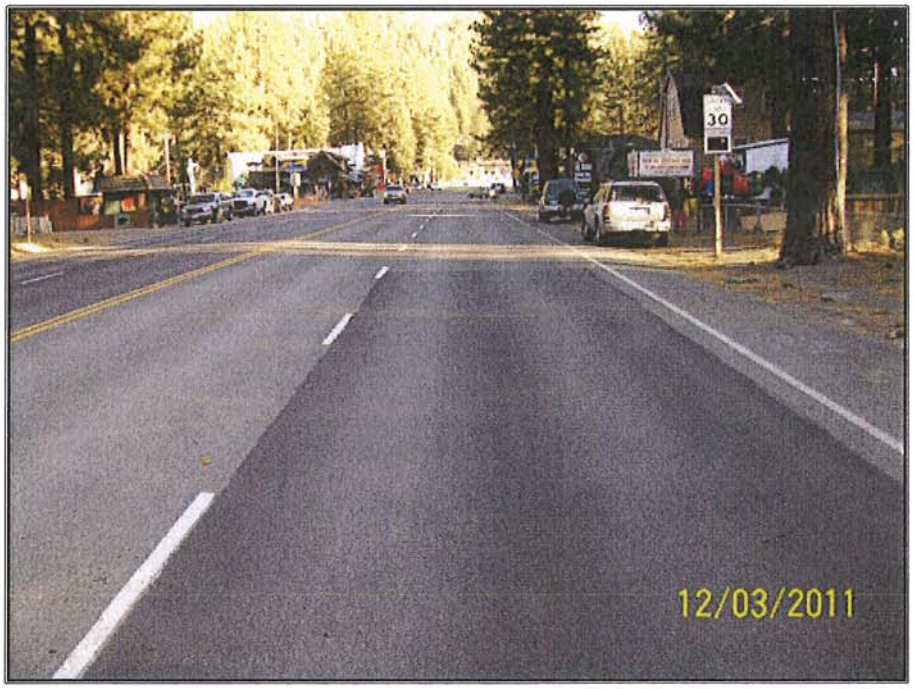

PHOTO NO. 9 - STATE ROUTE 28 EASTBOUND
~ 3500 FEET EAST OF SR 267

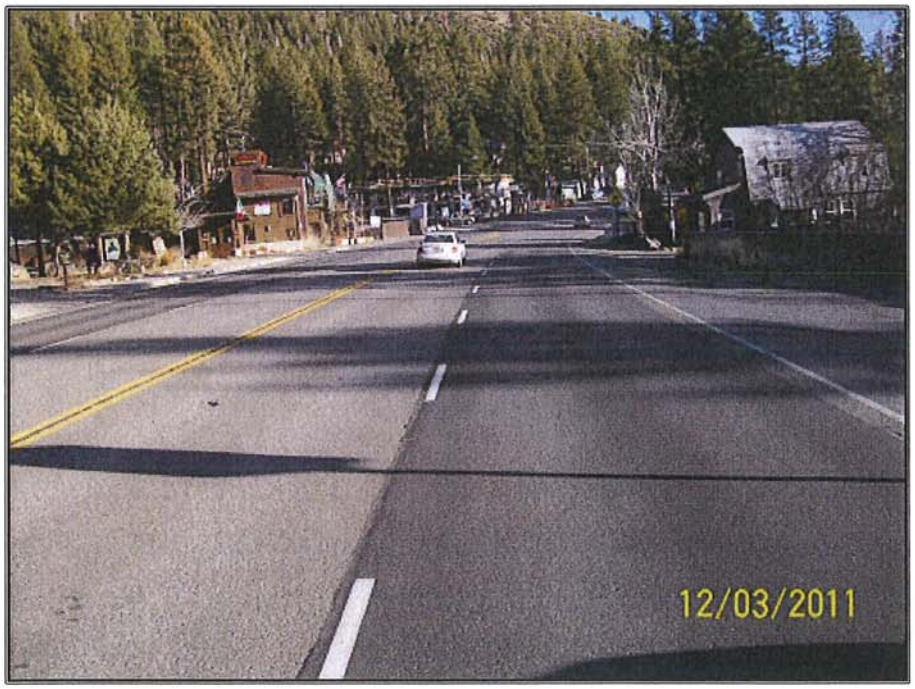

PHOTO NO. 10 - STATE ROUTE 28 EASTBOUND
~ 4000 FEET EAST OF SR 267

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Kings Beach Commercial Core Improvement Project
Kings Beach, California

PREPARED FOR:

PARIKH CONSULTANTS, INC.
2360 QUME DRIVE
SAN JOSE, CALIFORNIA 95131

PREPARED BY:

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742

GEOCON PROJECT NO. S9558-06-01

APRIL 2013

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9558-06-01
April 11, 2013

Mr. Gary Parikh
Parikh Consultants, Inc.
2360 Qume Drive
San Jose, California 95131

Subject: KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT
KINGS BEACH, CALIFORNIA
PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Dear Mr. Parikh:

The enclosed Phase II Environmental Site Assessment (ESA) report presents the results of our assessment of soil and groundwater along approximately 1.1 miles of State Route 28 and adjacent Placer County Rights-of-Way, from SR 267 eastward to Chipmunk Street in Kings Beach, California. The Phase II ESA was performed per your request to assess the presence of contaminants of potential concern in soil and/or groundwater in the project area.

We appreciate the opportunity to provide our services on this project. Please call us if you have any questions regarding this report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

PROFESSIONAL GEOLOGIST
JOHN C. PFEIFFER
No. 2372
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

John C. Pfeiffer, PG, CEG
Senior Geologist

Jim Brake, PG
Associate/Senior Geologist

(1) Addressee

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B. Soil Boring Logs
C. Laboratory Analytical Reports and Chain-of-custody Documentation

PHASE II ENVIRONMENTAL SITE ASSESSMENT

1.0 INTRODUCTION

We have prepared this Phase II Environmental Site Assessment (ESA) Report (report) for work we performed along approximately 1.1 miles of State Route (SR) 28 and adjacent Placer County rights-of-way, from SR 267 eastward to Chipmunk Street (the Site) in Kings Beach, California. Dokken Engineering requested a Phase II ESA of the Site to assess the presence of contaminants of potential concern (COPCs) in soil and/or groundwater in the project area. This report describes the scope of services performed, outlines procedures and methods used to complete the project, and provides our findings, conclusions, and recommendations.

1.1 Site Description and Location

The Site consists of approximately 1.1 miles of SR 28 and adjacent Placer County rights-of-way, from SR 267 eastward to Chipmunk Street in Kings Beach, California (Figure 1). The Site is surrounded primarily by commercial, recreational (park), and residential land uses, with Lake Tahoe located approximately 500 to 1,000 feet south of the Site. An aerial image depicting the site boundaries and features and surrounding development is presented on the Site Plan, Figure 2.

1.2 Purpose and Objectives

The purpose of the Phase II ESA was to assess the potential presence of COPCs including petroleum hydrocarbons, benzene, toluene, ethylbenzene, and xylenes (BTEX) in soil and groundwater at the Site. The objectives of the Phase II ESA were to collect representative soil samples from locations specified by Dokken Engineering, observe and assess soil cores from borings for indications of impacts, and select and analyze soil samples for the COPCs.

2.0 SCOPE OF SERVICES

Our scope of services included the following activities:

2.1 Pre-Field Activities

- Attended a project kick-off meeting and site visit on October 15, 2010, to identify the project boundaries and existing site conditions.
- Reviewed available background environmental data and information for the Site as provided by Dokken Engineering and obtained from the State Water Resources Control Board's (SWRCB's) GeoTracker website (http://geotracker.swrcb.ca.gov/).
- Assisted Dokken Engineering in obtaining a soil boring permit from the Placer County Environmental Health Department (PCEHD) and an encroachment permit from Caltrans for drilling in the SR 28 right-of-way. Copies of the permits are in Appendix A.

- Prepared a health and safety plan to provide guidelines on the use of personal protective equipment and the health and safety procedures to be implemented during the field activities.
- Contacted Underground Service Alert (USA) prior to the start of field activities to delineate subsurface public utilities and conduits in proximity to the proposed exploration locations. Prior to contacting USA, the proposed boring locations were field located and marked with white paint as required by law.
- Retained the services of Flash Safety to provide traffic control during drilling activities at the Site.
- Retained the services of Advanced Technology Laboratories (ATL) and Kiff Analytical, California-certified analytical laboratories, to perform the analyses of soil and groundwater samples.

2.2 Field Activities

The field activities included the collection of soil and groundwater samples using Geocon's direct-push rig as described in Section 4. The approximate sampling locations are depicted on Figures 3A through 3D.

2.3 Document Review

Following completion of field activities, in order to further define soil and groundwater impacts in the project area, we obtained additional site-specific information by reviewing data and documents available from Placer County's Electronic Document Center (http://edocs.placer.ca.gov/docs.aspx), Lahontan Regional Water Quality Control Board files, and further information from the SWRCB's GeoTracker website (http://geotracker.swrcb.ca.gov/). We reviewed documents and/or data pertaining to properties within the project area including:

- 8001 North Lake Blvd. – Former Ken's Tire (Assessor's Parcel Numbers [APN] 117-180-007 and -006)
- 8070 North Lake Blvd. – Beacon Station (APN 117-180-012)
- 8199 North Lake Blvd. – Ann's Cottages (APN 090-071-017)
- 8299 North Lake Blvd. – Dave's Ski Shop/Former Mobil Station (APN 090-071-029)
- 8369 North Lake Blvd. – Kings Beach Shell (APNs 090-075-020 and -017)
- 8697 North Lake Blvd. – KFC/Former Union 76 (APNs 090-134-048 and -030)
- 8700 North Lake Blvd. – Subway/Former ARCO (APNs 090-133-011 and -010)
- 8731 North Lake Blvd. – Lane Trust Property/Former Laundry (APN 090-192-031)
- 8755 North Lake Blvd. – Former Texaco (APN 090-192-025)
- 8784 North Lake Blvd. – Ronning Property (APNs 090-221-013, -014, -020, -021, and -018)
- 8797 North Lake Blvd. – Swiss Mart (APNs 090-192-055 and -041).

3.0 INVESTIGATIVE METHODS

3.1 Soil Borings

We advanced 23 soil borings at the Site to depths of 4 to 16 feet using our direct-push equipment. We obtained soil cores from the direct-push borings in 4-foot-long, 1.75-inch-diameter, cellulose thermoplastic (acetate) sample liners fitted inside steel push rods driven by the direct-push rig. Once the desired depth was reached, we retrieved the push rods and removed the soil-filled liners for soil logging and sample collection. Our field geologist collected soil samples by cutting out 6-inch-long sections from the soil cores at the desired depths. Soil samples were capped, labeled, placed in a chilled cooler and transported to a California-certified analytical laboratory under standard chain-of-custody procedures.

The field geologist logged the soil cores following the Unified Soil Classification System (USCS) under the supervision of a California Professional Geologist. Sample material was also field-screened using a photo-ionization detector (PID) as a qualitative indicator of potential volatile organic compounds (VOCs). Soil sample intervals, soil descriptions, and PID readings are indicated on the boring logs in Appendix B.

3.2 Groundwater Sampling

We collected groundwater grab samples from borings DP13, DP14, DP20, DP28, and DP35. Groundwater grab samples were collected with new disposable bailers lowered through the interior of the direct-push rods. Groundwater was then decanted from the bailer into laboratory-supplied containers, labeled and placed in a chilled cooler for transportation to the laboratory.

3.3 Field Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures were performed during the field sampling activities. These procedures included decontamination of sampling equipment before each boring was advanced and providing chain-of-custody documentation for each sample submitted to the laboratory. Soil sampling equipment was cleansed between each boring by washing the equipment with an Alconox™ solution followed by a double rinse with deionized water. Direct-push equipment was steam cleaned prior to use in each boring location. The borings were backfilled with cement grout per PCEHD requirements.

3.4 Laboratory Analyses

3.4.1 Soil Samples

We submitted 27 soil samples to ATL in Signal Hill, California, for analyses as follows:

- Twenty-seven samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) and motor oil (TPHmo) following EPA Test Method 8015B (modified).
- Thirteen samples were analyzed for TPHd and TPHmo following EPA Test Method 8015B (modified) using silica gel cleanup.
- Thirteen samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) following EPA Test Method 8015B (modified).
- Thirteen soil samples were analyzed for BTEX and fuel oxygenate compounds (FOCs) following EPA Test Method 8260B.

3.4.2 Groundwater Samples

We submitted three groundwater samples to Kiff Analytical in Davis, California, for the following analyses:

- TPHd and TPHmo following EPA Test Method 8015B (modified).
- TPHg following EPA Test Method 8260B.

The groundwater samples collected from borings DP20 and DP28 were not submitted for laboratory analysis based on the absence of field indications of petroleum hydrocarbon impacts in the respective soil borings.

3.5 Laboratory QA/QC

The laboratory performed QA/QC procedures for each method of analysis with specificity for each analyte listed in the QA/QC section of the test method. QA/QC measures included the following:

- Analysis of one method blank for every ten samples, batch of samples or type of matrix, whichever is more frequent.
- Analysis of one sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever is more frequent.
- Analysis of one spiked sample for every ten samples, batch of samples or type of matrix; whichever is more frequent, with the spike made at ten times the detection limit or at the analyte level.

Prior to submitting the samples to the laboratory, we reviewed the chain-of-custody documentation for accuracy and completeness. Copies of the laboratory reports and chain-of-custody documentation are in Appendix C.

4.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

This section describes our observations of soil encountered in the borings and presents the results of laboratory analysis of the soil and groundwater samples.

4.1 Field Observations

All of the borings were drilled through asphalt concrete (asphalt), which was typically 4 inches thick but ranged from 3 to 6 inches. Aggregate base was noted beneath the asphalt in all but five of the borings, with a typical thickness of approximately 12 inches but ranging from 8 to 24 inches thick. We also observed 7 to 13 inches of asphalt grindings directly beneath the asphalt in three of the borings. Underlying the surface pavement and base materials, we encountered generally granular but varied soils throughout the project area, consisting of sands with varying proportions of clay, silt, and gravel. Specific observations were noted at each location on the boring logs (Appendix B).

We encountered petroleum hydrocarbon-type odors and associated elevated PID readings in borings DP13, DP14, and DP35. Borings DP13 and DP14 were located in the SR 28 right-of-way south of the Chevron (former Kings Beach Shell) station at 8369 North Lake Blvd (Figure 3B). Boring DP35 was located approximately 400 feet east-southeast of that property, on the south shoulder of SR 28 (Figure 3B). In borings DP13 and DP14, the petroleum hydrocarbon impacts were encountered in the approximate depth interval of 8 to 11 feet. In DP35, the petroleum hydrocarbon impacts were noted at a depth of 11.5 feet.

4.2 Soil Analytical Results

FOCs, benzene, and toluene were not detected at concentrations equal to or greater than their laboratory reporting limits (RLs) for any of the soil samples. TPHg was detected in 1 of 13 soil samples analyzed (DP-13 11-12') at a concentration of 4.4 milligrams per kilogram (mg/kg) (Table 1). Ethylbenzene was detected in 2 of 13 soil samples analyzed (DP-13 11-12' and DP-14 11-12') at concentrations of 90and 15 mg/kg, respectively. Xylenes were detected in the same two soil samples at concentrations of 412 and 22 mg/kg, respectively.

TPHd was initially detected in 10 of 27 soil samples at concentrations ranging from 1.0 to 580 mg/kg. After the laboratory performed silica gel cleanup on the samples, re-analysis detected TPHd in 5 of 27 soil samples at concentrations ranging from 1.3 to 94 mg/kg (Table 1).

TPHmo was initially detected in 12 of 27 soil samples at concentrations ranging from 1.4 to 1,400 mg/kg. After the laboratory performed silica gel cleanup on the samples, re-analysis detected TPHmo in 7 of 27 soil samples at concentrations ranging from 1.3 to 270 mg/kg (Table 1).

4.3 Groundwater Analytical Results

TPHg, TPHd, and TPHmo were detected in the three groundwater samples analyzed. TPHg was detected at concentrations of 8,400 micrograms per liter (µg/l) in sample DP-13, 13,000 µg/l in sample DP-14, and 6,300 µg/l in sample DP-35. TPHd was detected at concentrations of 2,500 µg/l in sample DP-13, 3, 800 µg/l in sample DP-14, and 5,500 µg/l in sample DP-35. TPHmo was detected at concentrations of 290 µg/l in sample DP-13, 1,500 µg/l in sample DP-14, and 2,600 µg/l in sample DP-35 (Table 2).

4.4 Laboratory QA/QC

We reviewed the analytical laboratory QA/QC data provided with the laboratory report. For the TPHd and TPHmo analyses, matrix spike and/or matrix spike duplicates were outside recovery criteria for two samples, and relative percent difference for duplicates, matrix spikes and/or matrix spike duplicates were outside criteria for several samples. However, the analytical batches were validated by the laboratory control samples. The laboratory noted for one batch that, "Additional analysis was requested for DRO/ORO beyond hold time. Results are flagged with an "H" qualifier." These results may be biased low. Based on the laboratory QA/QC data, no additional qualification of the data presented herein is necessary, and the data are of sufficient quality for the purposes of this report.

4.5 Document Review

Results from our document review indicate that existing impacts to soil/groundwater at the properties discussed below likely extend from the property into the project area and may be encountered during construction activities depending on depth(s) of excavation.

8001 North Lake Blvd. – Former Ken's Tire

This property is located on the north side of SR 28 adjacent to the east side of SR 267 (Figure 3A). Groundwater samples obtained from a monitoring well at the south (downgradient) edge of this property had TPHg concentrations varying from 6,000 to 16,000 µg/l from 1989 through 1995 followed by non-detect results from late 1996 through mid-1997. Petroleum hydrocarbons were not detected in associated groundwater samples obtained from the south side of SR 28. The property was subsequently granted No Further Action status in October 1997 and the wells were abandoned. Groundwater was generally reported at depths of approximately 3 to 6 feet and residual petroleum hydrocarbons may still be evident within that zone beneath and south of the property (Figure 3A).

8070 North Lake Blvd. – Beacon Station

This property is located on the south side of SR 28 adjacent to the west side of Secline Street (Figure 3A). Petroleum hydrocarbon impacts associated with this facility (soil and groundwater) were reported to extend primarily to the south but minor residual petroleum hydrocarbon impacts may be encountered immediately adjacent to the north and east sides of the property beneath SR 28 and Secline Street, respectively, at depths of 8 feet or more.

8369 North Lake Blvd. – Kings Beach Shell

This property, formerly Kings Beach Shell but now a Chevron station, is located on the north side of SR 28 approximately 120 feet west of Bear Street (Figure 3B). A plume of gasoline-impacted groundwater extends south from this property to the south side of SR 28. Depth to groundwater in the area is approximately 7 to 10 feet, and petroleum hydrocarbon-impacts to soil are evident below approximately 7 feet in the vicinity.

8700 North Lake Blvd. – Subway/Former ARCO

This property is located on the south side of SR 28 at the Fox Street intersection (Figure 3C).USTs were reportedly closed in place on this property under Placer County oversight, with no soil or groundwater remediation required. Based on observations and analytical results from soil borings along the north edge of the property, residual petroleum hydrocarbons are present in soils shallower than approximately 7 feet in that area.

8731 North Lake Blvd. – Lane Trust Property/Former Laundry

This property is located on the north side of SR 28 approximately 300 feet east of Fox Street (Figure 3D). Groundwater beneath this property is impacted by tetrachloroethene (PCE) and is currently undergoing active remediation via air sparging and soil vapor extraction. The property is interpreted to be the source area (due to previous dry cleaning operations), but the plume of PCE-impacted groundwater extends to the south, and PCE has been detected in groundwater samples from a monitoring well on the south side of SR 28 (Figure 3D). Recent groundwater monitoring results for this property indicate that PCE concentrations in groundwater beneath SR 28 are on the order of 5 to 10 µg/l. The depth to groundwater in the vicinity fluctuates seasonally between approximately 5 and 15 feet.

8784 North Lake Blvd. – Ronning Property and 8797 North Lake Blvd. – Swiss Mart Property

8784 and 8797 North Lake Blvd. are located on the south and north sides of SR 28, respectively, just west of Chipmunk Street (Figure 3D). A plume of petroleum hydrocarbon-impacted groundwater underlies both of these former service station properties with groundwater TPHg concentrations ranging to over 20,000 µg/l. Depth to groundwater in the vicinity is commonly in the range of 8 to 16 feet.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Surface pavement (asphalt) was typically approximately 4 inches thick but ranged from 3 to 6 inches through the project area. Aggregate base beneath the asphalt was typically approximately 12 inches thick, but ranged from 0 to 24 inches thick. Asphalt grindings were also part of the pavement section (up to 13 inches) in some borings. Soils throughout the project area were generally granular, consisting of sands with varying proportions of clay, silt, and gravel.

We encountered groundwater at depths of 7.5 to 13.5 feet in our borings advanced during November 2010. During subsurface exploration in the project area by others in September 2006, groundwater was encountered in only 1 of 14 borings that were advanced to a depth of 10 feet.

Based on the results of this investigation coupled with information from prior investigations by others, we have identified seven locations in the project area where petroleum hydrocarbon-impacted soil and/or groundwater should be anticipated during earthwork activities, depending on the depth of excavation. These seven areas and anticipated depths of contamination are depicted on the Petroleum Impact Areas maps, Figure 3A-3D. During earthwork activities in these areas, excavated soils (and extracted groundwater, as applicable) should be monitored for field indications of petroleum hydrocarbon impacts (e.g., staining, odor) and segregated from other materials for characterization and offsite disposal at an appropriate facility, if warranted

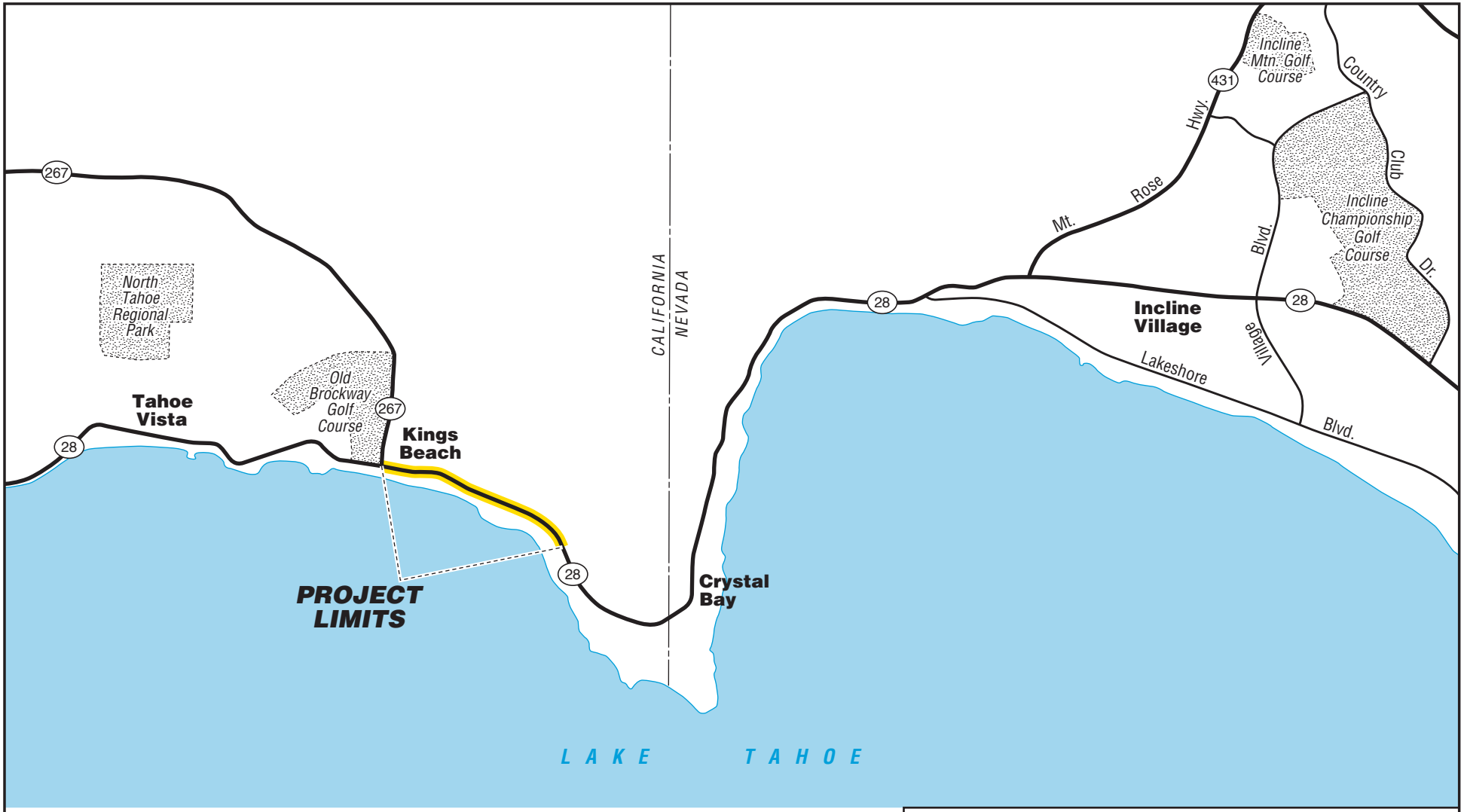
Petroleum-impacted groundwater identified east of Bear Street in DP35 is not specifically associated with a known source area. However, it appears likely that it is associated with the plume of gasoline-impacted groundwater at the topographically higher 8369 North Lake Blvd. property (Chevron/former Shell station) and migrated eastward via a subsurface utility corridor along the south side of SR 28. Borings in the north side of SR 28 to the east and northwest of DP35 (DP16 and DP10, respectively) did not have evidence of petroleum hydrocarbon impacts to soil or groundwater.

Outside of the identified petroleum hydrocarbon impact areas, we did not encounter field indications of petroleum hydrocarbon impacts and analytical results indicated only sporadic low-level hydrocarbon detections at levels below the residential environmental screening levels (ESLs) promulgated by the San Francisco Bay Regional Water Quality Control Board. It is our opinion that such materials are suitable for reuse beneath the roadway in the project area and would not present a risk to human health or the environment.

6.0 REPORT LIMITATIONS

This report has been prepared exclusively for Parikh Consultants. The information obtained is only relevant as of the date of this report. The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The findings presented in this report are predicated on the results of the limited sampling and laboratory analyses described herein.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee of the results of the study is implied within the intent of this report. The services performed were conducted in accordance with the local standard of care in the geographic region at the time the services were rendered.



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CONSULTANTS, INC.
3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Kings Beach Commercial Core

Kings Beach, California

VICINITY MAP

S9558-06-01	April 2013	Figure 1

Aerial Photo: Google Earth, 6/15/11

LEGEND:

Approximate Project Boundary

0 1000

Scale in Feet

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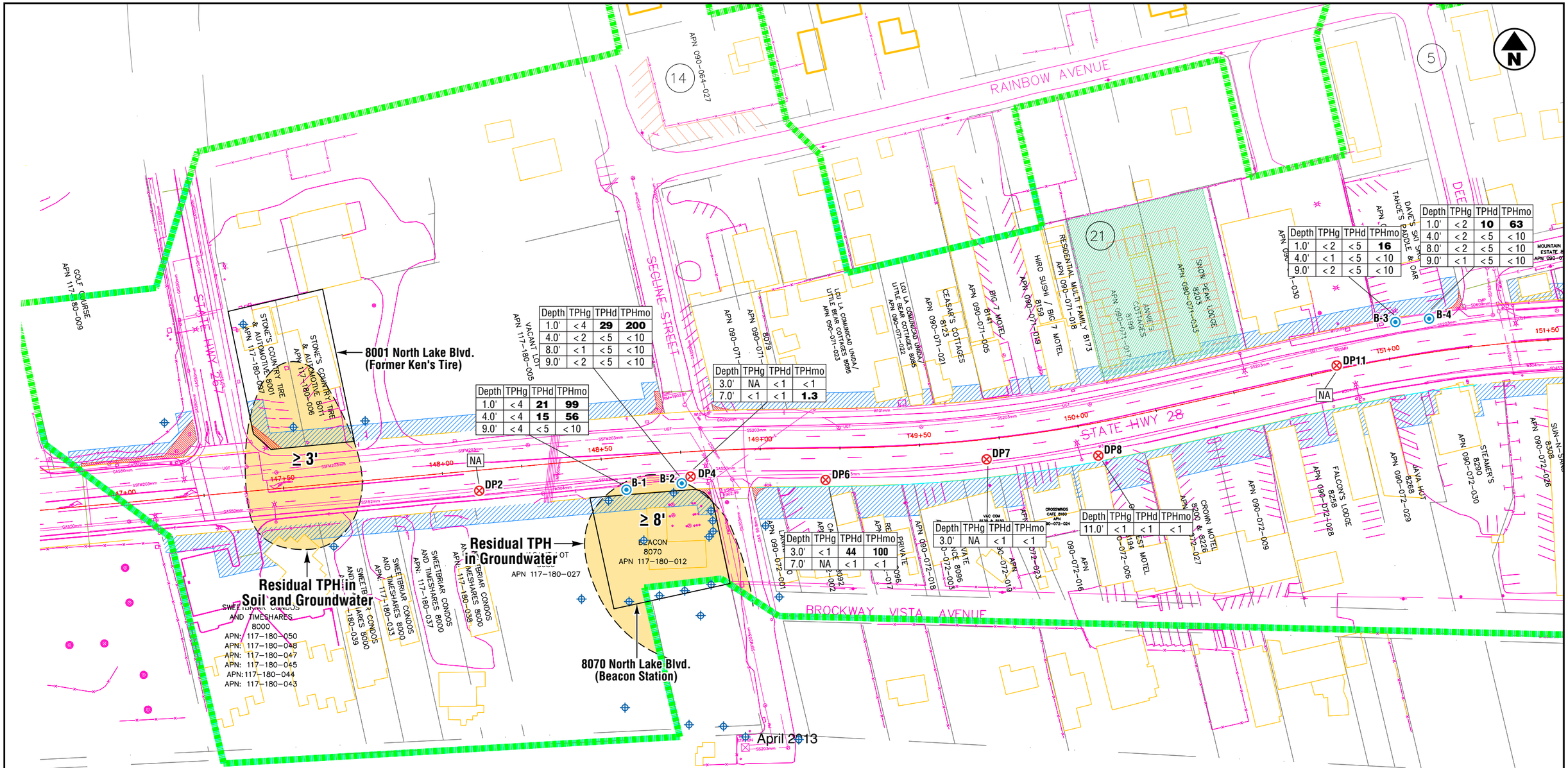
Kings Beach, California

SITE PLAN

S9558-06-01	April 2013	Figure 2



Depth	TPHg	TPHd	TPHmo
1.0'	< 4	**29**	**200**
4.0'	< 2	< 5	< 10
8.0'	< 1	< 5	< 10
9.0'	< 2	< 5	< 10

Depth	TPHg	TPHd	TPHmo
1.0'	< 4	**21**	**99**
4.0'	< 4	**15**	**56**
9.0'	< 4	< 5	< 10

Depth	TPHg	TPHd	TPHmo
3.0'	NA	< 1	< 1
7.0'	< 1	< 1	**1.3**

Depth	TPHg	TPHd	TPHmo
3.0'	< 1	**44**	**100**
7.0'	NA	< 1	< 1

Depth	TPHg	TPHd	TPHmo
3.0'	NA	< 1	< 1

Depth	TPHg	TPHd	TPHmo
11.0'	< 1	< 1	< 1

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	< 5	**16**
4.0'	< 1	< 5	< 10
9.0'	< 2	< 5	< 10

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	**10**	**63**
4.0'	< 2	< 5	< 10
8.0'	< 2	< 5	< 10
9.0'	< 1	< 5	< 10

LEGEND:

- B-1 Approximate Soil Boring Location (Kleinfelder, Sept. 2006)
- DP2 Approximate Direct-Push Boring Location (Geocon, Nov. 2010)
- Approximate Abandoned Monitoring Well Location
- ≥ 8' Approximate Location and Depth of Petroleum Impacted Soil/Groundwater

Depth	TPHg	TPHd	TPHmo
1.0'	< 4	**21**	**99**

Analytical Results for Soil

- Temporary Construction Easement
- Permanent Right-of-Way Take
- Right-of-Way Line / Parcel Boundary

TPHg = Total Petroleum Hydrocarbons as Gasoline (mg/kg)
TPHd = Total Petroleum Hydrocarbons as Diesel (mg/kg)
TPHmo = Total Petroleum Hydrocarbons as Motor Oil (mg/kg)
NA = Not Analyzed
Analytical results for soil samples given in milligrams per kilogram (mg/kg)

0 100
Scale in Feet

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Kings Beach Commercial Core

Kings Beach, California

PETROLEUM IMPACT AREAS

S9558-06-01	April 2013	Figure 3A

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	< 5	**16**
4.0'	< 1	< 5	< 10
9.0'	< 2	< 5	< 10

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	**10**	**63**
4.0'	< 2	< 5	< 10
8.0'	< 2	< 5	< 10
9.0'	< 1	< 5	< 10

Depth	TPHg	TPHd	TPHmo
3.0'	< 1	< 1	< 1
7.0'	NA	< 1	< 1
11.0'	**4.4**	< 1	< 1

Depth	TPHg	TPHd	TPHmo
1.0'	< 1	< 5	< 10
5.0'	< 1	< 5	< 10
9.0'	< 1	< 5	< 10

Depth	TPHg	TPHd	TPHmo
2.0'	< 1	< 5	< 10
5.0'	< 1	< 5	< 10
8.0'	**340**	< 5	< 10

Depth	TPHg	TPHd	TPHmo
7.0'	NA	< 1	< 1

Depth	TPHg	TPHd	TPHmo
3.0'	NA	**2.2**	**5.1**
7.0'	NA	< 1	< 1

Depth	TPHg	TPHd	TPHmo
3.0'	NA	< 1	< 1

Depth	TPHg	TPHd	TPHmo
3.0'	NA	< 1	< 1
7.0'	< 1	< 1	< 1
11.0'	< 1	< 1	< 1

Depth	TPHg	TPHd	TPHmo
3.0'	< 1	**94**	**270**
7.0'	NA	< 1	< 1
11.0'	< 1	< 1	< 1

8369 North Lake Blvd.
(King's Beach Shell)

TPH-Impacted Groundwater

≥ 7'

≥11'

NA

LEGEND:

B-1 Approximate Soil Boring Location (Kleinfelder, Sept. 2006)

DP2 Approximate Direct-Push Boring Location (Geocon, Nov. 2010)

Approximate Monitoring Well Location

≥ 8' Approximate Location and Depth of Petroleum Impacted Soil/Groundwater

Depth	TPHg	TPHd	TPHmo
1.0'	< 4	**21**	**99**

Analytical Results for Soil

Temporary Construction Easement

Permanent Right-of-Way Take

Right-of-Way Line / Parcel Boundary

TPHg = Total Petroleum Hydrocarbons as Gasoline (mg/kg)
TPHd = Total Petroleum Hydrocarbons as Diesel (mg/kg)
TPHmo = Total Petroleum Hydrocarbons as Motor Oil (mg/kg)
NA = Not Analyzed
Analytical results for soil samples given in milligrams per kilogram (mg/kg)

0 100
Scale in Feet

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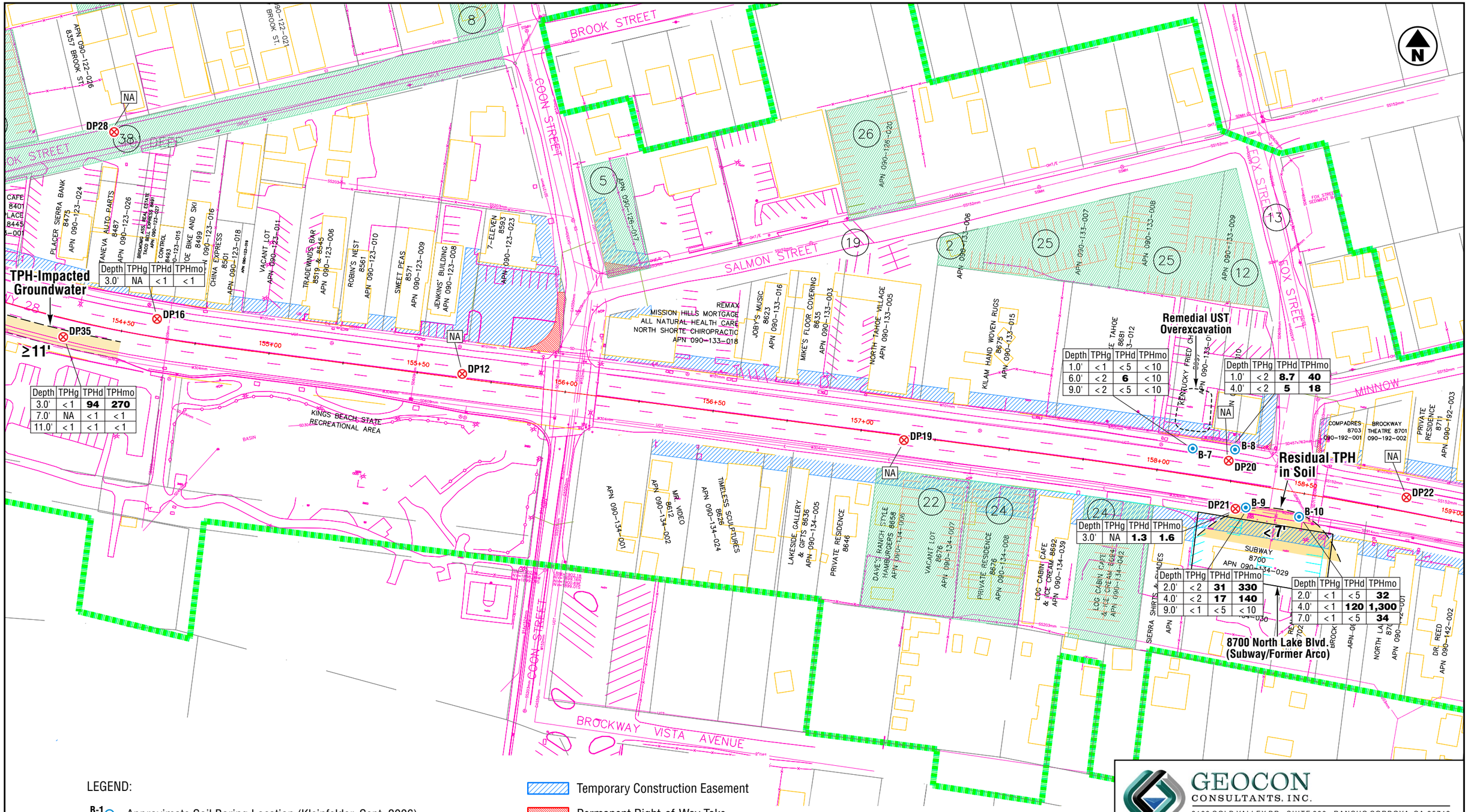
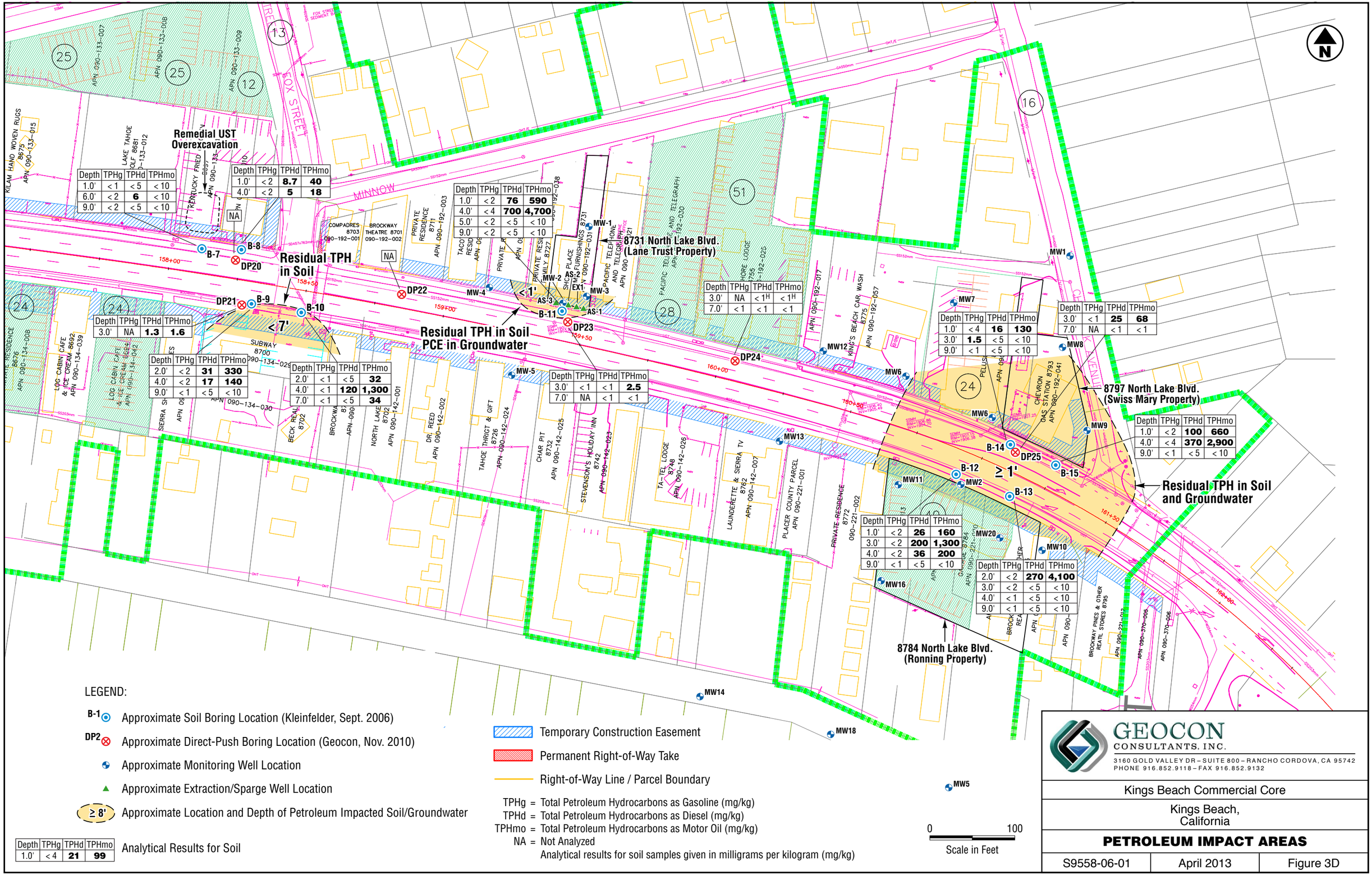
Kings Beach Commercial Core

Kings Beach, California

PETROLEUM IMPACT AREAS

S9558-06-01 | April 2013 | Figure 3B


BROOK STREET
COON STREET
SALMON STREET
FOX STREET
MINNOW
BROCKWAY VISTA AVENUE
KINGS BEACH STATE RECREATIONAL AREA
TPH-Impacted Groundwater
≥11'
DP28
DP16
DP35
DP12
DP19
DP20
DP21
DP22
B-7
B-8
B-9
B-10
NA
Remedial UST Overexcavation
Residual TPH in Soil
< 7'
8700 North Lake Blvd. (Subway/Former Arco)
CAFE 8401
PLACER SIERRA BANK 8475 APN 090-123-024
TANEVA AUTO PARTS 8487 APN 090-123-026
BROWNE ASS. REAL ESTATE 8491 EXPRESS 8497 APN 090-123-027
CONTROL 8493 APN 090-123-015
JOE BIKE AND SKI 8499 APN 090-123-016
CHINA EXPRESS 8501 APN 090-123-018
VACANT LOT APN 090-123-011
TRADEWINDS BAR 8519 & 8545 APN 090-123-006
ROBIN'S NEST 8561 APN 090-123-010
SWEET PEAS 8571 APN 090-123-009
JENKINS' BUILDING APN 090-123-008
7-ELEVEN 8593 APN 090-123-023
APN 090-122-026 8357 BROOK ST
APN 090-122-021 BROOK ST.
APN 090-126-020
APN 090-126-007
MISSION HILLS MORTGAGE
ALL NATURAL HEALTH CARE
NORTH SHORTE CHIROPRACTIC
APN 090-133-018
JOBY'S MUSIC 8623 APN 090-133-016
MIKE'S FLOOR COVERING 8635 APN 090-133-003
NORTH TAHOE VILLAGE APN 090-133-005
APN 090-133-006
APN 090-133-007
APN 090-133-008
APN 090-133-009
KILAM HAND WOVEN RUGS 8675 APN 090-133-015
KENTUCKY FRIED CHICKEN APN 090-133-0
APN 090-133-012
COMPADRES 8703 090-192-001
BROCKWAY THEATRE 8701 090-192-002
PRIVATE RESIDENCE 8711 APN 090-192-003
APN 090-142-001
APN 090-142-002
APN 090-134-001
MR. VIDEO 8612 APN 090-134-002
TIMELESS SCULPTURES 8626 APN 090-134-024
LAKESIDE GALLERY & GIFTS 8636 APN 090-134-005
PRIVATE RESIDENCE 8646
DAVES RANCH STYLE HAMBURGERS 8658 APN 090-134-006
VACANT LOT 8676 APN 090-134-007
PRIVATE RESIDENCE 8676 APN 090-134-008
LOG CABIN CAFE & ICE CREAM 8692 APN 090-134-039
LOG CABIN CAFE & ICE CREAM 8684 APN 090-134-042
SUBWAY 8700 APN 090-134-029
APN 090-134-030
SIERRA SHIRTS & SHADES APN
BROCK
APN 090-
NORTH LA 87
APN 090-
DR REED
APN 090-142-002
FOX STREET SEDIMENT BASIN
SSMH
OH1/E
GAS50mm
SS152mm
SS203mm
SD457x762mm
W304mm
W101mm
UST
SD
SD406mm
SD304mm
SD533mm
SD450mm
SD381mm
SD610mm
SD533mm
SD305mm
SD457mm
SD381mm
SD533mm
SD305mm
SD457x762



Depth	TPHg	TPHd	TPHmo
1.0'	< 1	< 5	< 10
6.0'	< 2	**6**	< 10
9.0'	< 2	< 5	< 10

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	**8.7**	**40**
4.0'	< 2	**5**	**18**

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	**76**	**590**
4.0'	< 4	**700**	**4,700**
5.0'	< 2	< 5	< 10
9.0'	< 2	< 5	< 10

Depth	TPHg	TPHd	TPHmo
3.0'	NA	< 1H	< 1H
7.0'	< 1	< 1	< 1

Depth	TPHg	TPHd	TPHmo
3.0'	NA	**1.3**	**1.6**

Depth	TPHg	TPHd	TPHmo
2.0'	< 2	**31**	**330**
4.0'	< 2	**17**	**140**
9.0'	< 1	< 5	< 10

Depth	TPHg	TPHd	TPHmo
2.0'	< 1	< 5	**32**
4.0'	< 1	**120**	**1,300**
7.0'	< 1	< 5	**34**

Depth	TPHg	TPHd	TPHmo
3.0'	< 1	< 1	**2.5**
7.0'	NA	< 1	< 1

Depth	TPHg	TPHd	TPHmo
1.0'	< 4	**16**	**130**
3.0'	**1.5**	< 5	< 10
9.0'	< 1	< 5	< 10

Depth	TPHg	TPHd	TPHmo
3.0'	< 1	**25**	**68**
7.0'	NA	< 1	< 1

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	**100**	**660**
4.0'	< 4	**370**	**2,900**
9.0'	< 1	< 5	< 10

Depth	TPHg	TPHd	TPHmo
1.0'	< 2	**26**	**160**
3.0'	< 2	**200**	**1,300**
4.0'	< 2	**36**	**200**
9.0'	< 1	< 5	< 10

Depth	TPHg	TPHd	TPHmo
2.0'	< 2	**270**	**4,100**
3.0'	< 2	< 5	< 10
4.0'	< 1	< 5	< 10
9.0'	< 1	< 5	< 10

LEGEND:

- B-1 Approximate Soil Boring Location (Kleinfelder, Sept. 2006)
- DP2 Approximate Direct-Push Boring Location (Geocon, Nov. 2010)
- Approximate Monitoring Well Location
- Approximate Extraction/Sparge Well Location
- ≥ 8' Approximate Location and Depth of Petroleum Impacted Soil/Groundwater

Depth	TPHg	TPHd	TPHmo
1.0'	< 4	**21**	**99**

Analytical Results for Soil

- Temporary Construction Easement
- Permanent Right-of-Way Take
- Right-of-Way Line / Parcel Boundary

TPHg = Total Petroleum Hydrocarbons as Gasoline (mg/kg)
TPHd = Total Petroleum Hydrocarbons as Diesel (mg/kg)
TPHmo = Total Petroleum Hydrocarbons as Motor Oil (mg/kg)
NA = Not Analyzed
Analytical results for soil samples given in milligrams per kilogram (mg/kg)

0 100
Scale in Feet

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Kings Beach Commercial Core

Kings Beach, California

PETROLEUM IMPACT AREAS

S9558-06-01	April 2013	Figure 3D

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS FOR TPH, BTEX, FOCs, AND LEAD
KINGS BEACH COMMERCIAL CORE IMPROVEMENTS PROJECT
STATE ROUTE 28, KINGS BEACH, PLACER COUNTY, CALIFORNIA

SAMPLE ID	DEPTH (feet)	SAMPLE DATE	TPH DIESEL* (mg/kg)	TPH as Oil* (mg/kg)	TPH as Gas (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	FOCs (µg/kg)	BTEX (µg/kg)	Total Lead (mg/kg)
2010 Phase II Investigation, Geocon Consultants												
DP-4 3-4'	3.0	11/10/2010	<1.0	<1.0								
DP-4 7-8'	7.0	11/10/2010	4.2/<1.0	10/1.3	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-6 3-4'	3.0	11/10/2010	580/44	890/100	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-6 7-8'	7.0	11/10/2010	<1.0	<1.0								
DP-7 3-4'	3.0	11/10/2010	<1.0	<1.0								
DP-8 11-12'	11.0	11/10/2010	1.0/<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP9-3.0	3.0	11/30/2010	16/2.2	37/5.1								
DP9-7.0	7.0	11/30/2010	2.5/<1.0	2.6/<1.0								
DP10-7.0	7.0	11/30/2010	9.3/<1.0	7.2/<1.0								
DP-13 3-4'	3.0	11/11/2010	320/<1.0	1,400/<1.0	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-13 7-8'	7.0	11/11/2010	<1.0	<1.0								
DP-13 11-12'	11.0	11/11/2010	<1.0	<1.0	4.4	<5.0	<5.0	90	412	ND		
DP-14 3-4'	3.0	11/10/2010	<1.0	<1.0								
DP-14 7-8'	7.0	11/10/2010	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-14 11-12'	11.0	11/10/2010	<1.0	<1.0	<1.0	<5.0	<5.0	15	22	ND		
DP-16 3-4'	3.0	11/11/2010	<1.0	<1.0								
DP-21 3-4'	3.0	11/12/2010	4.2/1.3	15/1.6	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-23 3-4'	3.0	11/11/2010	<1.0	3.8/2.5	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-23 7-8'	7.0	11/11/2010	<1.0	<1.0								
DP-24 3-4'	3.0	11/11/2010	<1.0	<1.0								
DP-24 7-8'	7.0	11/11/2010	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-25 3-4'	3.0	11/12/2010	190/25	930/68	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-25 7-8'	7.0	11/12/2010	<1.0	<1.0								
DP-26 3-4	3.0	11/12/2010	<1.0	1.9/<1.0								
DP-35 3-4'	3.0	11/12/2010	190/94	750/270	<1.0	<5.0	<5.0	<5.0	<15	ND		
DP-35 7-8'	7.0	11/12/2010	<1.0	1.4/<1.0								
DP-35 11-12'	11.0	11/12/2010	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<15	ND		
2006 Phase II Environmental Site Assessment, Kleinfelder 2006												
B-1	1.0	9/25/2006	21	99	<4					<20	<20	NA
	4.0	9/25/2006	15	56	<4					<20	<20	NA
	9.0	9/25/2006	<5	<10	<4					<20	<20	NA

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SUMMARY OF SOIL ANALYTICAL RESULTS FOR TPH, BTEX, FOCs, AND LEAD
KINGS BEACH COMMERCIAL CORE IMPROVEMENTS PROJECT
STATE ROUTE 28, KINGS BEACH, PLACER COUNTY, CALIFORNIA

SAMPLE ID	DEPTH (feet)	SAMPLE DATE	TPH DIESEL* (mg/kg)	TPH as Oil* (mg/kg)	TPH as Gas (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	FOCs (µg/kg)	BTEX (µg/kg)	Total Lead (mg/kg)
B-2	1.0	9/25/2006	29	200	<4					<20	<20	11
	4.0	9/25/2006	<5	<10	<2					<10	<10	NA
DUP 1	8.0	9/25/2006	<5	<10	<1					<5	<5	NA
	9.0	9/25/2006	<5	<10	<2					<10	<10	NA
B-3	1.0	9/25/2006	<5	16	<2					<10	<10	NA
	4.0	9/25/2006	<5	<10	<1					<5	<5	NA
	9.0	9/25/2006	<5	<10	<2					<10	<10	NA
B-4	1.0	9/25/2006	10	63	<2					<10	<10	NA
	4.0	9/25/2006	<5	<10	<2					<10	<10	NA
	8.0	9/25/2006	<5	<10	<2					<10	<10	NA
DUP 2	9.0	9/25/2006	<5	<10	<1					<5	<5	NA
B-5	1.0	9/25/2006	<5	<10	<1					<5	<5	NA
	5.0	9/25/2006	<5	<10	<1					<10	<10	NA
	9.0	9/25/2006	<5	<10	<1					<5	<5	NA
B-6	2.0	9/25/2006	<5	<10	<1					<5	<5	NA
	5.0	9/25/2006	<5	<10	<1					<5	<5	NA
	8.0	9/25/2006	<5	<10	340					800 E; 2790 X	300 E; 2790 X	4.7
B-7	1.0	9/25/2006	<5	<10	<1					<5	<5	NA
	6.0	9/25/2006	6	<10	<2					<5	<5	NA
	9.0	9/25/2006	<5	<10	<2					<5	<5	NA
B-8	1.0	9/25/2006	8.7	40	<2					<10	<10	NA
	4.0	9/25/2006	5	18	<2					<10	<10	NA
B-9	2.0	9/25/2006	31	330	<2					<10	<10	6
	4.0	9/25/2006	17	140	<2					<10	<10	NA
	9.0	9/25/2006	<5	<10	<1					<5	<5	NA
B-10	2.0	9/25/2006	<5	32	<1					<5	<5	NA
	4.0	9/25/2006	120	1300	<1					5.1 E; 16 X	5.1 E; 16 X	7.1
	7.0	9/25/2006	<5	34	<1					<5	<5	NA
B-11	1.0	9/26/2006	76	590	<2					<10	<10	NA
	4.0	9/26/2006	700	4700	<4					<20	<20	25
DUP 5	5.0	9/26/2006	<5	<10	<2					<10	<10	NA
	9.0	9/26/2006	<5	<10	<2					<10	<10	NA

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS FOR TPH, BTEX, FOCs, AND LEAD
KINGS BEACH COMMERCIAL CORE IMPROVEMENTS PROJECT
STATE ROUTE 28, KINGS BEACH, PLACER COUNTY, CALIFORNIA

SAMPLE ID	DEPTH (feet)	SAMPLE DATE	TPH DIESEL* (mg/kg)	TPH as Oil* (mg/kg)	TPH as Gas (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	FOCs (µg/kg)	BTEX (µg/kg)	Total Lead (mg/kg)
B-12	1.0	9/26/2006	26	160	<2					<10	<10	NA
DUP 4	3.0	9/26/2006	200	1300	<2					<10	<10	NA
	4.0	9/26/2006	36	200	<2					<10	<10	3.2
	9.0	9/26/2006	<5	<10	<1					<5	<5	NA
B-13	2.0	9/26/2006	270	4100	<2					<10	<10	3.8
DUP 3	3.0	9/26/2006	<5	<10	<2					<10	<10	NA
	4.0	9/26/2006	<5	<10	<1					<5	<5	NA
	9.0	9/26/2006	<5	<10	<1					<5	<5	NA
B-14	1.0	9/26/2006	16	130	<4					<20	<20	NA
	3.0	9/26/2006	<5	<10	1.5					<5	<5	NA
	9.0	9/26/2006	<5	<10	<1					<5	<5	NA
B-15	1.0	9/26/2006	100	660	<2					11 E; 34 X	11 E; 34 X	NA
	4.0	9/26/2006	370	2900	<4					52 X	52 X	2.8
	9.0	9/26/2006	<5	<10	<1					<5	<5	NA
ESLs			83	370	83	0.044	2.9	2.3	2.3			

Notes:

mg/kg = Milligrams per kilogram
µg/kg = Micrograms per kilogram
< = Less than the laboratory reporting limits

FOCs = Fuel oxygenated compounds (di-isopropylether[DIPE], ethyl tert-butyl ether [ETBE], methyl-tert-butyl ether [MTBE], tert-amyl methyl ether [TAME], and tert-butanol [TBA])
* = Results shown without and with silica gel cleanup where applicable (e.g., "320/<1.0")
ND = FOCs were not detected at or greater than the following laboratory quantification limits: DIPE, ETBE, MTBE, and TAME = 5.0µg/kg; TBA = 100 µg/kg)
ESLs = Residential Environmental Screening Levels - Soils <3 Meters, Potential Drinking Water Source, San Francisco Bay Regional Water Quality Control Board, Revised May 2008

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS FOR TPH
KINGS BEACH COMMERCIAL CORE IMPROVEMENTS PROJECT
STATE ROUTE 28, KINGS BEACH, PLACER COUNTY, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TPHg (µg/l)	TPHd (µg/l)	TPHmo (µg/l)
DP-13	11/11/2010	8,400	2,500	290
DP-14	11/10/2010	13,000	3,800	1,500
DP-35	11/12/2010	6,300	5,500	2,600

Notes:
TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
µg/l = Micrograms per liter
< = Less than the laboratory reporting limits

APPENDIX A

2m 72230

Receipt #: 50025047
Amt 770.00
Check # 627985
By: DRE
Date: 11/3/10
TO BE FILLED OUT BY ENVIRONMENTAL HEALTH DEPT

RECEIVED
NOV 01 2010
PLACER COUNTY ENV. HEALTH TAHOE

Placer County
Department of Health and Human Services
Environmental Health Services
3091 County Center Dr., Suite 180, Auburn CA 95603 (530) 745-2300
Tahoe Office: P O Box 2509, Tahoe City CA 96145 (530) 581-6240

UST/SOLID WASTE PROGRAMS
Permit Application for:
WELL CONSTRUCTION/DESTRUCTION

1. SR # 394470
2. SR # _____
3. SR # _____
4. SR # _____
5. SR # _____
6. SR # _____
TO BE FILLED OUT BY ENV HLTH DEPT

WELL DESIGNATIONS AS SHOWN ON PLOT PLAN

1. Well ID C2-C7, C9, C10, C12 C13, C15, C16, C18, C20, C1	2. Well ID C23, C24, C26, C27 C30.	3. Well ID C31 - C34, C36, C38 C39, A-10-101 - A-10-104
4. Well ID A-10-106, A-108, A-109,	5. Well ID A-10-114, A-10-115, A-10-117 - A-10-124, A-10-126	6. Well ID A-10-127, A-10-129, A-10-130, A-10-132, PP1-PP2[illegible]

Project Name Kings Beach Commercial Core Improvement Project	Project Address Highway 28	Location Kings Beach, CA 96143
Well Owner (project owner) State of California	Well Owner Address 703 B Street, PO BOX 911 Marysville, CA 95901	Telephone
Consultant's Name PARIKH Consultants, Inc.	Consultant's Address 2360 Qume Dr. Suite A, San Jose, CA 95131	Telephone (408) 452 9000
Consultant's Registration G.E. 666		

If the well is to be located on ADJOINING OR NEARBY PROPERTY owned by another person, you must have that off-site property owner complete the acknowledgement below or attach copies of access agreements/encroachment permits.

ACKNOWLEDGEMENT OF OFF-SITE PROPERTY OWNER See attached

I have read this application form and I approve of the construction of this proposed well

Offsite Well Address	
Property Owners Name and Address	Telephone
Property Owners Signature	Date

SUBMITTED SIGNATURE MUST BE ORIGINAL

Please indicate type of well:

- ☐ Groundwater Monitoring
- ☑ Exploratory Boring /Hydropunch/Geoprobe (indicate how many) 76
- ☐ Water Extraction
- ☐ Other (specify) _____
- ☐ Vapor Extraction
- ☐ Well Destruction
- ☐ Gas Probe
- ☐ Vadose/Lysimeter

PURPOSE OF WELL (if not explained in workplan) _____

Construction Specifications:

- ☑ Workplan Attached
- ☐ Workplan Previously Submitted - Workplan date _____
  Prepared by _____

DRILLING CONTRACTOR
INFORMATION AND CERTIFICATION

Project Name: KINGS BEACH COMMERCIAL CORE IMP. PROJECT
Drilling Company Name: GEOCON CONSULTANTS, INC C-57 License No. C57-716050
Drilling Company Address: 3160 GOLD VALLEY DR #800 Phone #(916) 852-9118
RANCHO CORDOVA, CA 95742 Fax # (916) 852-9132

A. **NOTICE TO DRILLING CONTRACTOR: The Environmental Health Division shall be notified at least 48 hours in advance of drilling to schedule the REQUIRED inspections.**

B. **DRILLING CONTRACTOR'S WORKERS COMPENSATION DECLARATION**
(**ONE** of the following three boxes must be completed)

☐ 1. A certified copy of Worker's Compensation Insurance is hereby furnished.

☑ 2. A current effective certificate is filed with Placer County Building Department or Environmental Health Division.

☐ 3. I certify that in performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the California Worker's Compensation Act.

C. If well is located in or may otherwise obstruct public right-of-way, an encroachment permit is required.

D. Location and clearance of underground and aboveground utilities is the responsibility of the permittee.

I HAVE READ AND UNDERSTAND THE FOREGOING STATEMENTS (A, B & C) AND CERTIFY THAT ALL RELEVANT ACTIVITIES WILL BE PERFORMED IN COMPLIANCE WITH THESE STATEMENTS AND APPLICABLE CODES AND REGULATIONS. I HAVE SHOWN ALL EASEMENTS ON THE PROPERTY.

Well Drilling Contractor Signature _____ Date 10/18/10

FOR OFFICIAL USE ONLY

☐ RWQCB Concurrence Received
This permit is issued subject to the following conditions. If these conditions are not satisfied, this approval/permit is null and void.

1. Monitoring wells shall be destroyed as required by the Environmental Health Division or R.W.Q.C.B.
2. Monitoring wells shall be capped and locked at all times except during sampling.
3. This permit expires one (1) year after date of issuance, but may be renewed for a fee if application is made PRIOR to expiration date.
4. All wells shall be constructed/destroyed pursuant to the standards set forth in the State of California Water Well Standards, Bulletin 74-90.
5. Contact Environmental Health prior to commencing work (530) 581-6240

When signed by Placer County Environmental Health Division authorized representative, the application constitutes a PERMIT TO CONSTRUCT the subject well as herein specified:

_____ 11-5-10
Permit Issued by: Date

Seal Inspection Date: _____ Comments: _____

DRILLING CONTRACTOR
INFORMATION AND CERTIFICATION

Project Name: King Beach Commercial Core Improvement Project
Drilling Company Name: Technicon Engineering Services C-57 License No. 767888
Drilling Company Address: 4539 N. Brawley Ave., Suite 108 Phone # (559) 994-7486
Fresno, CA 93722 Fax # (559) 276-9344

A. **NOTICE TO DRILLING CONTRACTOR: The Environmental Health Division shall be notified at least 48 hours in advance of drilling to schedule the REQUIRED inspections.**

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Well Drilling Contractor Signature Darren G. Williams Date 11/1/2010

FOR OFFICIAL USE ONLY

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When signed by Placer County Environmental Health Division authorized representative, the application constitutes a PERMIT TO CONSTRUCT the subject well as herein specified:

Permit Issued by: 11.5.10 Date

Seal Inspection Date: _____ Comments: _____

Inv. 72142

Receipt #: T70000706
Amt 770.00
Check # 627897
By: MM
Date: 10/25/10
TO BE FILLED OUT BY ENVIRONMENTAL HEALTH DEPT

Placer County
Department of Health and Human Services
Environmental Health Services
3091 County Center Dr., Suite 180, Auburn CA 95603 (530) 745-2300
Tahoe Office: P O Box 1909, Tahoe City CA 96145 (530) 581-6240

UST/SOLID WASTE PROGRAMS
Permit Application for:
WELL CONSTRUCTION/DESTRUCTION

1. SR # 39453
2. SR # _____
3. SR # _____
4. SR # _____
5. SR # _____
6. SR # _____
TO BE FILLED OUT BY ENV HLTH DEPT

WELL DESIGNATIONS AS SHOWN ON PLOT PLAN

1. Well ID C6, C8, C11, C14, C17, C19, C21, C22, C25	2. Well ID C28, C29, C35, C37	3. Well ID A-10-105, A-10-107, A-10-110 - A-10-113, A-10-112
4. Well ID A-10-116, A-10-125, A-10-111	5. Well ID A-10-128, A-10-131	6. Well ID DP20, DP31

Project Name Kings Beach Commercial Core Improvement Project	Project Address Hwy 28, Deer St, Trout Ave, Bear St, Brook Ave, Coon St, Salmon Ave, Fox St, Chipmunk Ave.	Location Kings Beach, CA 96143
Well Owner (project owner) County of Placer	Well Owner Address 565 West Lake Blvd, Tahoe City, CA 96145	Telephone (530) 581 6227
Consultant's Name PARIKH Consultants, Inc.	Consultant's Address 2360 Qume Dr. Suite A, San Jose, CA 95131	Telephone (408) 452 9000
Consultant's Registration G.E. 666		

If the well is to be located on ADJOINING OR NEARBY PROPERTY owned by another person, you must have that off-site property owner complete the acknowledgement below or attach copies of access agreements/encroachment permits.

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I have read this application form and I approve of the construction of this proposed well See attached

Offsite Well Address	
Property Owners Name and Address	Telephone
Property Owners Signature	Date

SUBMITTED SIGNATURE MUST BE ORIGINAL

Please indicate type of well:

- ☐ Groundwater Monitoring
- ☑ Exploratory Boring /Hydropunch/Geoprobe (indicate how many) 25
- ☐ Water Extraction
- ☐ Other (specify) _____
- ☐ Vapor Extraction
- ☐ Well Destruction
- ☐ Gas Probe
- ☐ Vadose/Lysimeter

PURPOSE OF WELL (if not explained in workplan) _____

Construction Specifications:

- ☑ Workplan Attached
- ☐ Workplan Previously Submitted - Workplan date _____
  Prepared by _____

RECEIVED
OCT 22 2010
PLACER COUNTY ENV. HEALTH TAHOE

DRILLING CONTRACTOR
INFORMATION AND CERTIFICATION

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Drilling Company Name: Technicon Engineering Services C-57 License No. 767888
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Fresno, CA 93722 Fax # (559) 276-9344

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☐ 3. I certify that in performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the California Worker's Compensation Act.

C. If well is located in or may otherwise obstruct public right-of-way, an encroachment permit is required.

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I HAVE READ AND UNDERSTAND THE FOREGOING STATEMENTS (A, B & C) AND CERTIFY THAT ALL RELEVANT ACTIVITIES WILL BE PERFORMED IN COMPLIANCE WITH THESE STATEMENTS AND APPLICABLE CODES AND REGULATIONS. I HAVE SHOWN ALL EASEMENTS ON THE PROPERTY.

Well Drilling Contractor Signature Darren G. Williams Date 11/1/2010

FOR OFFICIAL USE ONLY

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2. Monitoring wells shall be capped and locked at all times except during sampling.
3. This permit expires one (1) year after date of issuance, but may be renewed for a fee if application is made PRIOR to expiration date.
4. All wells shall be constructed/destroyed pursuant to the standards set forth in the State of California Water Well Standards, Bulletin 74-90.

Contact EH prior to commencing work (530) 581-6240

When signed by Placer County Environmental Health Division authorized representative, the application constitutes a PERMIT TO CONSTRUCT the subject well as herein specified:

Permit Issued by: _____ Date 11-2-10

Seal Inspection Date: _____ Comments: _____

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120 (REV 6/200)

Permit No.
0310-NSV0853
Dist/Co/Rte/PM
03-PLA-28-9.2/10.3
Date
October 29, 2010

In compliance with (Check one):

- ☒ Your application of October 20, 2010
- ☐ Utility Notice No. _____ of _____
- ☐ Agreement No. _____ of _____
- ☐ R/W Contract No. _____ of _____

Fee Paid	Deposit
$ Exempt	$ N/A
Performance Bond Amount (1)	**Payment Bond Amount (2)**
$ N/A	$ N/A
Bond Company	
Bond Number (1)	**Bond Number (2)**

TO: County of Placer
P.O.Box 336
Kings Beach, CA 96143
Attn: Dan LaPlante
(530)581-6231

Ref No.

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:
Perform geotechnical borings on State Highway 28 between State Highway 267 and Chipmunk Street in the city of Kings Beach as per attached plans.

1. Permittee shall provide safe access for Peds/Bikes through work zone at all times.
2. Boring hole shall be well compacted and the final 6-inches shall be Hot Mix AC.

Permittee shall contact State Inspector Ron Mills (530) 755-6688 SEVEN (7) working days prior to commencing work to arrange a pre-job meeting in accordance with General Provisions. All work shall be conducted and completed to the satisfaction of the Caltrans representative. Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this Permit.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER

The following attachments are also included as part of this permit *(Check applicable)*:

☒ Yes	☐ No	General Provisions
☐ Yes	☒ No	Utility Maintenance Provisions
☒ Yes	☐ No	Special Provisions **TRAFFIC CONTROL, SWSP,**
☐ Yes	☒ No	A Cal-OSHA permit, if required: Permit No _____
☐ Yes	☒ No	As-Built Plans Submittal Route Slip for Locally Advertised Projects
☐ Yes	☒ No	Storm Water Pollution Protection Plan

In addition to fee, the permittee will be billed actual costs for:

☐ Yes	☒ No	Review
☒ Yes	☐ No	Inspection
☒ Yes	☐ No	Field work

(If any Caltrans effort expended)

☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before May 1, 2011

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained

Ron Mills
P.O. Box 579
Truckee, CA 96160
(530) 582-8133 Cellular (530) 755-6688

cc: Stan Richins, Maint-Sutter/Sierra Region

APPROVED:

JODY JONES, District Director

BY: Barinder Dhaliwal
BRUCE D. CAPAUL, Chief-Encroachment Permits Branch

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FM 91 1436

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

STANDARD ENCROACHMENT PERMIT APPLICATION

TR-0100 (REV. 07/2007)

Permission is requested to encroach on the State Highway right-of-way as follows:
(Complete all BOXES [write N/A if not applicable])
This application is not complete until all requirements have been approved.

FOR CALTRANS USE
PERMIT NO.
DIST/CO/RTE/PM
SIMPLEX STAMP
DATE OF SIMPLEX STAMP

1. COUNTY	2. ROUTE	3. POSTMILE
Placer	SR-28	9.2 to 10.3

4. ADDRESS OR STREET NAME	5. CITY
State Route 28	Kings Beach

6. CROSS STREET *(Distance and direction from site)*	7. PORTION OF RIGHT-OF-WAY
SR-267 to Chipmunk Street	Shoulder/Traveled Way

8. WORK TO BE PERFORMED BY	9. EST. START DATE	10. EST. COMPLETION DATE
☐ OWN FORCES ☑ CONTRACTOR	October 2010	October 2010

11. EXCAVATION	MAX. DEPTH	AVG. DEPTH	AVG. WIDTH	LENGTH	SURFACE TYPE
	15	5	5"	1 mile	Asphalt and soil

12. EST. COST IN STATE HIGHWAY RIGHT-OF-WAY	FUNDING SOURCE(S)
$35.5 Million	☑ FEDERAL ☑ STATE ☑ LOCAL ☐ PRIVATE

13. PIPES	PRODUCT TYPE	DIAMETER	VOLTAGE / PSIG	14. CALTRANS PROJECT E.A. NUMBER
				EA 03-0C9301

15. ☐ **Double Permit** **Parent Permit Number** _____
Applicant's Reference Number / Utility Work Order Number _____

16. **Have your plans been reviewed by another Caltrans branch?** ☑ NO ☐ YES (If "YES") **Who?** _____

17. **Completely describe work to be done within STATE highway right-of-way :**
Attach 6 complete sets of **FOLDED** plans (folded 8.5" x 11"), and any applicable specifications, calculations, maps, etc.
All dimensions shall be in U.S. Customary (English) Units.

Work to be completed in the state right of way includes geotechnical boring, corings and geoprobes as identified in the attached geotechnical boring plan sheets. Each boring will be about 2" to 8" in diameter and extend into the ground at various depths from 3-feet to 15-feet. Attached is the boring plan indicated the locations of the proposed borings. The attached traffic control sheets will be used for traffic control during geotechnical investigation. The borings are needed to perform the foundation design, pavement design, and soil mapping for the future modifications to be made to SR-28 for the Kings Beach Commercial Core Improvement Project.

The work is being done for the County of Placer, Department of Public Works and Dokken Engineering.

If you have questions you may also contact Rebecca Mowry, Special Funded Project Manager, Caltrans District 3, at 916-799-5794

18. **Is a city, county, or other agency involved in the approval of this project?**

☑ YES ***(If "YES", check type of project and attach environmental documentation and conditions of approval.)***

☐ COMMERCIAL DEVELOPMENT ☐ BUILDING ☐ GRADING ☑ OTHER Geotechnical borings, corings and geoprobes

☐ CATEGORICALLY EXEMPT ☐ NEGATIVE DECLARATION ☐ ENVIRONMENTAL IMPACT REPORT ☐ OTHER _____

☐ NO ***(If "NO", please check the category below which best describes the project, and complete page 4 of this application.)***

☐ DRIVEWAY OR ROAD APPROACH, RECONSTRUCTION, MAINTENANCE, OR RESURFACING
☐ PUBLIC UTILITY MODIFICATIONS, EXTENSIONS, HOOKUPS
☐ FLAGS, SIGNS, BANNERS, DECORATIONS, PARADES AND CELEBRATIONS
☐ OTHER _____
☐ FENCE
☐ MAILBOX
☐ EROSION CONTROL
☐ LANDSCAPING

19. Will this project cause a substantial change in the significance of a historical resource (45 years or older), or cultural resource? ☐ YES ☑ NO
(If "YES", provide a description)

20. Is this project on an existing highway or street where the activity involves removal of a scenic resource including a significant tree or stand of trees, a rock outcropping or a historic building? ☐ YES ☑ NO (If "YES", provide a description)

21. **Is work being done on applicant's property?** ☐ YES ☑ NO (If "YES", attach site and grading plans.)

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STANDARD ENCROACHMENT PERMIT APPLICATION

TR-0100 (REV. 07/2007)

PERMIT NO.

22. Will this proposed project require the disturbance of soil? ☐ YES ☑ NO

If "YES", estimate the area within State Highway right-of-way in square feet AND acres: _____ (ft²) AND _____ (acres)

estimate the area outside of State Highway right-of-way in square feet AND acres: _____ (ft²) AND _____ (acres)

23. Will this proposed project require dewatering? ☐ YES ☑ NO

If "YES", estimate total gallons AND gallons/month._____(gallons) AND _____(gallons/month)

SOURCE*: ☐ STORM WATER ☐ NON-STORM WATER

(*See Caltrans SWMP for definitions of non-storm water discharge: http://www.dot.ca.gov/hq/env/stormwater/index.htm)

24. How will any storm water or ground water be disposed of from within or near the limits of this proposed project?

☑ Storm Drain System ☐ Combined Sewer / Storm System ☐ Storm Water Retention Basin

☐ Other (explain): _____

PLEASE READ THE FOLLOWING CLAUSES PRIOR TO SIGNING THIS ENCROACHMENT PERMIT APPLICATION.

The applicant, understands and herein agrees to that an encroachment permit can be denied, and/or a bond required for non-payment of prior or present encroachment permit fees. Encroachment Permit fees may still be due when an application is withdrawn or denied, and that a denial may be appealed, in accordance with the California Streets and Highways Code, Section 671.5. All work shall be done in accordance with Caltrans rules and regulations subject to inspection and approval.

The applicant, understands and herein agrees to the general provisions, special provisions and conditions of the encroachment permit, and to indemnify and hold harmless the State, its officers, directors, agents, employees and each of them (Indemnitees) from and against any and all claims, demands, causes of action, damages, costs, expenses, actual attorneys' fees, judgments, losses and liabilities of every kind and nature whatsoever (Claims) arising out of or in connection with the issuance and/or use of this encroachment permit and the placement and subsequent operation and maintenance of said encroachment for: 1) bodily injury and/or death to persons including but not limited to the Applicant, the State and its officers, directors, agents and employees, the Indemnities, and the public; and 2) damage to property of anyone. Except as provided by law, the indemnification provisions stated above shall apply regardless of the existence or degree of fault of Indemnities. The Applicant, however, shall not be obligated to indemnify Indemnities for Claims arising from the sole negligence and willful misconduct of State, its officers, directors, agents or employees.

DISCHARGES OF STORM WATER AND NON-STORM WATER: Work within State Highway right-of-way shall be conducted in compliance with all applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit issued to the Department of Transportation (Department), to govern the discharge of storm water and non-storm water from its properties. Work shall also be in compliance with all other applicable Federal, State and Local laws and regulations, and with the Department's Encroachment Permits Manual and encroachment permit. Compliance with the Departments NPDES permit requires amongst other things, the preparation and submission of a Storm Water Pollution Protection Plan (SWPPP), or a Water Pollution Control Program (WPCP), and the approval of same by the appropriate reviewing authority prior to the start of any work. Information on the requirements may also be reviewed on the Department's Construction Website at:

http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm

25. NAME of APPLICANT or ORGANIZATION (Print or Type)	E-MAIL ADDRESS
Placer County Department of Public Works	
ADDRESS of APPLICANT or ORGANIZATION WHERE PERMIT IS TO BE MAILED (Include City and Zip Code)	
PO Box 336, Kings Beach, CA 96143	
PHONE NUMBER: 530-581-6231	FAX NUMBER: 530-581-6239

26. NAME of AUTHORIZED AGENT / ENGINEER (Print or Type)	IS LETTER OF AUTHORIZATION ATTACHED?	E-MAIL ADDRESS
Dan LaPlante	☐ YES ☑ NO	dlaplant@placer.ca.gov
ADDRESS of AUTHORIZED AGENT / ENGINEER (Include City and Zip Code)		
P.O. Box 336, Kings Beach, Ca 96143		
PHONE NUMBER: 530 581-6231	FAX NUMBER: 530 581-6239	

27. SIGNATURE of APPLICANT or AUTHORIZED AGENT	28. PRINT OR TYPE NAME	29. TITLE	30. DATE
Dan LaPlante	Dan LaPlante	Project Manager	10/7/10

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

STANDARD ENCROACHMENT PERMIT APPLICATION

TR-0100 (REV. 07/2007)

PERMIT NO.
WORK ORDER/REFERENCE NUMBER

FEE CALCULATION -- FOR CALTRANS USE

☐ CASH ☐ CREDIT CARD NAME ON CARD _____ PHONE NUMBER _____

☐ CHECK NUMBER _____ NAME ON CHECK _____ PHONE NUMBER _____

☐ EXEMPT ☐ PROJECT EA _ _ _ _ _ _ _ ☐ DEFERRED BILLING (Utility)

CALCULATED BY	(1)		(2)		
REVIEW 1. _____ HOURS @ $_____ * 2. _____ HOURS @ $_____ *	1. FEE / DEPOSIT $_____	DATE	2. FEE / DEPOSIT $_____	DATE	TOTAL FEE / DEPOSIT $_____ $_____
INSPECTION 1. _____ HOURS @ $_____ * 2. _____ HOURS @ $_____ *	1. FEE / DEPOSIT $_____	DATE	2. FEE / DEPOSIT $_____	DATE	TOTAL FEE / DEPOSIT $_____ $_____
FIELD WORK _____ HOURS @ $_____ *	$_____		$_____		$_____
EQUIPMENT & MATERIALS	DEPOSIT $_____	DATE	DEPOSIT $_____	DATE	DEPOSIT $_____
CASH DEPOSIT IN LIEU OF BOND	$_____		$_____		$_____
TOTAL COLLECTED	$_____		$_____		
CASHIER'S INITIALS	_____		_____		$_____

** The current hourly rate is set annually by Headquarters Accounting. District Office staff do not have authority to modify this rate.*

PERFORMANCE BOND	☐	DATE	AMOUNT $
PAYMENT BOND	☐	DATE	AMOUNT $
LIABILITY INSURANCE REQUIRED?		☐ YES ☐ NO	AMOUNT $

INSTRUCTIONS
for completing page 4

This page needs to be completed when the proposed project DOES NOT involve a City, County or other public agency.

Your answers to these questions will assist departmental staff in identifying any physical, biological, social or economic resources that may be affected by your proposed project within the State highway right-of-way. And, to determine which type of environmental studies may be required to approve your application for an encroachment permit.

It is the applicant's responsibility for the production of all required environmental documentation and supporting studies, in some cases this may be costly and time-consuming. If possible, attach photographs of the location of the proposed project.

Please answer these questions to the best of your ability. Provide a description of any "YES" answers (type, name, number, etc.)

1. Will any existing vegetation and/or landscaping within the highway right-of-way be disturbed?

2. Are there waterways (e.g. river, creek, pond, natural pool or dry streambed) adjacent to or within the limits of the project or highway right-of-way?

3. Is the proposed project located within five miles of the coast line?

4. Will the proposed project generate construction noise levels greater than 86 dBA (e.g. jack-hammering, pile driving)?

5. Will the proposed project incorporate land from a public park, recreation area or wildlife refuge open to the public?

6. Are there any recreational trails or paths within the limits of the proposed project or highway right-of-way?

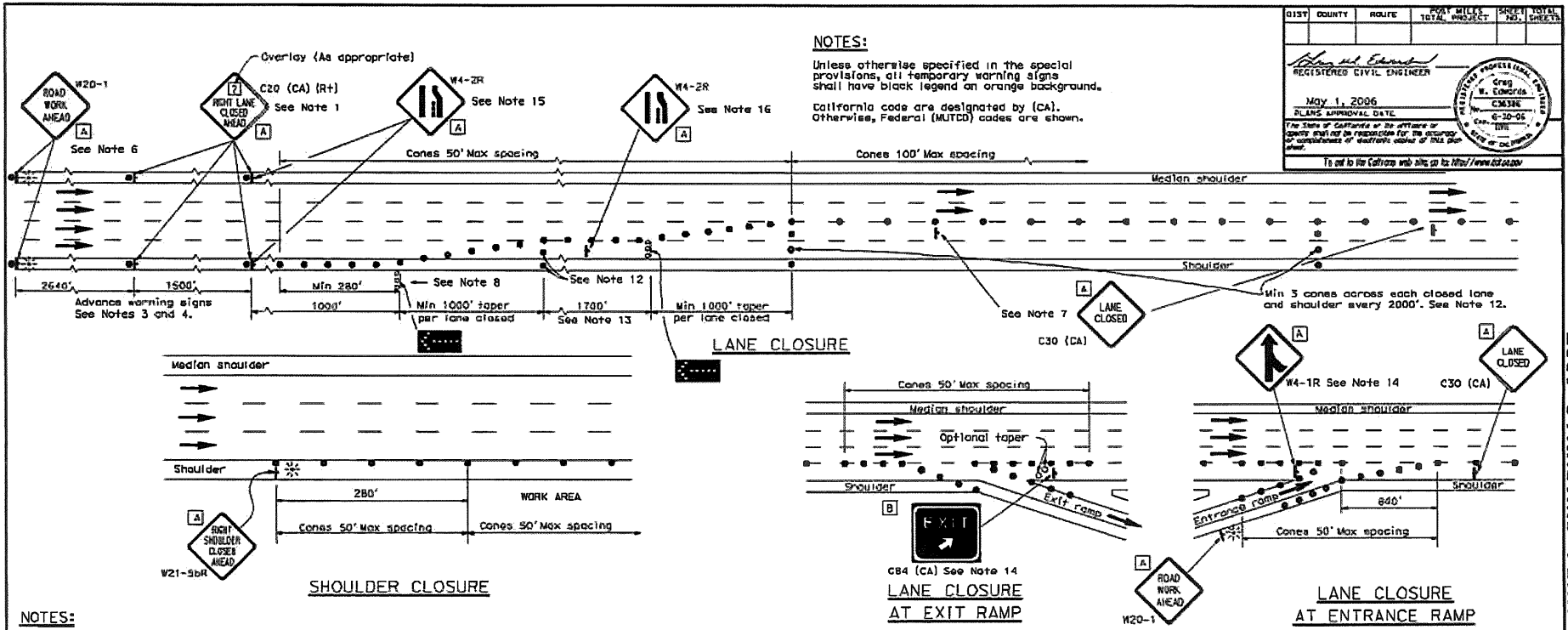
7. Will the proposed project impact any structures, buildings, rail lines, or bridges within highway right-of-way?

8. Will the proposed project impact access to any businesses or residences?

9. Will the proposed project impact any existing public utilities or public services?

10. Will the proposed project impact existing pedestrian facilities, such as sidewalks, crosswalks, or overcrossings?

11. Will new lighting be constructed within or adjacent to highway right-of-way?



NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

Greg W. Edwards
No. C36386
Exp. 6-30-06
CIVIL
STATE OF CALIFORNIA

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To get to the Caltrans web site, go to: http://www.dot.ca.gov

NOTES:

1. Median lane closures shall conform to the details for outside lane closures except that C20 (CA) (Lt) signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT ____ MILES", use a C20 (CA) sign for the first advance warning sign.
7. Place a C30 (CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The first flashing arrow sign shall be Type I. All others may be either Type I or Type II.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 1700' tangent shown along lane lines shall be used between the 1000' tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the G84 (CA) and W4-1 signs shall be used as shown.
15. When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.
16. The W4-2 "LANE ENDS" symbol sign shown at this location is to be used where the W4-2 sign is used as advance warning as described in Note 15.

SIGN PANEL SIZE (Min)

A	48" x 48"
B	54" x 48"

LEGEND

- Traffic Cone
- Traffic Cone (optional taper)
- Temporary Sign
- Flashing Arrow Sign (FAS)
- FAS Support or Trailer
- Direction of Travel
- Portable Flashing Beacon

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

T10

2006 STANDARD PLAN T10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

C.W. Edwards
C36386
6-30-06
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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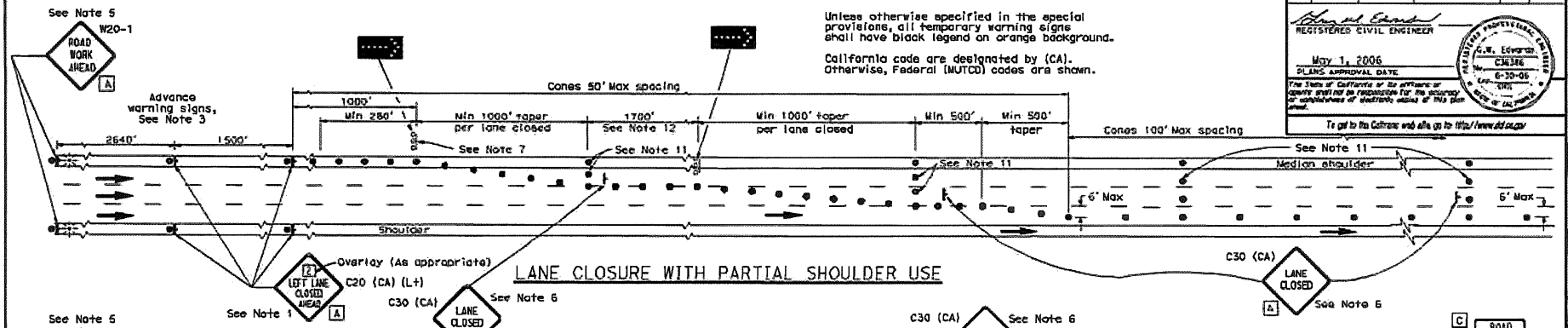
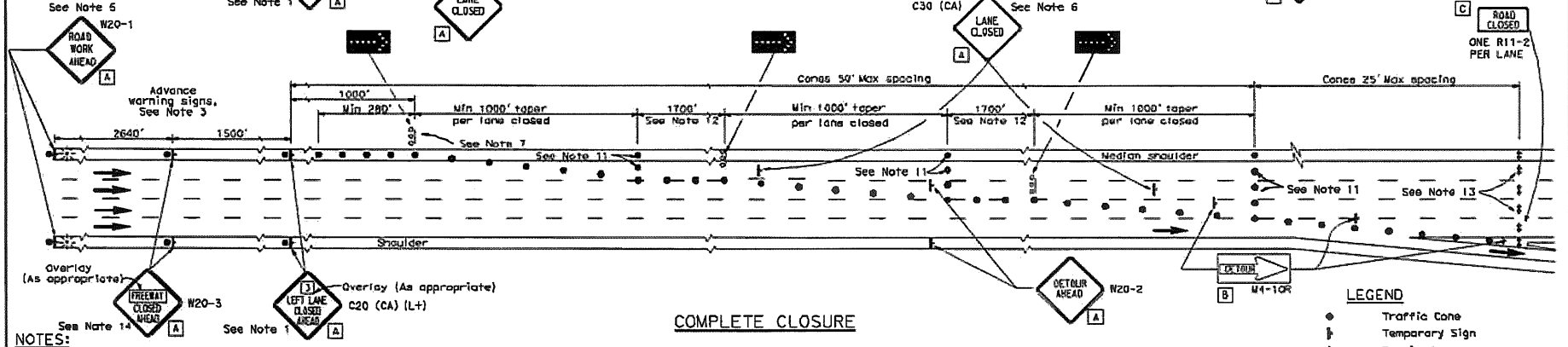
NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



LANE CLOSURE WITH PARTIAL SHOULDER USE



COMPLETE CLOSURE

NOTES:

1. Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details for inside lane closure except that C20 (CA) (Rt) signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" X 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
4. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
5. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT ___MILES", use a C20 (CA) sign for the first advance warning sign.
6. Place a C30 (CA) sign every 2000' throughout length of lane closure.
7. One flashing arrow sign for each lane closed. The first flashing arrow sign shall be Type I. All others may be either Type I or Type II.
8. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
9. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
10. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
11. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure With Partial Shoulder Use" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
12. Unless otherwise specified in the special provisions, the 1700' tangent shown along lane lines shall be used between the 1000' tapers required for each closed traffic lane.
13. A minimum of Two Type II barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
14. When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 18"
- C 48" x 30"

LEGEND

- Traffic Cone
- Temporary Sign
- Barricade
- Flashing Arrow Sign (FAS)
- FAS Support or Trailer
- Direction of Travel
- Portable Flashing Beacon

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE AND COMPLETE CLOSURES ON FREEWAYS AND EXPRESSWAYS

NO SCALE

T10A

6-30-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER Greg W. Edwards No. C36386 Exp. 6-30-06 CIVIL STATE OF CALIFORNIA

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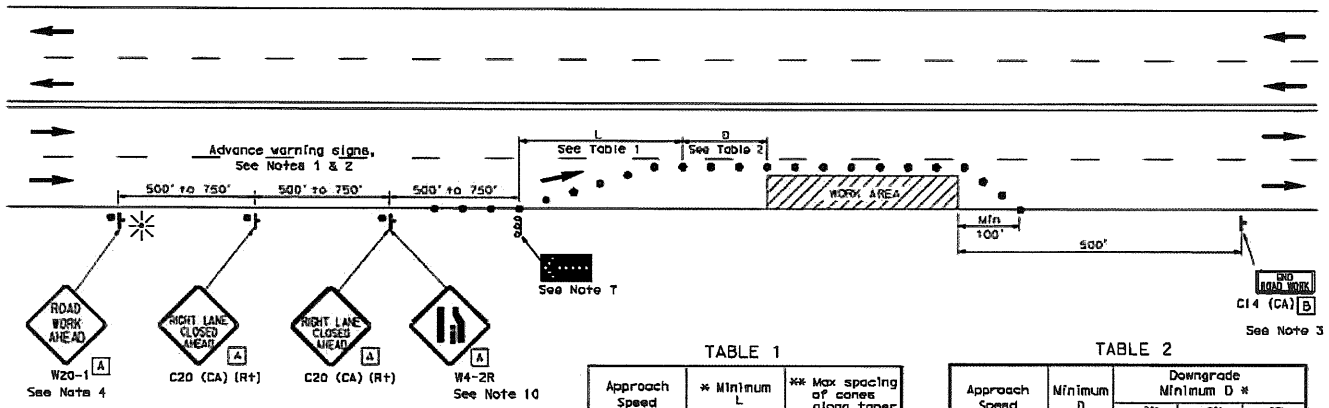
TYPICAL LANE CLOSURE



NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TABLE 1

Approach Speed	* Minimum L	** Max spacing of cones along taper
mph	ft	ft
20 and below	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
Over 50	See Note 9	

* Use L for lane widths less than or equal to 12'.
** See Note 8.

TABLE 2

Approach Speed	Minimum D	Downgrade Minimum D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 and below	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
Over 50	See Note 9			

* Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

LEGEND

- Traffic Cone
- Temporary Sign
- Direction of Travel
- Flashing Arrow Sign (FAS)
- FAS Support or Trailer
- Portable Flashing Beacon

SIGN PANEL SIZE (Min)

A 36" x 36"

B 36" x 18"

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
2. Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow sign shall be either Type I or Type II.
8. The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
9. For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
10. When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

T11

2006 STANDARD PLAN T11

LEGEND

- Traffic Cone
- Temporary Sign
- Direction of Travel
- Flashing Arrow Sign (FAS)
- FAS Support or Trailer
- Portable Flashing Beacon

TABLE 1

Approach Speed	* Minimum L	** Max spacing of cones along taper
mph	ft	ft
20 and below	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
Over 50	See Note 11	

* Use L for lane widths less than or equal to 12'.
** See Note 10.

TABLE 2

Approach Speed	Minimum D	Downgrade Minimum D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 and below	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
Over 50	See Note 11			

* Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

Craig W. Edwards
No. C56386
Exp. 6-30-06
CIVIL
STATE OF CALIFORNIA

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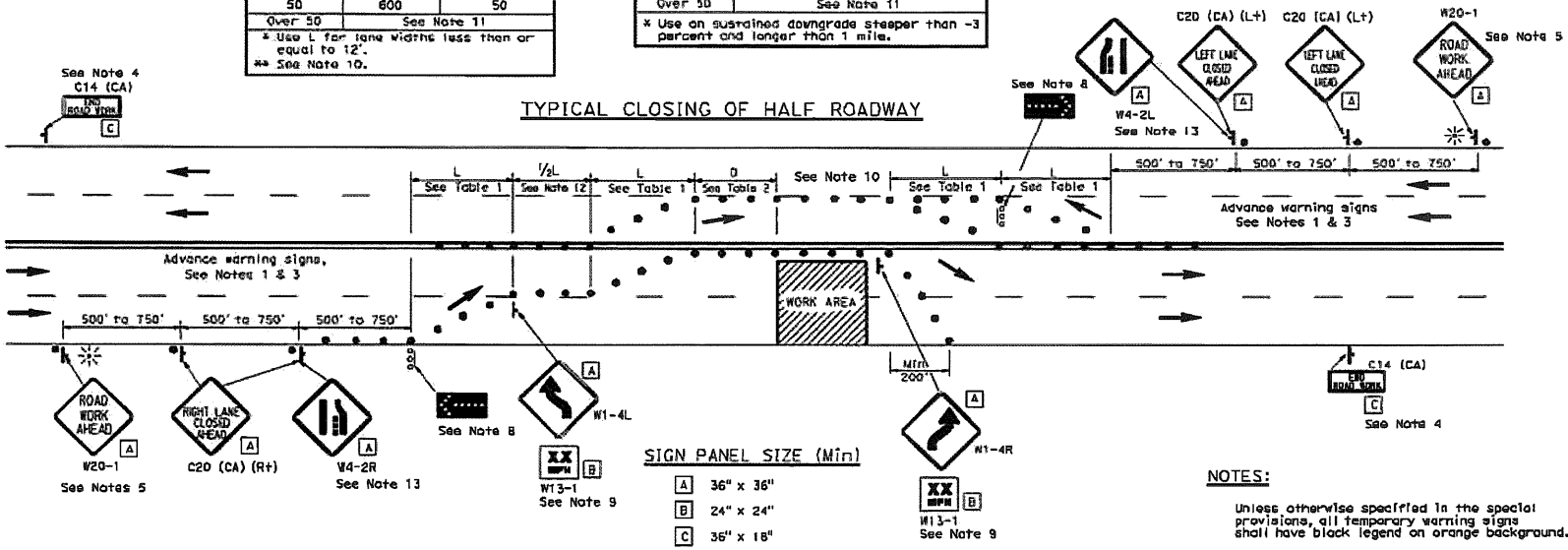
TYPICAL CLOSING OF HALF ROADWAY



SIGN PANEL SIZE (Min)

- A 36" x 36"
- B 24" x 24"
- C 36" x 18"

NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

1. Where Approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
3. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
4. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
5. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) sign for the first advance warning sign.
6. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
7. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
8. Flashing arrow signs shall be either Type I or Type II.
9. Advisory speed will be determined by the Engineer. The W13-1 Sign will not be required when advisory speed is more than the posted or maximum speed limit.
10. The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
11. For approach speeds over 50 mph, use the "Traffic Control System For Lane Closure on Freeways And Expressways" plan for lane closure details and requirements.
12. Unless otherwise specified in the special provisions, the (1/2 L) shown between the two (L) lane closure tapers shall be used.
13. When specified in the special provisions, a W4-2 "Lane Ends" symbol sign is to be used in place of the C20 (CA) "RIGHT (LEFT) LANE CLOSED AHEAD" sign.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

T12

2006 STANDARD PLAN T12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

Craig W. Edwards
No. C36386
Exp. 6-30-06
STATE OF CALIFORNIA

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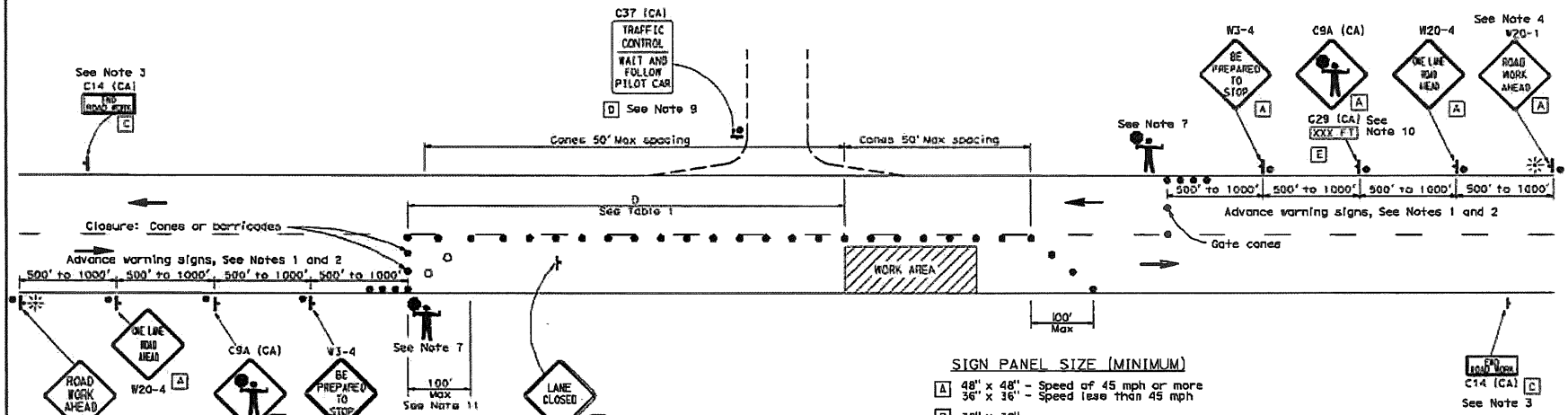
NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



SIGN PANEL SIZE (MINIMUM)

- A 48" x 48" - Speed of 45 mph or more
  36" x 36" - Speed less than 45 mph
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 36" x 9"

LEGEND

- Traffic Cone
- Traffic Cone (optional taper)
- Temporary Sign
- Direction of Travel
- Portable Flashing Beacon
- Flagger

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____MILES", use a W20-4 sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 30' intervals in advance of flagger station as shown.
8. Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
9. When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
10. An optional C29 (CA) sign may be placed below the C9A (CA) sign.
11. Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

TABLE 1

Approach Speed	Minimum D	Downgrade Minimum D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 and below	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785

* Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

T13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

Greg B. Edwards
No. C36386
Exp. 6-30-06
CIVIL
STATE OF CALIFORNIA

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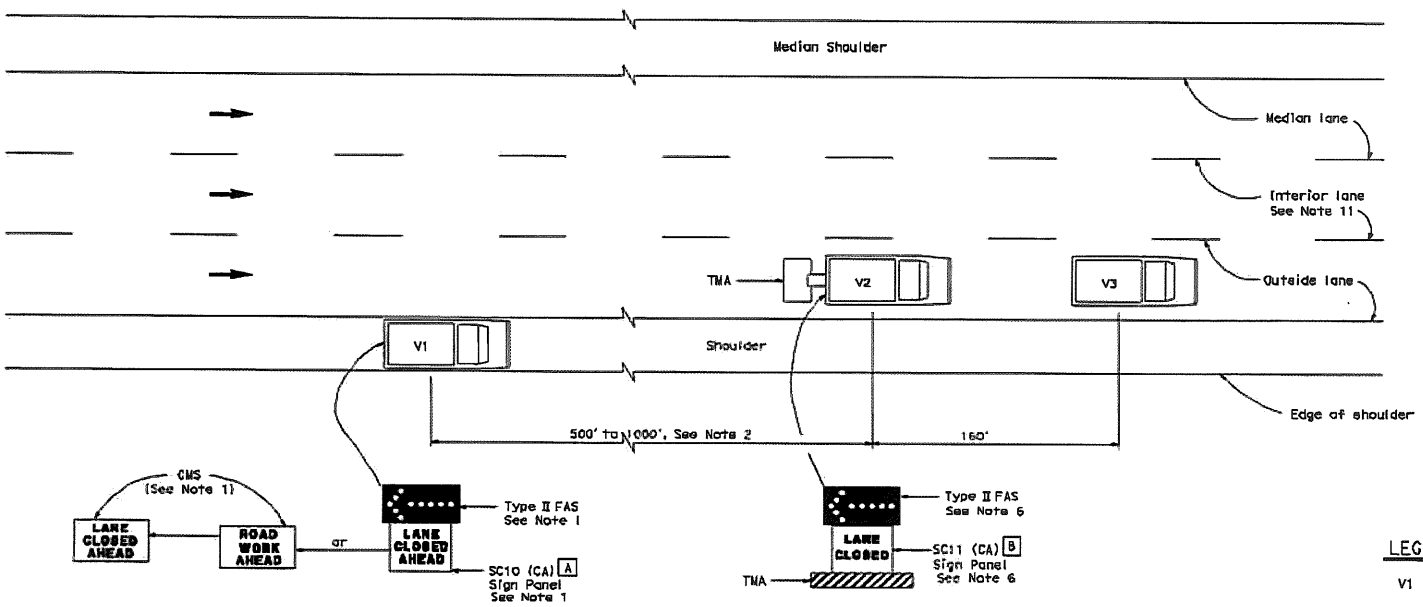

MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS

SIGN PANEL SIZE (Min)

A 66" x 36"

B 54" x 42"

LEGEND

V1	Sign Vehicle
V2	Shadow Vehicle
V3	Work/Application Vehicle
	Flashing Arrow Sign (FAS)
CMS	Changeable Message Sign
TMA	Truck-Mounted Attenuator
→	Direction of Travel

NOTES:

1. Either a changeable message sign or a SC10 (CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (CA) sign panel. A Type II flashing arrow sign will not be required with the changeable message sign provided the flashing arrow sign symbol is displayed on the changeable message sign board. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "LANE CLOSED AHEAD" message and then the flashing arrow sign symbol. For median lane closure, the flashing arrow symbol shall be reversed with the arrowhead on the right.
2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
3. A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.
4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500'.
5. Vehicle-mounted sign panels shall be Type III, IV, VII or IX retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with 6" minimum series B letters per Caltrans sign specifications.
6. Gross Vehicle Weight of shadow vehicle V2 shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.
7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
9. Where sufficient shoulder width is not available, sign vehicle V1 may encroach into the traffic lane staying as close to the edge of shoulder as practicable. Both V1 and V2 shall be equipped with a truck-mounted attenuator. The Gross Vehicle Weight of V1 and V2 shall be at least 20,000 pounds, respectively.
10. Where workers would be on foot in the work area, a stationary type lane closure (Standard Plan T10, T11, etc., as applicable) shall be used instead of this plan.
11. For moving lane closure on interior lane of multilane highways, use Standard Plan T16.
12. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required, and spacing between work vehicles shall be minimized in order to deter traffic from entering the closedlane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS

NO SCALE

T15

4-28-01

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

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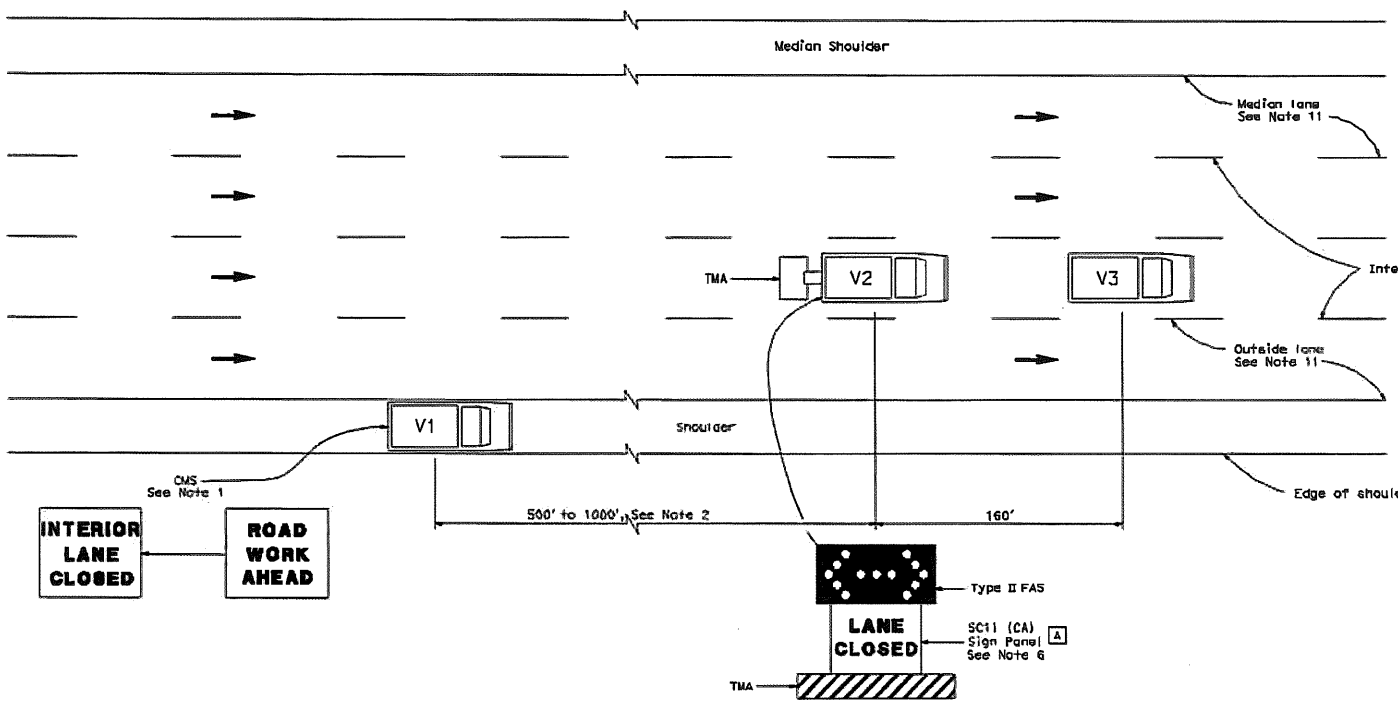

SIGN PANEL SIZE (Min)

A 54" x 42"

LEGEND

V1	Sign Vehicle
V2	Shadow Vehicle
V3	Work/Application Vehicle
	Flashing Arrow Sign (FAS) in flashing double arrow mode
CMS	Changeable Message Sign
TMA	Truck-Mounted Attenuator
→	Direction of Travel

MOVING LANE CLOSURE ON INTERIOR LANE OF MULTILANE HIGHWAYS

NOTES:

1. A changeable message sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "INTERIOR LANE CLOSED" message. The message "CENTER LANE CLOSED" may be used in place of the "INTERIOR LANE CLOSED" message.
2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
3. A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.
4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500'.
5. Vehicle-mounted sign panels shall be Type III, IV, VII, VIII, or IX retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
6. Gross Vehicle Weight of shadow vehicle V2 shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2.
7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
9. Where sufficient shoulder width is not available, sign vehicle V1 may encroach into the traffic lane staying as close to the edge of shoulder as practicable. Both V1 and V2 shall be equipped with a truck-mounted attenuator. The Gross Vehicle Weight of V1 and V2 shall be at least 20,000 pounds, respectively.
10. Where workers would be on foot in the work area, a stationary type lane closure (Standard Plan T10, T11 etc., as applicable) shall be used instead of this plan.
11. For moving lane closure on median lane or outside lane of multilane highways, use Standard Plan T15.
12. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required, and spacing between work vehicles shall be minimized in order to deter traffic from entering the closed lane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS

NO SCALE

T16

APPENDIX B

PROJECT NO. **S9558-06-01**

BORING NO. DP2

DATE DRILLED 11/9/10 WATER LEVEL (ATD) 7.5'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 3.5 INCHES**		
				Medium dense, moist, brown, Silty fine SAND with trace fine gravel		
2						
3		DP2 3-4'			SM	0.0
4				- increasing moisture		
5						
6						
7		DP2 7-8'		Medium dense, moist to saturated, dark brown, Silty SAND with trace clay and gravel up to 0.5 inch diameter		0.0
8						
9						
10						
11		DP2 11-12'		Medium dense, moist, brown, fine SAND with clay - no gravel, decreased moisture from above	SP-SC	0.0
12				Dense/very stiff, moist to saturated, brown with red mottling, Clayey SAND to Sandy CLAY with trace silt	CL/SC	
13		DP2 13-14'		- increasing density		0.2
14				REFUSAL AT 14 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP4

DATE DRILLED 11/10/10 WATER LEVEL (ATD) 10.8'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 3 INCHES** **AGGREGATE BASE - 9 INCHES** Medium dense to dense, moist, reddish-brown, Silty SAND with gravel	SM	
2						
3		DP4 3-4'		Dense, moist, reddish-brown to brown, Gravelly, Silty SAND	SM	0.0
4						
5						
6				Medium dense, moist, reddish-gray, Clayey SAND	SC	
7		DP4 7-8'				0.1
8						
9						
10				- moist to saturated		
11		DP4 11-12'		Dense, saturated, gray, poorly graded SAND with gravel	SP	0.0
12						
13						
14		DP4 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP6

DATE DRILLED 11/10/10 WATER LEVEL (ATD) 12.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				Dense, moist, dark brown to olive brown, Clayey SAND with gravel to Gravelly, Clayey SAND	SP-SC	
2						
3		DP6 3-4'				0.3
4						
5						
6						
7		DP6 7-8'		Medium dense, moist, light brown, fine SAND with clay		0.2
8						
9				- grades to dense, fine Clayey SAND		
10						
11						
12		DP6 11.5-12'		Dense, saturated, brown to reddish-brown, fine SAND	SP	0.5
13						
14		DP6 14-15'				0.1
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP7

DATE DRILLED 11/10/10 WATER LEVEL (ATD) 10.5'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES** Dense, moist, dark reddish-brown, Gravelly, Silty SAND	SM	
2						
3		DP7 3-4'				0.1
4						
5				Dense, moist, light brown with red mottling, fine Clayey SAND	SC	
6						
7		DP7 7-8'				0.0
8						
9				Medium dense, moist to saturated, reddish-gray with red mottling, fine Silty SAND	SM	
10						
11		DP7 11-12'				0.2
12						
13						
14						
15		DP7 15-16'				0.1
16				BORING TERMINATED AT 16 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP8

DATE DRILLED 11/10/10 WATER LEVEL (ATD) 11.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				AGGREGATE BASE - 8 INCHES		
2				Dense, moist, reddish-brown, Silty SAND with gravel	SM	
3		DP8 3-4'				0.1
4						
5						
6				Dense, moist, olive brown with red mottling, fine SAND with clay	SP-SC	
7		DP8 7-8'				0.2
8				Dense, moist to saturated, olive brown with red mottling, fine SAND	SP	
9						
10						
11		DP8 11-12'				0.3
12						
13		DP8 13-14'				0.1
14				REFUSAL AT 14 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP9

DATE DRILLED 11/30/10 WATER LEVEL (ATD) 10.4'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 5 INCHES**		
				ASPHALT GRINDINGS - 7 INCHES		
2				**AGGREGATE BASE - 18 INCHES**		
3		DP9 3-4'		dense, damp, dark reddish-brown, fine SAND	SP	0.0
4						
5						
6						
7		DP9 7-8'		- moist		0.0
8				- wet, trace sub-rounded, fine gravel		
9						
10						
11		DP9 11-12'		- grades coarser		0.0
12				Loose, saturated, fine Gravelly SAND	SM	
13						
14		DP9 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **JOHN PFEIFFER**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP10

DATE DRILLED 11/30/10 WATER LEVEL (ATD) 12.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 5 INCHES**		
				ASPHALT GRINDINGS - 7 INCHES		
2				**AGGREGATE BASE - 24 INCHES**		
3				Dense, damp, dark reddish-brown, fine SAND	SP	0.0
4						
5						
6				- moist		
7		DP10 7-8'				0.0
8						
9				Dense, moist, dark brown to dark reddish-brown, Sity SAND with some fine, sub-angular gravel	SM	
10				Dense, moist, brown, fine SAND	SP	
11		DP10 11-12'				0.0
12				- wet - saturated		
13						
14		DP10 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **JOHN PFEIFFER**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP11

DATE DRILLED 11/10/10 WATER LEVEL (ATD) 13.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
2				**AGGREGATE BASE - 20 INCHES**		
3		DP11 3-4'		Dense, moist, red, Gravelly SAND with silt	SP-SM	0.1
4						
5						
6				Medium dense to dense, moist, brown, fine to medium SAND	SP	
7		DP11 7-8'				0.2
8						
9				- increasing moisture		
10						
11		DP11 11-12'				0.3
12						
13						
14		DP11 14-15'				
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP12

DATE DRILLED 11/30/10 WATER LEVEL (ATD) 11.4'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 5 INCHES**		
				ASPHALT GRINDINGS - 13 INCHES		0.9
2				Medium dense, moist, dark brown, Silty fine to medium SAND with gravel up to 1 inch diameter	SM	
3		DP12 3-4'				0.0
4				Medium dense, moist, grayish-brown to brown, Gravelly SAND and Silty SAND	SP-SM	
5				Dense, moist, yellowish-brown with orange mottling, Clayey SAND	SC	
6						
7		DP12 7-8'				0.0
8						
9				Dense, moist, grayish-brown with orange mottling, Silty fine SAND with trace clay and fine gravel	SM	
10						
11		DP12 11-12'				0.0
12				Medium dense, wet, gray, fine to medium SAND	SP	
13						
14		DP12 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **JOHN PFEIFFER**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP13

DATE DRILLED 11/11/10 WATER LEVEL (ATD) 10.4'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 6 INCHES**		
				AGGREGATE BASE - 18 INCHES - very dense		
2				Medium dense to dense, moist, gray to reddish-brown, SAND	SP	
3		DP13 3-4'				0.0
4				Dense, moist, light brown with red mottling, Clayey SAND	SC	
5						
6						
7		DP13 7-8'				0.0
8				Medium dense, moist to saturated, reddish-brown to gray, fine Silty SAND - strong hydrocarbon odor	SP-SM	
9						
10						
11		DP13 11-12'				53.3
12				Dense, saturated, gray, coarse SAND - hydrocarbon odor	SP	
13						
14		DP13 14-15'				7.4
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP14

DATE DRILLED 11/10/10 WATER LEVEL (ATD) 8.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 5 INCHES** **AGGREGATE BASE - 13 INCHES**		
2				Dense, moist, reddish-brown, SAND	SP	
3		DP14 3-4'				0.0
4						
5				Very dense, moist, olive-brown with red mottling, Clayey, Gravelly SAND	SP-SC	
6						
7		DP14 7-8'				0.0
8				Dense, very moist, gray, medium to coarse SAND - hydrocarbon odor	SP	
9						
10						
11		DP14 11-12'				43.2
12				- saturated		
13						
14		DP14 14-15'				7.1
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP16

DATE DRILLED 11/11/10 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 3 INCHES**		
				AGGREGATE BASE - 9 INCHES		
2				Dense, moist, reddish-brown, Clayey SAND	SC	
				- grades to SP		
3		DP16 3-4'				0.0
4				Medium dense, moist, brown with red mottling, fine to medium SAND with trace silt	SP	
5						
6						
7		DP16 7-8'				0.0
8				Dense, moist to saturated, light brown with red mottling, Silty fine SAND	SM	
9						
10						
11		DP16 11-12'				0.0
12						
13						
14		DP16 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP19

DATE DRILLED 11/12/10 WATER LEVEL (ATD) 13.5'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES** **AGGREGATE BASE - 14 INCHES**		
2				Medium dense, moist, dark brown, Gravelly SAND with clay	SP-SC	
3		DP19 3-4'				0.0
4						
5				Medium dense, moist, reddish-brown, medium SAND	SP	
6						
7		DP19 7-8'				0.0
8						
9				- light brown to reddish-brown mottling		
10						
11		DP19 11-12'				0.0
12						
13						
14		DP19 14-15'		Medium dense, moist, light brown with red mottling, SAND with clay	SP-SC	0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP20

DATE DRILLED 11/11/10 WATER LEVEL (ATD) 10.5'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				AGGREGATE BASE - 8 INCHES		
2				Dense, moist, reddish-gray, Gravelly SAND with clay	SP-SC	
3		DP20 3-4'				0.0
4						
5						
6				Dense, moist, yellowish-brown with red mottling, fine to medium SAND with trace gravel	SP	
7		DP20 7-8'				0.0
8						
9				- saturated, reddish-brown to gray		
10						
11		DP20 11-12'				0.0
12						
13						
14		DP20 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP21

DATE DRILLED 11/12/10 WATER LEVEL (ATD) 12.5'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				AGGREGATE BASE - 8 INCHES		
2				Dense, moist, light brown with red mottling, Gravelly, Clayey SAND	SC	
3		DP21 3-4'				0.0
4						
5						
6						
7		DP21 7-8'				0.0
8				Stiff/dense, moist, light brown with red mottling, Sandy CLAY to Clayey SAND	SC-CL	
9						
10						
11						
12						
13		DP21 12.5-13.5'		Very dense, saturated, reddish-brown, coarse SAND	SP	0.0
				REFUSAL AT 13.5 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP22

DATE DRILLED 11/11/10 WATER LEVEL (ATD) _____

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 6 INCHES**		
				AGGREGATE BASE - 12 INCHES		
2				Very dense, moist, gray to dark reddish-brown, Gravelly SAND with clay	SP-SC	
3		DP22 3-4'				0.0
4				Medium dense, moist, light brown to yellowish-brown, Clayey SAND with trace gravel	SC	
5						
6						
7		DP22 7-8'				0.0
8						
9				Very dense, moist, yellowish-brown, fine Clayey SAND		
10						
11		DP22 11-12'				0.0
12				REFUSAL AT 12 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

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PROJECT NO. **S9558-06-01**

BORING NO. DP23

DATE DRILLED 11/11/10 WATER LEVEL (ATD) _____

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				Dense, moist, olive-brown, Gravelly SAND with silt	SP-SM	
2						
3		DP23 3-4'				0.4
4				Dense, moist, reddish-gray, Clayey SAND with gravel	SC	
5						
6						
7		DP23 7-8'				0.6
8						
9				Dense, moist, brown, SAND with gravel	SP	
10						
11		DP23 11-12'				0.0
12				- reddish-brown		
13						
14		DP23 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP24

DATE DRILLED 11/11/10 WATER LEVEL (ATD) 7.5'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 6 INCHES**		
				AGRREGATE BASE - 12 INCHES		
2				Dense, moist, olive-brown, Gravelly SAND with clay	SP-SC	
3		DP24 3-4'				0.2
4						
5						
6				- increasing moisture		
7		DP24 7-8'				0.2
8				Medium dense to dense, saturated, yellowish-brown, coarse SAND	SP	
9						
10						
11		DP24 11-12'				0.3
12				- medium to coarse		
13						
14		DP24 14-15'				0.0
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING-1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

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PROJECT NO. **S9558-06-01**

BORING NO. DP25

DATE DRILLED 11/12/10 WATER LEVEL (ATD) 13.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				AGGREGATE BASE - 8 INCHES		
2				Medium dense, moist, reddish-gray, Gravelly, Clayey SAND	SP-SC	
3		DP25 3-4'				0.0
4				Medium dense, moist, reddish-brown, fine SAND with trace silt	SP-SM	
5						
6						
7		DP25 7-8'				0.0
8						
9				- light brown		
10						
11		DP25 11-12'				0.0
12				Medium dense, moist to saturated, mottled light brown to red, Silty fine SAND		
13						
14		DP25 14-15'				
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP26

DATE DRILLED 11/12/10 WATER LEVEL (ATD) _____

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				Very dense, moist, reddish-gray, Clayey, Gravelly SAND	SC	
2						
3		DP26 3-4'				0.0
4				REFUSAL AT 4 FEET		
				MOVED RIG 6 FEET EAST - REFUSAL AT 2 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

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PROJECT NO. **S9558-06-01**

BORING NO. DP27

DATE DRILLED 11/9/10 WATER LEVEL (ATD) 11.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 4 INCHES**		
				Medium dense, slightly moist, reddish-brown, Silty SAND	SM	
2						
3		DP27 3-4'				0.4
4						
5						
6				Medium dense to dense, moist, reddish-brown to olive-gray, SAND with silt and trace gravel	SP-SM	
7		DP27 7-8'				0.0
8						
9						
10				- moist to saturated		
11		DP27 11-12'				0.3
12						
13						
14		DP27 14-15'				0.3
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP28

DATE DRILLED 11/9/10 WATER LEVEL (ATD) 11.0'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 3 INCHES**		
				AGGREGATE BASE - 9 INCHES		
2				Medium dense, moist, reddish-brown, Silty SAND with gravel	SM	
3		DP28 3-4'				0.4
4						
5				Medium dense, moist, reddish-brown to light brown, fine SAND with silt	SP	
6						
7		DP28 7-8'				0.4
8						
9						
10						
11		DP28 11-12'		Dense, moist, olive-brown, coarse SAND with silt and trace gravel		0.6
12				- increasing moisture		
13						
14		DP28 14-15'				0.3
15				BORING TERMINATED AT 15 FEET		

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9558-06-01**

BORING NO. DP35

DATE DRILLED 11/12/10 WATER LEVEL (ATD) 8.5'

EQUIPMENT GEOPROBE DRILLER GEOCON

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**ASPHALT - 6 INCHES**		
				AGGREGATE BASE - 12 INCHES - very dense		
2				Dense, moist, reddish-brown, Gravelly SAND	SP	
3		DP35 3-4'				0.0
4						
5						
6						
7		DP35 7-8'		Dense, moist to saturated, reddish-brown with light brown mottling, SAND with clay to Clayey SAND	SP-SC	0.0
8						
9				Dense, saturated, gray, Silty SAND to fine SAND with silt	SP-SM	
10						
11		DP35 11-12'				>1,200
12				Dense, saturated, gray, coarse SAND - strong hydrocarbon odor	SP	
13						
14		DP35 14-15'				47.5
15				BORING TERMINATED AT 15 FEET		

Log of Boring DP35, page 1 of 1

ENV_NO_WELL BORING~1.GPJ 12/29/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **KIERSTEN BRIGGS**

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APPENDIX C

KIFF Analytical LLC

Report Number : 75367
Date : 11/18/2010

Laboratory Results

Jeremy Zorne
Geocon Consultants, Inc.
3160 Gold Valley Road, Suite 800
Rancho Cordova, CA 95742

Subject : 3 Water Samples
Project Name : Kings Beach Commercial Core
Project Number : S9558-06-01

Dear Mr. Zorne,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 75367
Date : 11/18/2010

Subject : 3 Water Samples
Project Name : Kings Beach Commercial Core
Project Number : S9558-06-01

Case Narrative

Sample DP-14 was analyzed by EPA Method 8260B using bottles that contained headspace bubbles greater than 1/4 inch in diameter.

KIFF Analytical LLC

Report Number : 75367
Date : 11/18/2010

Project Name : **Kings Beach Commercial Core**
Project Number : **S9558-06-01**

Sample : **DP-14** Matrix : Water Lab Number : 75367-02
Sample Date :11/10/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Gasoline	**13000**	1000	ug/L	EPA 8260B	11/16/10 12:10
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	11/16/10 12:10
TPH as Diesel	**3800**	50	ug/L	M EPA 8015	11/16/10 12:40
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
TPH as Motor Oil	**1500**	100	ug/L	M EPA 8015	11/16/10 12:40
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	11/16/10 12:40

KIFF Analytical LLC

Report Number : 75367
Date : 11/18/2010

Project Name : **Kings Beach Commercial Core**
Project Number : **S9558-06-01**

Sample : **DP-13** Matrix : Water Lab Number : 75367-04
Sample Date :11/11/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Gasoline	**8400**	1000	ug/L	EPA 8260B	11/16/10 13:18
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/16/10 13:18
TPH as Diesel	**2500**	50	ug/L	M EPA 8015	11/16/10 13:15
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
TPH as Motor Oil	**290**	100	ug/L	M EPA 8015	11/16/10 13:15
Octacosane (Diesel Surrogate)	98.2		% Recovery	M EPA 8015	11/16/10 13:15

KIFF Analytical LLC

Report Number : 75367
Date : 11/18/2010

Project Name : **Kings Beach Commercial Core**
Project Number : **S9558-06-01**

Sample : **DP-35** Matrix : Water Lab Number : 75367-05
Sample Date :11/12/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Gasoline	**6300**	1000	ug/L	EPA 8260B	11/16/10 13:53
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	11/16/10 13:53
TPH as Diesel	**5500**	50	ug/L	M EPA 8015	11/16/10 15:01
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
TPH as Motor Oil	**2600**	100	ug/L	M EPA 8015	11/16/10 15:01
Octacosane (Diesel Surrogate)	90.7		% Recovery	M EPA 8015	11/16/10 15:01

Report Number : 75367

Date : 11/18/2010

QC Report : Method Blank Data

Project Name : **Kings Beach Commercial Core**

Project Number : **S9558-06-01**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	11/16/2010
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	11/16/2010
Octacosane (Diesel Surrogate)	91.6		%	M EPA 8015	11/16/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/16/2010
Toluene - d8 (Surr)	100		%	EPA 8260B	11/16/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 75367

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/18/2010

Project Name : **Kings Beach Commercial Core**

Project Number : **S9558-06-01**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel														
	BLANK	<50	1000	1000	1170	1030	ug/L	M EPA 8015	11/16/10	117	103	13.0	70-130	25
Toluene														
	75368-14	0.27	40.0	39.8	40.3	39.8	ug/L	EPA 8260B	11/16/10	100	99.3	0.851	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Project Name : **Kings Beach Commercial Core**

Project Number : **S9558-06-01**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	11/16/10	99.2	80-120

KIFF ANALYTICAL, LLC
2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 75367

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Jeremy Zorne	California EDF Report? ☑ Yes ☐ No
Company / Address: 3160 Gold Valley Drive, Suite 800, Rancho Cordova, CA 95742	Sampling Company Log Code:
Phone Number: 916-852-9118	Global ID:
Fax Number: 916-852-9132	EDF Deliverable To (Email Address): zorne@geoconinc.com
Project #: S9558-06-01 / P.O. #:	Bill to:
Project Name: Kings Beach Commercial Core	Sampler Print Name: Kiersten Briggs
	Sampler Signature:

Project Address: Kings Beach, CA

Sample Designation	Date	Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)					For Lab Use Only
DP-28	11/9/10	1145	X					X			X												X	X						Hold				01
DP-14 ✓	11/10/10	1620	X					X			X					X							X	X										02
DP-20	11/11/10	1300	X					X			X																			Hold				03
DP-13 ✓	11/11/10	1600	X					X			X					X							X	X										04
DP-35 ✓	11/12/10	1445	X					X			X					X							X	X										05

Relinquished by:	Date	Time	Received by:
Kiersten Briggs	11/12/10	1510	
Relinquished by:	Date	Time	Received by:
	11/12/10	1850	Geocon Cold Storage
Relinquished by:	Date	Time	Received by Laboratory:
	11/15/10	1332	KIFF Analytical LLC

Remarks:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 061708

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: TJB (Initials)

SRG#: 75367 Date: 111510

Project ID: Kings Beach Commercial Core

Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipper

COC Inspection

Is COC present?	☒ Yes	☐ No		
Custody seals on shipping container?	☐ Intact	☐ Broken	☐ Not present	☒ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No	Dated? ☒ Yes	☐ No		
Is sampler name legibly indicated on COC?	☒ Yes	☐ No		
Is analysis or hold requested for all samples	☒ Yes	☐ No		
Is the turnaround time indicated on COC?	☒ Yes	☐ No		
Is COC free of whiteout and uninitialed cross-outs?	☒ Yes	☐ No, Whiteout	☐ No, Cross-outs	

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 0.9 Therm. ID# IR-2 Initial TJB Date/Time 111510/1328 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present	
Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s)	☐ No, Extra sample(s) present			
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No		
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No		
Are preservatives indicated? ☒ Yes, on sample containers	☒ Yes, on COC	☐ Not indicated	☐ N/A	
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A	
Are samples within holding time for analyses requested?	☒ Yes	☐ No		
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No		
Is there sufficient sample to perform testing?	☒ Yes	☐ No		

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix WA	Container type VOA	# of containers received 25
Matrix	Container type	# of containers received
Matrix	Container type	# of containers received

Date and Time Sample Put into Temp Storage Date: 111510 Time: 1332

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	

COMMENTS: Sediment is present in all VOA vials. Bubbles are present in sample -02 (all containers). TJB 111510

O:\old_ed\samprec\Forms\Sample Receipt Checklist rev 051409.doc

November 30, 2010

Jeremy Zorne
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

Workorder No.: 114749

RE: Kings Beach Commercial Core, S9558-06-01

Attention: Jeremy Zorne

Enclosed are the results for sample(s) received on November 16, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Kings Beach Commercial Core, S9558-06-01
Lab Order: 114749

CASE NARRATIVE

Sample Receiving / General Comments

Samples DP-2 12-14', DP-27 14-15' and DP-6 11-12' were listed in the Chain of Custody (COC) but were not received by the laboratory. The client was notified on 11/16/10 and instructed the laboratory to disregard these samples.

Analytical Comments for Method 8015 (DRO/ORO)

Dilution was necessary for samples 114749-017A, 114749-056A, 114749-060A and 114749-073A, due to sample matrix.

Surrogate recovery was diluted out for samples 114749-017A, 114749-056A, 114749-060A, 114749-060ADUP, 114749-060AMS, 114749-060AMSD and 114749-073A and biased low for sample 114749-027AMSD.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 114749-060AMS and 114749-060AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 114726-010ADUP, 114749-027ADUP, 114749-027AMSD, 114749-060ADUP and 114749-060AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8015 (GRO)

Surrogate recovery biased high for sample 114749-058A, possibly due to matrix interferences.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-4 7-8'
Lab Order:	114749	**Collection Date:**	11/10/2010 9:40:00 AM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-014A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3550B			**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	4.2	1.0		mg/Kg	1	11/19/2010 07:16 PM
ORO	10	1.0		mg/Kg	1	11/19/2010 07:16 PM
Surr: p-Terphenyl	64.5	30-128		%REC	1	11/19/2010 07:16 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
	EPA 3550B			**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/25/2010 11:55 AM
ORO	1.3	1.0		mg/Kg	1	11/25/2010 11:55 AM
Surr: p-Terphenyl	43.6	30-128		%REC	1	11/25/2010 11:55 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 08:18 PM
Surr: Bromofluorobenzene (FID)	103	56-137		%REC	1	11/16/2010 08:18 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 05:13 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 05:13 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 05:13 PM
Surr: 1,2-Dichloroethane-d4	75.7	70-130		%REC	1	11/17/2010 05:13 PM
Surr: 4-Bromofluorobenzene	90.7	70-130		%REC	1	11/17/2010 05:13 PM
Surr: Dibromofluoromethane	87.2	70-130		%REC	1	11/17/2010 05:13 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/17/2010 05:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-6 3-4'
Lab Order:	114749	**Collection Date:**	11/10/2010 10:30:00 AM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-017A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	580	20		mg/Kg	20	11/22/2010 10:04 AM
ORO	890	20		mg/Kg	20	11/22/2010 10:04 AM
Surr: p-Terphenyl	0	30-128	SDO	%REC	20	11/22/2010 10:04 AM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	44	1.0		mg/Kg	1	11/26/2010 01:03 AM
ORO	100	1.0		mg/Kg	1	11/26/2010 01:03 AM
Surr: p-Terphenyl	44.1	30-128		%REC	1	11/26/2010 01:03 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 08:32 PM
Surr: Bromofluorobenzene (FID)	111	56-137		%REC	1	11/16/2010 08:32 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 05:35 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 05:35 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 05:35 PM
Surr: 1,2-Dichloroethane-d4	84.4	70-130		%REC	1	11/17/2010 05:35 PM
Surr: 4-Bromofluorobenzene	94.2	70-130		%REC	1	11/17/2010 05:35 PM
Surr: Dibromofluoromethane	92.4	70-130		%REC	1	11/17/2010 05:35 PM
Surr: Toluene-d8	98.2	70-130		%REC	1	11/17/2010 05:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-8 11-12'
Lab Order:	114749	**Collection Date:**	11/10/2010 2:00:00 PM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	1.0	1.0		mg/Kg	1	11/19/2010 06:57 PM
ORO	ND	1.0		mg/Kg	1	11/19/2010 06:57 PM
Surr: p-Terphenyl	72.5	30-128		%REC	1	11/19/2010 06:57 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/25/2010 11:06 AM
ORO	ND	1.0		mg/Kg	1	11/25/2010 11:06 AM
Surr: p-Terphenyl	65.8	30-128		%REC	1	11/25/2010 11:06 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 08:47 PM
Surr: Bromofluorobenzene (FID)	105	56-137		%REC	1	11/16/2010 08:47 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 05:57 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 05:57 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 05:57 PM
Surr: 1,2-Dichloroethane-d4	82.6	70-130		%REC	1	11/17/2010 05:57 PM
Surr: 4-Bromofluorobenzene	94.0	70-130		%REC	1	11/17/2010 05:57 PM
Surr: Dibromofluoromethane	94.1	70-130		%REC	1	11/17/2010 05:57 PM
Surr: Toluene-d8	102	70-130		%REC	1	11/17/2010 05:57 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-14 7-8'
Lab Order:	114749	**Collection Date:**	11/10/2010 3:50:00 PM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-034A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/19/2010 06:21 PM
ORO	ND	1.0		mg/Kg	1	11/19/2010 06:21 PM
Surr: p-Terphenyl	56.7	30-128		%REC	1	11/19/2010 06:21 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 09:02 PM
Surr: Bromofluorobenzene (FID)	111	56-137		%REC	1	11/16/2010 09:02 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 06:18 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 06:18 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 06:18 PM
Surr: 1,2-Dichloroethane-d4	87.3	70-130		%REC	1	11/17/2010 06:18 PM
Surr: 4-Bromofluorobenzene	92.5	70-130		%REC	1	11/17/2010 06:18 PM
Surr: Dibromofluoromethane	93.2	70-130		%REC	1	11/17/2010 06:18 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/17/2010 06:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP-14 11-12'
Lab Order: 114749 **Collection Date:** 11/10/2010 4:05:00 PM
Project: Kings Beach Commercial Core, S9558-06-01 **Matrix:** SOIL
Lab ID: 114749-035A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/19/2010 05:47 PM
ORO	ND	1.0		mg/Kg	1	11/19/2010 05:47 PM
Surr: p-Terphenyl	78.0	30-128		%REC	1	11/19/2010 05:47 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 09:16 PM
Surr: Bromofluorobenzene (FID)	116	56-137		%REC	1	11/16/2010 09:16 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 06:40 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 06:40 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 06:40 PM
Ethylbenzene	15	5.0		µg/Kg	1	11/17/2010 06:40 PM
m,p-Xylene	22	10		µg/Kg	1	11/17/2010 06:40 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 06:40 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 06:40 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 06:40 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 06:40 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 06:40 PM
Surr: 1,2-Dichloroethane-d4	80.8	70-130		%REC	1	11/17/2010 06:40 PM
Surr: 4-Bromofluorobenzene	93.8	70-130		%REC	1	11/17/2010 06:40 PM
Surr: Dibromofluoromethane	89.0	70-130		%REC	1	11/17/2010 06:40 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/17/2010 06:40 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-24 7-8'
Lab Order:	114749	**Collection Date:**	11/11/2010 9:20:00 AM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-038A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/19/2010 05:59 PM
ORO	ND	1.0		mg/Kg	1	11/19/2010 05:59 PM
Surr: p-Terphenyl	61.9	30-128		%REC	1	11/19/2010 05:59 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 09:31 PM
Surr: Bromofluorobenzene (FID)	99.8	56-137		%REC	1	11/16/2010 09:31 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 07:02 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 07:02 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 07:02 PM
Surr: 1,2-Dichloroethane-d4	81.2	70-130		%REC	1	11/17/2010 07:02 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%REC	1	11/17/2010 07:02 PM
Surr: Dibromofluoromethane	92.1	70-130		%REC	1	11/17/2010 07:02 PM
Surr: Toluene-d8	98.6	70-130		%REC	1	11/17/2010 07:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-23 3-4'
Lab Order:	114749	**Collection Date:**	11/11/2010 10:15:00 AM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-041A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/19/2010 07:07 PM
ORO	3.8	1.0		mg/Kg	1	11/19/2010 07:07 PM
Surr: p-Terphenyl	83.2	30-128		%REC	1	11/19/2010 07:07 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/26/2010 12:44 PM
ORO	2.5	1.0		mg/Kg	1	11/26/2010 12:44 PM
Surr: p-Terphenyl	45.5	30-128		%REC	1	11/26/2010 12:44 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101117A	QC Batch: E10VS362			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/17/2010 12:23 PM
Surr: Bromofluorobenzene (FID)	100	56-137		%REC	1	11/17/2010 12:23 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 07:23 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 07:23 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 07:23 PM
Surr: 1,2-Dichloroethane-d4	85.2	70-130		%REC	1	11/17/2010 07:23 PM
Surr: 4-Bromofluorobenzene	96.7	70-130		%REC	1	11/17/2010 07:23 PM
Surr: Dibromofluoromethane	94.0	70-130		%REC	1	11/17/2010 07:23 PM
Surr: Toluene-d8	99.0	70-130		%REC	1	11/17/2010 07:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-13 3-4'
Lab Order:	114749	**Collection Date:**	11/11/2010 3:25:00 PM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-056A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	320	40		mg/Kg	10	11/19/2010 08:12 PM
ORO	1400	40		mg/Kg	10	11/19/2010 08:12 PM
Surr: p-Terphenyl	0	30-128	SDO	%REC	10	11/19/2010 08:12 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/25/2010 11:26 AM
ORO	ND	1.0		mg/Kg	1	11/25/2010 11:26 AM
Surr: p-Terphenyl	55.4	30-128		%REC	1	11/25/2010 11:26 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 10:00 PM
Surr: Bromofluorobenzene (FID)	107	56-137		%REC	1	11/16/2010 10:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 07:45 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 07:45 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 07:45 PM
Surr: 1,2-Dichloroethane-d4	84.9	70-130		%REC	1	11/17/2010 07:45 PM
Surr: 4-Bromofluorobenzene	95.5	70-130		%REC	1	11/17/2010 07:45 PM
Surr: Dibromofluoromethane	89.3	70-130		%REC	1	11/17/2010 07:45 PM
Surr: Toluene-d8	102	70-130		%REC	1	11/17/2010 07:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-13 11-12'
Lab Order:	114749	**Collection Date:**	11/11/2010 3:35:00 PM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-058A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/19/2010 06:12 PM
ORO	ND	1.0		mg/Kg	1	11/19/2010 06:12 PM
Surr: p-Terphenyl	39.8	30-128		%REC	1	11/19/2010 06:12 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	4.4	1.0		mg/Kg	1	11/16/2010 10:15 PM
Surr: Bromofluorobenzene (FID)	191	56-137	S	%REC	1	11/16/2010 10:15 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 08:07 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 08:07 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 08:07 PM
Ethylbenzene	90	5.0		µg/Kg	1	11/17/2010 08:07 PM
m,p-Xylene	330	10		µg/Kg	1	11/17/2010 08:07 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 08:07 PM
o-Xylene	82	5.0		µg/Kg	1	11/17/2010 08:07 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 08:07 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 08:07 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 08:07 PM
Surr: 1,2-Dichloroethane-d4	77.6	70-130		%REC	1	11/17/2010 08:07 PM
Surr: 4-Bromofluorobenzene	102	70-130		%REC	1	11/17/2010 08:07 PM
Surr: Dibromofluoromethane	88.9	70-130		%REC	1	11/17/2010 08:07 PM
Surr: Toluene-d8	104	70-130		%REC	1	11/17/2010 08:07 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-25 3-4'
Lab Order:	114749	**Collection Date:**	11/12/2010 8:25:00 AM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-060A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119C	QC Batch: 68270			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	190	40		mg/Kg	10	11/19/2010 08:21 PM
ORO	930	40		mg/Kg	10	11/19/2010 08:21 PM
Surr: p-Terphenyl	0	30-128	SDO	%REC	10	11/19/2010 08:21 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	25	1.0		mg/Kg	1	11/26/2010 01:13 AM
ORO	68	1.0		mg/Kg	1	11/26/2010 01:13 AM
Surr: p-Terphenyl	44.4	30-128		%REC	1	11/26/2010 01:13 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101116B	QC Batch: E10VS361			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/16/2010 10:29 PM
Surr: Bromofluorobenzene (FID)	106	56-137		%REC	1	11/16/2010 10:29 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101117A	QC Batch: T10VS227			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
m,p-Xylene	ND	10		µg/Kg	1	11/17/2010 08:28 PM
MTBE	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
o-Xylene	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
Tert-Butanol	ND	100		µg/Kg	1	11/17/2010 08:28 PM
Toluene	ND	5.0		µg/Kg	1	11/17/2010 08:28 PM
Surr: 1,2-Dichloroethane-d4	88.0	70-130		%REC	1	11/17/2010 08:28 PM
Surr: 4-Bromofluorobenzene	99.6	70-130		%REC	1	11/17/2010 08:28 PM
Surr: Dibromofluoromethane	95.6	70-130		%REC	1	11/17/2010 08:28 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/17/2010 08:28 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-21 3-4'
Lab Order:	114749	**Collection Date:**	11/12/2010 11:20:00 AM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-068A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119D	QC Batch: 68271			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	4.2	1.0		mg/Kg	1	11/19/2010 07:25 PM
ORO	15	1.0		mg/Kg	1	11/19/2010 07:25 PM
Surr: p-Terphenyl	55.8	30-128		%REC	1	11/19/2010 07:25 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	11/26/2010 12:14 PM
ORO	1.6	1.0		mg/Kg	1	11/26/2010 12:14 PM
Surr: p-Terphenyl	55.5	30-128		%REC	1	11/26/2010 12:14 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101117A	QC Batch: E10VS362			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/17/2010 12:37 PM
Surr: Bromofluorobenzene (FID)	118	56-137		%REC	1	11/17/2010 12:37 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101118A	QC Batch: T10VS228			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
m,p-Xylene	ND	10		µg/Kg	1	11/18/2010 01:22 PM
MTBE	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
o-Xylene	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
Tert-Butanol	ND	100		µg/Kg	1	11/18/2010 01:22 PM
Toluene	ND	5.0		µg/Kg	1	11/18/2010 01:22 PM
Surr: 1,2-Dichloroethane-d4	86.8	70-130		%REC	1	11/18/2010 01:22 PM
Surr: 4-Bromofluorobenzene	102	70-130		%REC	1	11/18/2010 01:22 PM
Surr: Dibromofluoromethane	94.7	70-130		%REC	1	11/18/2010 01:22 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/18/2010 01:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-35 3-4'
Lab Order:	114749	**Collection Date:**	11/12/2010 2:05:00 PM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-073A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119D	QC Batch: 68271			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	190	10		mg/Kg	10	11/19/2010 09:19 PM
ORO	750	10		mg/Kg	10	11/19/2010 09:19 PM
Surr: p-Terphenyl	0	30-128	SDO	%REC	10	11/19/2010 09:19 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101125A	QC Batch: 68441			PrepDate: 11/24/2010		Analyst: **CBR**
DRO	94	10		mg/Kg	10	11/26/2010 10:56 AM
ORO	270	10		mg/Kg	10	11/26/2010 10:56 AM
Surr: p-Terphenyl	0	30-128	SDO	%REC	10	11/26/2010 10:56 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101117A	QC Batch: E10VS362			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/17/2010 12:52 PM
Surr: Bromofluorobenzene (FID)	117	56-137		%REC	1	11/17/2010 12:52 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101118A	QC Batch: T10VS228			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
m,p-Xylene	ND	10		µg/Kg	1	11/18/2010 01:45 PM
MTBE	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
o-Xylene	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
Tert-Butanol	ND	100		µg/Kg	1	11/18/2010 01:45 PM
Toluene	ND	5.0		µg/Kg	1	11/18/2010 01:45 PM
Surr: 1,2-Dichloroethane-d4	85.4	70-130		%REC	1	11/18/2010 01:45 PM
Surr: 4-Bromofluorobenzene	96.0	70-130		%REC	1	11/18/2010 01:45 PM
Surr: Dibromofluoromethane	92.2	70-130		%REC	1	11/18/2010 01:45 PM
Surr: Toluene-d8	102	70-130		%REC	1	11/18/2010 01:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	DP-35 11-12'
Lab Order:	114749	**Collection Date:**	11/12/2010 2:20:00 PM
Project:	Kings Beach Commercial Core, S9558-06-01	**Matrix:**	SOIL
Lab ID:	114749-075A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101119D	QC Batch: 68271			PrepDate: 11/19/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	11/19/2010 06:48 PM
ORO	ND	1.0		mg/Kg	1	11/19/2010 06:48 PM
Surr: p-Terphenyl	66.7	30-128		%REC	1	11/19/2010 06:48 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_101117A	QC Batch: E10VS362			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	11/17/2010 01:07 PM
Surr: Bromofluorobenzene (FID)	115	56-137		%REC	1	11/17/2010 01:07 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS5_101118A	QC Batch: T10VS228			PrepDate:		Analyst: **BD**
Benzene	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
m,p-Xylene	ND	10		µg/Kg	1	11/18/2010 02:06 PM
MTBE	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
o-Xylene	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
Tert-Butanol	ND	100		µg/Kg	1	11/18/2010 02:06 PM
Toluene	ND	5.0		µg/Kg	1	11/18/2010 02:06 PM
Surr: 1,2-Dichloroethane-d4	87.5	70-130		%REC	1	11/18/2010 02:06 PM
Surr: 4-Bromofluorobenzene	96.9	70-130		%REC	1	11/18/2010 02:06 PM
Surr: Dibromofluoromethane	96.6	70-130		%REC	1	11/18/2010 02:06 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/18/2010 02:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-68270**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126977**
Client ID: **PBS**	Batch ID: **68270**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048595**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.006		2.670		75.1	30	128				

Sample ID: **LCS-68270**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126977**
Client ID: **LCSS**	Batch ID: **68270**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048596**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	16.399	1.0	33.00	0	49.7	35	118				
Surr: p-Terphenyl	1.848		2.670		69.2	30	128				

Sample ID: **114749-060AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126977**
Client ID: **DP-25 3-4'**	Batch ID: **68270**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	40	33.00	189.0	-573	25	129				S
Surr: p-Terphenyl	0		2.670		0	30	128				SDO

Sample ID: **114749-060AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126977**
Client ID: **DP-25 3-4'**	Batch ID: **68270**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	108.840	40	33.00	189.0	-243	25	129	0	200	20	SR
Surr: p-Terphenyl	0		2.670		0	30	128		0	0	SDO

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **114749-060ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **11/19/2010** RunNo: **126977**
Client ID: **DP-25 3-4'** Batch ID: **68270** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **11/22/2010** SeqNo: **2048632**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	360.560	20						189.0	62.4	20	R
ORO	1101.287	20						931.4	16.7	20	
Surr: p-Terphenyl	0		2.670		0	30	128		0	0	SDO

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-68271**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126978**
Client ID: **PBS**	Batch ID: **68271**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	1.801		2.670		67.5	30	128				

Sample ID: **LCS-68271**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126978**
Client ID: **LCSS**	Batch ID: **68271**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048611**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	21.005	1.0	33.00	0	63.7	35	118				
Surr: p-Terphenyl	1.884		2.670		70.6	30	128				

Sample ID: **114749-068AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126978**
Client ID: **DP-21 3-4'**	Batch ID: **68271**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048615**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	33.107	1.0	33.00	4.233	87.5	25	129				
Surr: p-Terphenyl	2.279		2.670		85.4	30	128				

Sample ID: **114749-068AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126978**
Client ID: **DP-21 3-4'**	Batch ID: **68271**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	34.252	1.0	33.00	4.233	91.0	25	129	33.11	3.40	20	
Surr: p-Terphenyl	1.998		2.670		74.8	30	128		0	0	

Sample ID: **114726-010ADUP**	SampType: **DUP**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **11/19/2010**	RunNo: **126978**
Client ID: **ZZZZZZ**	Batch ID: **68271**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **11/19/2010**	SeqNo: **2048618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **114726-010ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **11/19/2010** RunNo: **126978**
Client ID: **ZZZZZZ** Batch ID: **68271** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **11/19/2010** SeqNo: **2048618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	20.460	1.0						15.49	27.7	20	R
ORO	98.567	1.0						62.86	44.2	20	R
Surr: p-Terphenyl	1.754		2.670		65.7	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LLSGT

Sample ID: **MB-68441** SampType: **MBLK** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **11/24/2010** RunNo: **127143**
Client ID: **PBS** Batch ID: **68441** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **11/25/2010** SeqNo: **2051850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.540		2.670		95.1	30	130				

Sample ID: **114749-027AMS** SampType: **MS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **11/24/2010** RunNo: **127143**
Client ID: **DP-8 11-12'** Batch ID: **68441** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **11/25/2010** SeqNo: **2051852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	15.464	1.0	33.00	0	46.9	25	129				
Surr: p-Terphenyl	1.049		2.670		39.3	30	128				

Sample ID: **114749-027AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **11/24/2010** RunNo: **127143**
Client ID: **DP-8 11-12'** Batch ID: **68441** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **11/25/2010** SeqNo: **2051853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	9.404	1.0	33.00	0	28.5	25	129	15.46	48.7	20	R
Surr: p-Terphenyl	0.687		2.670		25.7	30	128		0	0	S

Sample ID: **114749-027ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **11/24/2010** RunNo: **127143**
Client ID: **DP-8 11-12'** Batch ID: **68441** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **11/25/2010** SeqNo: **2051855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1.205	1.0						0	200	20	R
ORO	1.051	1.0						0	200	20	R
Surr: p-Terphenyl	1.892		2.670		70.9	30	128		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LLSGT

Sample ID: **LCS-68441** SampType: **LCS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **11/24/2010** RunNo: **127143**
Client ID: **LCSS** Batch ID: **68441** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **11/26/2010** SeqNo: **2051863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	31.581	1.0	33.00	0	95.7	35	118				
Surr: p-Terphenyl	2.315		2.670		86.7	30	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E101116MB2**	SampType: **MBLK**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126952**
Client ID: **PBS**	Batch ID: **E10VS361**	TestNo: **EPA 8015B(M**		Analysis Date: **11/16/2010**	SeqNo: **2048106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	87.033		100.0		87.0	56	137				

Sample ID: **114742-011DDUP**	SampType: **DUP**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126952**
Client ID: **ZZZZZZ**	Batch ID: **E10VS361**	TestNo: **EPA 8015B(M**		Analysis Date: **11/16/2010**	SeqNo: **2048108**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	111.967		100.0		112	56	137		0	0	

Sample ID: **114742-011DMS**	SampType: **MS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126952**
Client ID: **ZZZZZZ**	Batch ID: **E10VS361**	TestNo: **EPA 8015B(M**		Analysis Date: **11/16/2010**	SeqNo: **2048114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.603	1.0	5.000	0	72.1	40	121				
Surr: Bromofluorobenzene (FID)	116.948		100.0		117	56	137				

Sample ID: **114742-011DMSD**	SampType: **MSD**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126952**
Client ID: **ZZZZZZ**	Batch ID: **E10VS361**	TestNo: **EPA 8015B(M**		Analysis Date: **11/16/2010**	SeqNo: **2048115**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.619	1.0	5.000	0	72.4	40	121	3.603	0.443	20	
Surr: Bromofluorobenzene (FID)	121.858		100.0		122	56	137		0	0	

Sample ID: **E101116LCS3**	SampType: **LCS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126952**
Client ID: **LCSS**	Batch ID: **E10VS361**	TestNo: **EPA 8015B(M**		Analysis Date: **11/16/2010**	SeqNo: **2048116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.530	1.0	5.000	0	90.6	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E101116LCS3**	SampType: **LCS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126952**
Client ID: **LCSS**	Batch ID: **E10VS361**	TestNo: **EPA 8015B(M**		Analysis Date: **11/16/2010**	SeqNo: **2048116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	89.399		100.0		89.4	56	137				

Sample ID: **E101116LCS3D**	SampType: **LCSD**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126952**
Client ID: **LCSS02**	Batch ID: **E10VS361**	TestNo: **EPA 8015B(M**		Analysis Date: **11/17/2010**	SeqNo: **2048117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.527	1.0	5.000	0	90.5	70	130	4.530	0.0662	20	
Surr: Bromofluorobenzene (FID)	88.986		100.0		89.0	56	137		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E101117LCS1**	SampType: **LCS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126907**
Client ID: **LCSS**	Batch ID: **E10VS362**	TestNo: **EPA 8015B(M**		Analysis Date: **11/17/2010**	SeqNo: **2047240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.819	1.0	5.000	0	96.4	70	130				
Surr: Bromofluorobenzene (FID)	99.665		100.0		99.7	56	137				

Sample ID: **114748-002AMS**	SampType: **MS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126907**
Client ID: **ZZZZZZ**	Batch ID: **E10VS362**	TestNo: **EPA 8015B(M**		Analysis Date: **11/17/2010**	SeqNo: **2047242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.762	1.0	5.000	0	95.2	40	121				
Surr: Bromofluorobenzene (FID)	99.038		100.0		99.0	56	137				

Sample ID: **114748-002AMSD**	SampType: **MSD**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126907**
Client ID: **ZZZZZZ**	Batch ID: **E10VS362**	TestNo: **EPA 8015B(M**		Analysis Date: **11/17/2010**	SeqNo: **2047243**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.680	1.0	5.000	0	93.6	40	121	4.762	1.74	20	
Surr: Bromofluorobenzene (FID)	98.426		100.0		98.4	56	137		0	0	

Sample ID: **E101117MB1**	SampType: **MBLK**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126907**
Client ID: **PBS**	Batch ID: **E10VS362**	TestNo: **EPA 8015B(M**		Analysis Date: **11/17/2010**	SeqNo: **2047244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	97.830		100.0		97.8	56	137				

Sample ID: **114748-001ADUP**	SampType: **DUP**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **126907**
Client ID: **ZZZZZZ**	Batch ID: **E10VS362**	TestNo: **EPA 8015B(M**		Analysis Date: **11/17/2010**	SeqNo: **2047246**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **114748-001ADUP** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **126907**
Client ID: **ZZZZZZ** Batch ID: **E10VS362** TestNo: **EPA 8015B(M** Analysis Date: **11/17/2010** SeqNo: **2047246**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	116.282		100.0		116	56	137		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T101117LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **LCSS** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	40.810	5.0	50.00	0	81.6	70	130				
Benzene	93.940	5.0	100.0	0	93.9	70	130				
Chlorobenzene	54.570	5.0	50.00	0	109	82	130				
MTBE	42.930	5.0	50.00	0	85.9	70	130				
Toluene	101.370	5.0	100.0	0	101	70	130				
Trichloroethene	46.220	5.0	50.00	0	92.4	77	130				
Surr: 1,2-Dichloroethane-d4	40.130		50.00		80.3	70	130				
Surr: 4-Bromofluorobenzene	53.010		50.00		106	70	130				
Surr: Dibromofluoromethane	44.690		50.00		89.4	70	130				
Surr: Toluene-d8	49.780		50.00		99.6	70	130				

Sample ID: **T101117MB3MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **ZZZZZZ** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	100.720	5.0	100.0	0	101	70	130				
MTBE	45.120	5.0	50.00	0	90.2	70	130				
Toluene	106.230	5.0	100.0	0	106	70	130				
Surr: 1,2-Dichloroethane-d4	39.550		50.00		79.1	70	130				
Surr: 4-Bromofluorobenzene	52.910		50.00		106	70	130				
Surr: Dibromofluoromethane	44.930		50.00		89.9	70	130				
Surr: Toluene-d8	50.260		50.00		101	70	130				

Sample ID: **T101117MB3MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **ZZZZZZ** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	93.010	5.0	100.0	0	93.0	70	130	100.7	7.96	20	
MTBE	44.000	5.0	50.00	0	88.0	70	130	45.12	2.51	20	
Toluene	101.880	5.0	100.0	0	102	70	130	106.2	4.18	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T101117MB3MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **ZZZZZZ** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	40.850		50.00		81.7	70	130		0	0	
Surr: 4-Bromofluorobenzene	50.910		50.00		102	70	130		0	0	
Surr: Dibromofluoromethane	44.170		50.00		88.3	70	130		0	0	
Surr: Toluene-d8	48.700		50.00		97.4	70	130		0	0	

Sample ID: **T101117MB3** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **PBS** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.230		50.00		80.5	70	130				
Surr: 4-Bromofluorobenzene	49.660		50.00		99.3	70	130				
Surr: Dibromofluoromethane	46.480		50.00		93.0	70	130				
Surr: Toluene-d8	51.280		50.00		103	70	130				

Sample ID: **114749-027AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **DP-8 11-12'** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	36.570	5.0	50.00	0	73.1	70	130				
Benzene	84.260	5.0	100.0	0	84.3	70	130				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-027AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **DP-8 11-12'** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	50.780	5.0	50.00	0	102	70	130				
MTBE	37.290	5.0	50.00	0	74.6	70	130				
Toluene	90.810	5.0	100.0	0	90.8	70	130				
Trichloroethene	41.440	5.0	50.00	0	82.9	70	130				
Surr: 1,2-Dichloroethane-d4	42.150		50.00		84.3	70	130				
Surr: 4-Bromofluorobenzene	50.220		50.00		100	70	130				
Surr: Dibromofluoromethane	45.270		50.00		90.5	70	130				
Surr: Toluene-d8	47.860		50.00		95.7	70	130				

Sample ID: **114749-027AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126909**
Client ID: **DP-8 11-12'** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/17/2010** SeqNo: **2047324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	36.450	5.0	50.00	0	72.9	70	130	36.57	0.329	20	
Benzene	82.420	5.0	100.0	0	82.4	70	130	84.26	2.21	20	
Chlorobenzene	47.120	5.0	50.00	0	94.2	70	130	50.78	7.48	20	
MTBE	36.080	5.0	50.00	0	72.2	70	130	37.29	3.30	20	
Toluene	86.790	5.0	100.0	0	86.8	70	130	90.81	4.53	20	
Trichloroethene	41.340	5.0	50.00	0	82.7	70	130	41.44	0.242	20	
Surr: 1,2-Dichloroethane-d4	41.400		50.00		82.8	70	130		0	0	
Surr: 4-Bromofluorobenzene	52.120		50.00		104	70	130		0	0	
Surr: Dibromofluoromethane	43.430		50.00		86.9	70	130		0	0	
Surr: Toluene-d8	48.840		50.00		97.7	70	130		0	0	

Sample ID: **114749-034ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-14 7-8'** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-034ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-14 7-8'** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	ND	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-034ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-14 7-8'** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl Tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-034ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-14 7-8'** Batch ID: **T10VS227** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
trans-1,3-Dichloropropene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl acetate	ND	50						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	41.700		50.00		83.4	70	130		0	20	
Surr: 4-Bromofluorobenzene	49.600		50.00		99.2	70	130		0	20	
Surr: Dibromofluoromethane	47.280		50.00		94.6	70	130		0	20	
Surr: Toluene-d8	49.500		50.00		99.0	70	130		0	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T101118LCS1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **LCSS** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	41.270	5.0	50.00	0	82.5	70	130				
Benzene	95.040	5.0	100.0	0	95.0	70	130				
Chlorobenzene	54.020	5.0	50.00	0	108	82	130				
MTBE	45.060	5.0	50.00	0	90.1	70	130				
Toluene	102.930	5.0	100.0	0	103	70	130				
Trichloroethene	48.510	5.0	50.00	0	97.0	77	130				
Surr: 1,2-Dichloroethane-d4	41.410		50.00		82.8	70	130				
Surr: 4-Bromofluorobenzene	51.600		50.00		103	70	130				
Surr: Dibromofluoromethane	43.970		50.00		87.9	70	130				
Surr: Toluene-d8	49.650		50.00		99.3	70	130				

Sample ID: **T101118MB3MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **ZZZZZZ** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	93.750	5.0	100.0	0	93.8	70	130				
MTBE	43.830	5.0	50.00	0	87.7	70	130				
Toluene	99.700	5.0	100.0	0	99.7	70	130				
Surr: 1,2-Dichloroethane-d4	38.850		50.00		77.7	70	130				
Surr: 4-Bromofluorobenzene	50.690		50.00		101	70	130				
Surr: Dibromofluoromethane	43.860		50.00		87.7	70	130				
Surr: Toluene-d8	47.580		50.00		95.2	70	130				

Sample ID: **T101118MB3MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **ZZZZZZ** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	88.110	5.0	100.0	0	88.1	70	130	93.75	6.20	20	
MTBE	42.500	5.0	50.00	0	85.0	70	130	43.83	3.08	20	
Toluene	99.350	5.0	100.0	0	99.4	70	130	99.70	0.352	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **T101118MB3MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **ZZZZZZ** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	40.920		50.00		81.8	70	130		0	0	
Surr: 4-Bromofluorobenzene	51.380		50.00		103	70	130		0	0	
Surr: Dibromofluoromethane	45.200		50.00		90.4	70	130		0	0	
Surr: Toluene-d8	47.130		50.00		94.3	70	130		0	0	

Sample ID: **T101118MB3** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **PBS** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									
Surr: 1,2-Dichloroethane-d4	42.160		50.00		84.3	70	130				
Surr: 4-Bromofluorobenzene	47.910		50.00		95.8	70	130				
Surr: Dibromofluoromethane	46.170		50.00		92.3	70	130				
Surr: Toluene-d8	48.260		50.00		96.5	70	130				

Sample ID: **114749-075ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-35 11-12'** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-075ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-35 11-12'** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	23.820	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-075ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-35 11-12'** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl Tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-075ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-35 11-12'** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	1.060	5.0						1.130	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
trans-1,3-Dichloropropene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl acetate	ND	50						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	43.470		50.00		86.9	70	130		0	20	
Surr: 4-Bromofluorobenzene	46.940		50.00		93.9	70	130		0	20	
Surr: Dibromofluoromethane	46.490		50.00		93.0	70	130		0	20	
Surr: Toluene-d8	51.110		50.00		102	70	130		0	20	

Sample ID: **114749-075AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-35 11-12'** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	36.500	5.0	50.00	0	73.0	70	130				
Benzene	79.790	5.0	100.0	0	79.8	70	130				
Chlorobenzene	44.260	5.0	50.00	0	88.5	70	130				
MTBE	35.970	5.0	50.00	0	71.9	70	130				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **114749-075AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-35 11-12'** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	85.200	5.0	100.0	0	85.2	70	130				
Trichloroethene	41.240	5.0	50.00	0	82.5	70	130				
Surr: 1,2-Dichloroethane-d4	42.620		50.00		85.2	70	130				
Surr: 4-Bromofluorobenzene	51.670		50.00		103	70	130				
Surr: Dibromofluoromethane	46.470		50.00		92.9	70	130				
Surr: Toluene-d8	48.830		50.00		97.7	70	130				

Sample ID: **114749-075AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **126945**
Client ID: **DP-35 11-12'** Batch ID: **T10VS228** TestNo: **EPA 8260B** Analysis Date: **11/18/2010** SeqNo: **2047911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	36.300	5.0	50.00	0	72.6	70	130	36.50	0.549	20	
Benzene	78.290	5.0	100.0	0	78.3	70	130	79.79	1.90	20	
Chlorobenzene	44.420	5.0	50.00	0	88.8	70	130	44.26	0.361	20	
MTBE	35.550	5.0	50.00	0	71.1	70	130	35.97	1.17	20	
Toluene	81.460	5.0	100.0	0	81.5	70	130	85.20	4.49	20	
Trichloroethene	40.290	5.0	50.00	0	80.6	70	130	41.24	2.33	20	
Surr: 1,2-Dichloroethane-d4	43.350		50.00		86.7	70	130		0	0	
Surr: 4-Bromofluorobenzene	50.790		50.00		102	70	130		0	0	
Surr: Dibromofluoromethane	48.780		50.00		97.6	70	130		0	0	
Surr: Toluene-d8	50.300		50.00		101	70	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 11/16/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☑ GSO
☐ Other: _____

5.6 5.0

Sample Condition Upon Receipt
1. CHILLED Y ☑ N ☐
2. HEADSPACE (VOA) N/A Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐
4. SEALED Y ☐ N ☑
5. # OF SPLS MATCH COC Y ☑ N ☐
6. PRESERVED Y ☐ N ☑

Client: Geocon Consultants
Attention: Jeremy Zorne
Address: 3160 Gold Valley Drive, Ste. 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916-852-9118
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
K. Briggs	11/12/10	1510	M. O'Brien	11/12/10	1510
	11/12/10	1850	Geocon Cold storage	11/12/10	1950
Geocon Cold Storage	11/15/10	1700	GSO	11/16/10	1025

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs 11/9/10 (Print Name / Date)
Signature

Send Report To: Attn: Jeremy Zorne; Co: ; Addr: As Above; City: State: Zip:

Bill To: Attn: As Above; Co: ; Addr: ; City: State: Zip:

Special Instructions/Comments: -COMMERCIAL RATES

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☐ Legal ☑
SWRCB Logcode ____
OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	REMARKS
	114749-N1	DP-2 3-4'	11/9/10	0900										X								1	T	
	-2	DP-2 7-8'		0905																			T	
	-3	DP-2 11-12'		0920																			T	
	-4	DP-2 13-14		0930																			Bag	
	-5	DP-28 3-4'		1120																			T	
	-6	DP-28 7-8'		1125																			T	
	-7	DP-28 11-12'		1130																			T	
	-8	DP-28 14-15'		1135																			T	
	-9	DP-27 3-4'		1230																			T	
	-10	DP-27 7-8'		1235																				

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☐ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐
4. SEALED Y ☐ N ☐
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants
Address: 3160 Gold Valley Drive, Ste. 800
Tel: 916-852-9118
Attention: Jeremy Zorne
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature) Kiersten Briggs

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Kiersten Briggs K. Briggs	11/12/10	1510	M. O'Brien	11/12/10	1510
M. O'Brien	11/12/10	1850	Geocon Cold Storage	11/12/10	1850
Geocon Cold Storage	11/15/10	1700	GSO	11/16/10	1025

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs 11/9/10 (Print Name / Date)
Signature: Kiersten Briggs

Send Report To: Attn: Jeremy Zorne; Co: ; Addr: As Above; City: State: Zip:

Bill To: Attn: As Above; Co: ; Addr: ; City: State: Zip:

Special Instructions/Comments:
- COMMERCIAL RATES
- IF DETECTIONS ON TPHd/mo ⇒ RE-RUN W/ SILICA GEL CLEANUP

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ Legal ☐
SWRCB Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	Gasoline Range TPHd/mo	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	N4749-11	DP-27 11-12'	11/9/10	1240												X							1	T		
	-12	DP-27 14-15'	11/9/10	1250																			1	Bag		
	-13	DP-4 3-4'	11/10/10	0935																				T		
	-14	DP-4 7-8'		0940								X	X									E				
	-15	DP-4 11-12'		0945																						
	-16	DP-4 14-15'		0950																						
	-17	DP-6 3-4'		1030								X	X									E				
	-18	DP-6 7-8'		1035																						
	-19	DP-6 11-12'		1040																				bag		
	-20	DP-6 14-15'		1100																				T		

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐
4. SEALED Y ☐ N ☐
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants
Attention: Jeremy Zorne
Address: 3160 Gold Valley Drive, Ste. 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916-852-9118
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature] K. Briggs	11/12/10	1510	[signature] M. O'Brien	11/12/10	1510
[signature]	11/12/10	1850	Geocon Cold Storage	11/12/10	1850
[signature] GEOCON COLD STORAGE	11/15/10	1700	GSO [signature]	11/16/10	1025

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs (Print Name) 11/10/10 (Date)
[signature] (Signature)

Send Report To:
Attn: Jeremey Zorne
Co:
Addr: As Above
City: State: Zip:

Bill To:
Attn: As Above
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
- COMMERCIAL RATES
- IF DETECTIONS ON TPHd/MO → RE-RUN W/ SILICA GEL CLEANUP

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- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☑ Legal ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	GASOLINE PKG TPHd/MO						SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	114749-21	DP-7 3-4'	11/10/10	1205																	X							1	T		
	-22	DP-7 7-8'		1210																											
	-23	DP-7 11-12'		1220																											
	-24	DP-7 15-16'		1245																											
	-25	DP-8 3-4'		1345																											
	-26	DP-8 7-8'		1350																											
	-27	DP-8 11-12'		1400									X	X														E			
	-28	DP-8 ~~14-15~~ 13-14'		1410																											
	-29	DP-11 3-4'		1450																											
	-30	DP-11 7-8'																													

- TAT starts 8AM the following day if samples received after 5 PM

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Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐ | 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ | 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ | 6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants
Address: 3160 Gold Valley Drive, Ste. 800
Tel: 916-852-9118
Attention: Jeremy Zorne
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature)

Relinquished by: (Signature and Printed Name) K. Briggs Date: 11/12/10 Time: 1510
Received by: (Signature and Printed Name) Date: 11/12/10 Time: 1510

Relinquished by: (Signature and Printed Name) Date: 11/12/10 Time: 1850
Received by: (Signature and Printed Name) Geocon Cold Storage Date: 11/12/10 Time: 1950

Relinquished by: (Signature and Printed Name) Geocon Cold Storage Date: 11/15/10 Time: 1700
Received by: (Signature and Printed Name) GSO Date: 11/16/10 Time: 1015

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs
Print Name Date
Signature

Send Report To: Attn: Jeremey Zorne Co: _____ Addr: As Above City: State: Zip:

Bill To: Attn: As Above Co: _____ Addr: _____ City: State: Zip:

Special Instructions/Comments:
- COMMERCIAL RATES
- IF DETECTIONS ON TPHd/mo → RE-RUN W/ SILICA GEL CLEANUP

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☑ Legal ☐ | SWRCB ☐ Logcode _____ | OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	GRO/BTEX/ DRO TPHd/mo	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	10474 9-31	DP-11 11-12'	11/10/10	1505												X								1	T		
	-32	DP-11 14-15'		1515																							
	-33	DP-14 3-4'		1545																							
	-34	DP-14 7-8'		1550								X	X										E				
	-35	DP-14 11-12'		1605								X	X										E				
	-36	DP 14 14-15'		1630																							
	-37	DP-24 3-4'	11/11/10	0915																							
	-38	DP-24 7-8'		0920								X	X										E				
	-39	DP-24 11-12'		0925																							
	-40	DP-24 14-15'		0935																							

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☐ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y ☐ N ☐	4. SEALED	Y ☐ N ☐
2. HEADSPACE (VOA)	Y ☐ N ☐	5. # OF SPLS MATCH COC	Y ☐ N ☐
3. CONTAINER INTACT	Y ☐ N ☐	6. PRESERVED	Y ☐ N ☐

Client: Geocon Consultants
Address: 3160 Gold Valley Drive, Ste. 800
Tel: 916-852-9118
Attention: Jeremy Zorne
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
K. Briggs	11/12/10	1510	M. O'Brien	11/12/10	1510
	11/12/10	1850	Geocon Cold Storage	11/12/10	1850
Geocon Cold Storage	11/15/10	1700	GSO	11/16/10	1015

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs (Print Name) (Date) (Signature)

Send Report To: Attn: Jeremey Zorne; Co: ; Addr: As Above; City: State: Zip:

Bill To: Attn: As Above; Co: ; Addr: ; City: State: Zip:

Special Instructions/Comments:
- COMMERCIAL RATES
- IF DETECTION ON TPHd/mo → RE-RUN W/ SILICA GEL cleanup

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION: Q A / Q C — RTNE ☐ CT ☑ Legal ☐ — SWRCB ☐ Logcode _____ — OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	GASOLINE PACKAGE	TPHd/mo	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	REMARKS
	114749-41	DP-23 3-4'	11/11/10	1015									X	X			X						E	1	T	
	-42	DP-23 7-8'		1020																						
	-43	DP-23 11-12'		1025																						
	-44	DP-23 14-15'		1035																						
	-45	DP-22 3-4'		1110																						
	-46	DP-22 7-8'		1115																						
	-47	DP-22 11-12		1125																						
	-48	DP-20 3-4'		1235																						
	-49	DP-20 7-8'		1240																						
	-50	DP-20 11-12'		1245																						

- TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐
4. SEALED Y ☐ N ☐
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants
Address: 3160 Gold Valley Drive, Ste. 800
Tel: 916-852-9118
Attention: Jeremy Zorne
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature)

Relinquished by: (Signature and Printed Name) K. Briggs Date: 11/12/10 Time: 1510
Received by: (Signature and Printed Name) M. O'Brien Date: 11/12/10 Time: 1530

Relinquished by: (Signature and Printed Name) Date: 11/12/10 Time: 1850
Received by: (Signature and Printed Name) Geocon Cold Storage Date: 11/12/10 Time: 1850

Relinquished by: (Signature and Printed Name) Geocon Cold Storage Date: 11/15/10 Time: 1700
Received by: (Signature and Printed Name) Date: 11/16/10 Time: 1025

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs 11/11/10
Print Name Date
Signature

Send Report To:
Attn: Jeremey Zorne
Co:
Addr: As Above
City: State: Zip:

Bill To:
Attn: As Above
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
- COMMERCIAL RATES
- IF DETECTION ON TPHd/mo → RE-RUN W/ SILICA GEL CLEANUP

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA / QC: RTNE ☐ CT ☐ Legal ☑
SWRCB Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	GASOLINE TPHd/mo	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	114749-51	DP-20 14-15'	11/11/10	1255											X								1	T		
	-52	DP-16 3-4'		1410																						
	-53	DP-16 7-8'		1415																						
	-54	DP-16 11-12'		1420																						
	-55	DP-16 14-15'		1425																						
	-56	DP-13 3-4'		1525								X	X									E				
	-57	DP-13 7-8'		1530																						
	-58	DP-13 11-12		1535								X	X									E				
	-59	DP-13 14-15'		1545																						
	-60	DP-25 3-4'	11/12/10	0825								X	X									E				

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☐ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐
4. SEALED Y ☐ N ☐
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants
Attention: Jeremy Zorne
Address: 3160 Gold Valley Drive, Ste. 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916-852-9118
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature) Kiersten Briggs

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Kiersten Briggs K. Briggs	11/12/10	1510	M. O'Brien	11/12/10	1510
[signature]	11/12/10	1850	Geocon Cold Storage	11/12/10	1850
GEOCON COLD STORAGE	11/15/10	1700	GSO [signature]	11/16/10	1025

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs (Print Name) 11/12/10 (Date)
Kiersten Briggs (Signature)

Send Report To:
Attn: Jeremey Zorne
Co:
Addr: As Above
City: State: Zip:

Bill To:
Attn: As Above
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
- COMMERCIAL RATES
- IF DETECTIONS ON TPHd/mo → RE-RUN W/ SILICA gel cleanup

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☑ Legal ☐ SWRCB Logcode ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	GASOLINE PVG TPHd/mo	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	114749-61	DP-25 7-8'	11/12/10	0830												X							1	T		
	-62	DP-25 11-12'		0835																						
	-63	DP-25 14-15'		0845																						
	-64	DP-19 3-4'		1035																						
	-65	DP-19 7-8'		1040																						
	-66	DP-19 11-12'		1045																						
	-67	DP-19 14-15'		1050																						
	-68	DP-21 3-4'		1120								X	X									E				
	-69	DP-21 7-8'		1125																						
	-70	DP-21 11-12'		1130																						

- TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐
4. SEALED Y ☐ N ☐
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants
Address: 3160 Gold Valley Drive, Ste. 800
Tel: 916-852-9118
Attention: Jeremy Zorne
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: Kiersten Briggs/Mike O'Brien (Signature) Kiersten Briggs

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Kiersten Briggs K. Briggs	11/12/10	1510	M. O'Brien	11/12/10	1510
M. O'Brien	11/12/10	1850	Geocon Cold Storage	11/12/10	1850
Geocon Cold Storage	11/15/10	1700	GSO	11/16/10	1015

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Kiersten Briggs 11/12/10 (Print Name / Date)
Kiersten Briggs (Signature)

Send Report To: Attn: Jeremy Zorne; Co: ; Addr: As Above; City: State: Zip:

Bill To: Attn: As Above; Co: ; Addr: ; City: State: Zip:

Special Instructions/Comments:
- COMMERCIAL, 24 TAT
- IF DETECTIONS ON TPHd/mo → RERUN W/ SILICA GEL CLEANUP

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	GASOLINE ONLY TPHd/mo	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	REMARKS
	114749-71	DP-21 12.5-13.5'	~~11~~ 11/12/10	1140												X							1	T	
	-72	DP-26 3-4	11/12/10	1220																					
		~~DP-26 7-8~~																							
		~~DP-26 11-12~~																							
	-73	DP-35 3-4'	11/12/10	1405								X	X									E			
	-74	DP-35 7-8'		1410																					
	-75	DP-35 11-12'		1420								X	X									E			
	-76	DP-35 14-15'		1430																					

- TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☐ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Carmen Aguila

From: Jeremy Zorne [zorne@geoconinc.com]
Sent: Tuesday, November 16, 2010 1:57 PM
To: Fernando Diwa; briggs@geoconinc.com
Cc: Carmen Aguila; Diane Galvan
Subject: RE: Kings Beach Commercial Core, S9558-06-01

Hi Ronnie,

The missing samples in question were not sent down...they are disturbed samples that we retained for soil classification. It appears that the sample ID discrepancies are correct as noted. Thanks,

Jeremy Zorne
GEOCON CONSULTANTS, INC.
(916) 852-9118

From: Fernando Diwa [mailto:fernando@atlglobal.com]
Sent: Tuesday, November 16, 2010 1:43 PM
To: briggs@geoconinc.com
Cc: zorne@geoconinc.com; Carmen Aguila; Diane Galvan
Subject: Kings Beach Commercial Core, S9558-06-01

Hi Kiersten,

Please be informed that no samples were received for the following IDs:

1. DP-2 12-14'
2. DP-27 14-15'
3. DP-6 11-12'

Also, Sample ID discrepancies were noted on the following:

DP-11 7-8' labeled as DP-11, collected on 11/10/10 @ 1455
DP-25 3-4' labeled as DP-25, collected on 11/12/10 @ 0825

Please advise.

Regards,

Ronnie

December 20, 2010

Jeremy Zorne
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

Workorder No.: 114749

RE: Kings Beach Commercial Core, S9558-06-01

Attention: Jeremy Zorne

Enclosed are the results for sample(s) received on November 16, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Kings Beach Commercial Core, S9558-06-01
Lab Order: 114749

CASE NARRATIVE

Sample Receiving / General Comments

Additional analysis was requested for DRO/ORO beyond hold time. Results are flagged with an "H" qualifier.

Analytical Comments for Method 8015 (DRO/ORO)

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 115033-009ADUP and 115033-009AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc. **Lab Order:** 114749
Project: Kings Beach Commercial Core, S9558-06-01

Lab ID: 114749-013 **Collection Date:** 11/10/2010 9:35:00 AM
Client Sample ID: DP-4 3-4' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708				PrepDate: 12/7/2010	Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 05:22 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 05:22 PM
Surr: p-Terphenyl	61.5	30-128	H	%REC	1	12/8/2010 05:22 PM

Lab ID: 114749-018 **Collection Date:** 11/10/2010 10:35:00 AM
Client Sample ID: DP-6 7-8' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708				PrepDate: 12/7/2010	Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 04:15 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 04:15 PM
Surr: p-Terphenyl	54.7	30-128	H	%REC	1	12/8/2010 04:15 PM

Lab ID: 114749-021 **Collection Date:** 11/10/2010 12:05:00 PM
Client Sample ID: DP-7 3-4' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708				PrepDate: 12/7/2010	Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 05:03 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 05:03 PM
Surr: p-Terphenyl	55.6	30-128	H	%REC	1	12/8/2010 05:03 PM

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc. **Lab Order:** 114749
Project: Kings Beach Commercial Core, S9558-06-01

Lab ID: 114749-033 **Collection Date:** 11/10/2010 3:45:00 PM
Client Sample ID: DP-14 3-4' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708				PrepDate: 12/7/2010	Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 04:53 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 04:53 PM
Surr: p-Terphenyl	59.9	30-128	H	%REC	1	12/8/2010 04:53 PM

Lab ID: 114749-037 **Collection Date:** 11/11/2010 9:15:00 AM
Client Sample ID: DP-24 3-4' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708				PrepDate: 12/7/2010	Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 05:13 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 05:13 PM
Surr: p-Terphenyl	56.4	30-128	H	%REC	1	12/8/2010 05:13 PM

Lab ID: 114749-042 **Collection Date:** 11/11/2010 10:20:00 AM
Client Sample ID: DP-23 7-8' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708				PrepDate: 12/7/2010	Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 04:25 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 04:25 PM
Surr: p-Terphenyl	59.4	30-128	H	%REC	1	12/8/2010 04:25 PM

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc. **Lab Order:** 114749
Project: Kings Beach Commercial Core, S9558-06-01

Lab ID: 114749-052 **Collection Date:** 11/11/2010 2:10:00 PM
Client Sample ID: DP-16 3-4' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708			PrepDate: 12/7/2010		Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 05:32 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 05:32 PM
Surr: p-Terphenyl	60.6	30-128	H	%REC	1	12/8/2010 05:32 PM

Lab ID: 114749-057 **Collection Date:** 11/11/2010 3:30:00 PM
Client Sample ID: DP-13 7-8' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708			PrepDate: 12/7/2010		Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 04:35 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 04:35 PM
Surr: p-Terphenyl	54.1	30-128	H	%REC	1	12/8/2010 04:35 PM

Lab ID: 114749-061 **Collection Date:** 11/12/2010 8:30:00 AM
Client Sample ID: DP-25 7-8' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B			**EPA 8015B(M)**			
RunID: GC16_101208A	QC Batch: 68708			PrepDate: 12/7/2010		Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 04:44 PM
ORO	ND	1.0	H	mg/Kg	1	12/8/2010 04:44 PM
Surr: p-Terphenyl	52.6	30-128	H	%REC	1	12/8/2010 04:44 PM

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference
Results are wet unless otherwise specified
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc. **Lab Order:** 114749
Project: Kings Beach Commercial Core, S9558-06-01

Lab ID: 114749-072 **Collection Date:** 11/12/2010 12:20:00 PM
Client Sample ID: DP-26 3-4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101208A	QC Batch: 68708			PrepDate: 12/7/2010		Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/8/2010 05:42 PM
ORO	1.9	1.0	H	mg/Kg	1	12/8/2010 05:42 PM
Surr: p-Terphenyl	56.0	30-128	H	%REC	1	12/8/2010 05:42 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101215F	QC Batch: 68919			PrepDate: 12/14/2010		Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/16/2010 09:46 AM
ORO	ND	1.0	H	mg/Kg	1	12/16/2010 09:46 AM
Surr: p-Terphenyl	43.3	30-128	H	%REC	1	12/16/2010 09:46 AM

Lab ID: 114749-074 **Collection Date:** 11/12/2010 2:10:00 PM
Client Sample ID: DP-35 7-8' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101212B	QC Batch: 68715			PrepDate: 12/8/2010		Analyst: **CBR**
DRO	1.0	1.0	H	mg/Kg	1	12/12/2010 07:32 PM
ORO	1.4	1.0	H	mg/Kg	1	12/12/2010 07:32 PM
Surr: p-Terphenyl	88.3	30-128	H	%REC	1	12/12/2010 07:32 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101215F	QC Batch: 68919			PrepDate: 12/14/2010		Analyst: **CBR**
DRO	ND	1.0	H	mg/Kg	1	12/16/2010 09:37 AM
ORO	ND	1.0	H	mg/Kg	1	12/16/2010 09:37 AM
Surr: p-Terphenyl	65.8	30-128	H	%REC	1	12/16/2010 09:37 AM

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-68708** SampType: **MBLK** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/7/2010** RunNo: **127533**
Client ID: **PBS** Batch ID: **68708** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/8/2010** SeqNo: **2060602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.379		2.670		89.1	30	128				

Sample ID: **LCS-68708** SampType: **LCS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/7/2010** RunNo: **127533**
Client ID: **LCSS** Batch ID: **68708** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/8/2010** SeqNo: **2060603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	26.502	1.0	33.00	0	80.3	35	118				
Surr: p-Terphenyl	2.145		2.670		80.3	30	128				

Sample ID: **114964-001DMS** SampType: **MS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/7/2010** RunNo: **127533**
Client ID: **ZZZZZZ** Batch ID: **68708** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/8/2010** SeqNo: **2060604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	18.571	1.0	33.00	0	56.3	25	129				
Surr: p-Terphenyl	1.774		2.670		66.4	30	128				

Sample ID: **114964-001DMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/7/2010** RunNo: **127533**
Client ID: **ZZZZZZ** Batch ID: **68708** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/8/2010** SeqNo: **2060605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	18.583	1.0	33.00	0	56.3	25	129	18.57	0.0682	20	
Surr: p-Terphenyl	1.754		2.670		65.7	30	128		0	0	

Sample ID: **114749-061ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/7/2010** RunNo: **127533**
Client ID: **DP-25 7-8'** Batch ID: **68708** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/8/2010** SeqNo: **2060606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **114749-061ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/7/2010** RunNo: **127533**
Client ID: **DP-25 7-8'** Batch ID: **68708** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/8/2010** SeqNo: **2060606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0						0	0	20	H
ORO	ND	1.0						0	0	20	H
Surr: p-Terphenyl	1.795		2.670		67.2	30	128		0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-68715**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **PBS**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064524**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.271		2.670		85.0	30	128				

Sample ID: **LCS-68715**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **LCSS**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064525**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	26.119	1.0	33.00	0	79.1	35	118				
Surr: p-Terphenyl	2.525		2.670		94.6	30	128				

Sample ID: **115033-009AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **ZZZZZZ**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	26.433	1.0	33.00	2.455	72.7	25	129				
Surr: p-Terphenyl	2.240		2.670		83.9	30	128				

Sample ID: **115033-009AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **ZZZZZZ**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	28.693	1.0	33.00	2.455	79.5	25	129	26.43	8.20	20	
Surr: p-Terphenyl	2.392		2.670		89.6	30	128		0	0	

Sample ID: **115033-009ADUP**	SampType: **DUP**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **ZZZZZZ**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **115033-009ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/8/2010** RunNo: **127703**
Client ID: **ZZZZZZ** Batch ID: **68715** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/12/2010** SeqNo: **2064529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	2.873	1.0						2.455	15.7	20	
ORO	3.745	1.0						2.596	36.2	20	R
Surr: p-Terphenyl	2.657		2.670		99.5	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LLSGT

Sample ID: **MB-68919**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **PBS**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	1.914		2.670		71.7	30	130				

Sample ID: **115033-009AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **ZZZZZZ**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	9.804	1.0	33.00	0	29.7	25	129				
Surr: p-Terphenyl	1.930		2.670		72.3	30	128				

Sample ID: **115033-009ADUP**	SampType: **DUP**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **ZZZZZZ**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0						0	0	20	
ORO	ND	1.0						0	0	20	
Surr: p-Terphenyl	1.855		2.670		69.5	30	128		0	0	

Sample ID: **LCS-68919**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **LCSS**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068030**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.013	1.0	33.00	0	39.4	35	118				
Surr: p-Terphenyl	1.852		2.670		69.4	30	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 114749
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LLSGT

Sample ID: **115033-009AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/14/2010** RunNo: **127862**
Client ID: **ZZZZZZ** Batch ID: **68919** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/16/2010** SeqNo: **2068031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	12.004	1.0	33.00	0	36.4	25	129	9.804	20.2	20	R
Surr: p-Terphenyl	1.815		2.670		68.0	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Diane Galvan

From: John Pfeiffer [pfeiffer@geoconinc.com]
Sent: Thursday, December 02, 2010 11:14 AM
To: Diane Galvan
Cc: 'Jeremy Zorne'
Subject: ATL Workorder No. 114749: Request for additional analyses

Hi Diane,

I am writing to request additional analyses for eleven soil samples associated with ATL Workorder No. 114749. Specifically, we would like the following samples analyzed for diesel-range and motor oil-range organics (DRO and ORO, respectively) by EPA Method 8015(M):

Lab No. 114749-013 (DP-4 3-4')
Lab No. 114749-018 (DP-6 7-8')
Lab No. 114749-021 (DP-7 3-4')
Lab No. 114749-033 (DP-14 3-4')
Lab No. 114749-037 (DP-24 3-4')
Lab No. 114749-042 (DP-23 7-8')
Lab No. 114749-052 (DP-16 3-4')
Lab No. 114749-057 (DP-13 7-8')
Lab No. 114749-061 (DP-25 7-8')
Lab No. 114749-072 (DP-26 3-4')
Lab No. 114749-074 (DP-35 7-8')

I understand that the hold time has recently expired for the requested analyses, but we would still like the analyses performed. Additionally, for any DRO or ORO detections, please re-run the analysis with silica gel cleanup.

Should you have any questions about this request, or if you need additional information, please do not hesitate to contact me.
Thanks,
John

John C. Pfeiffer, PG, CEG | *Senior Geologist*
Geocon Consultants, Inc.
2541 Warren Drive, Suite 100, Rocklin, CA 95677
Tel 916.852.9118 Fax 916.630.8909 Cell 916.626.2387
http://www.geoconinc.com

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December 20, 2010

Jeremy Zorne
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

Workorder No.: 115033

RE: Kings Beach Commercial Core, S9558-06-01

Attention: Jeremy Zorne

Enclosed are the results for sample(s) received on December 03, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Kings Beach Commercial Core, S9558-06-01
Lab Order: 115033

CASE NARRATIVE

Analytical Comments for Method 8015 (DRO/ORO)

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 115033-009ADUP and 115033-009AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc. **Lab Order:** 115033
Project: Kings Beach Commercial Core, S9558-06-01

Lab ID: 115033-005 **Collection Date:** 11/30/2010 2:13:00 PM
Client Sample ID: DP10-7.0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101212B	QC Batch: 68715			PrepDate: 12/8/2010		Analyst: **CBR**
DRO	9.3	1.0		mg/Kg	1	12/12/2010 08:24 PM
ORO	7.2	1.0		mg/Kg	1	12/12/2010 08:24 PM
Surr: p-Terphenyl	94.6	30-128		%REC	1	12/12/2010 08:24 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101215F	QC Batch: 68919			PrepDate: 12/14/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	12/16/2010 09:16 AM
ORO	ND	1.0		mg/Kg	1	12/16/2010 09:16 AM
Surr: p-Terphenyl	52.0	30-128		%REC	1	12/16/2010 09:16 AM

Lab ID: 115033-008 **Collection Date:** 11/30/2010 3:28:00 PM
Client Sample ID: DP9-3.0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101212B	QC Batch: 68715			PrepDate: 12/8/2010		Analyst: **CBR**
DRO	16	1.0		mg/Kg	1	12/12/2010 10:40 AM
ORO	37	1.0		mg/Kg	1	12/12/2010 10:40 AM
Surr: p-Terphenyl	110	30-128		%REC	1	12/12/2010 10:40 AM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101215F	QC Batch: 68919			PrepDate: 12/14/2010		Analyst: **CBR**
DRO	2.2	1.0		mg/Kg	1	12/16/2010 12:10 PM
ORO	5.1	1.0		mg/Kg	1	12/16/2010 12:10 PM
Surr: p-Terphenyl	64.9	30-128		%REC	1	12/16/2010 12:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc. **Lab Order:** 115033
Project: Kings Beach Commercial Core, S9558-06-01

Lab ID: 115033-009 **Collection Date:** 11/30/2010 3:35:00 PM
Client Sample ID: DP9-7.0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101212B	QC Batch: 68715			PrepDate: 12/8/2010		Analyst: **CBR**
DRO	2.5	1.0		mg/Kg	1	12/12/2010 08:11 PM
ORO	2.6	1.0		mg/Kg	1	12/12/2010 08:11 PM
Surr: p-Terphenyl	86.3	30-128		%REC	1	12/12/2010 08:11 PM
SILICA GEL CLEANUP DRO AND ORO BY GC-FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_101215F	QC Batch: 68919			PrepDate: 12/14/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	12/16/2010 09:27 AM
ORO	ND	1.0		mg/Kg	1	12/16/2010 09:27 AM
Surr: p-Terphenyl	57.7	30-128		%REC	1	12/16/2010 09:27 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 115033
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-68715**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **PBS**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064524**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.271		2.670		85.0	30	128				

Sample ID: **LCS-68715**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **LCSS**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064525**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	26.119	1.0	33.00	0	79.1	35	118				
Surr: p-Terphenyl	2.525		2.670		94.6	30	128				

Sample ID: **115033-009AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **DP9-7.0**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	26.433	1.0	33.00	2.455	72.7	25	129				
Surr: p-Terphenyl	2.240		2.670		83.9	30	128				

Sample ID: **115033-009AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/8/2010**	RunNo: **127703**
Client ID: **DP9-7.0**	Batch ID: **68715**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/12/2010**	SeqNo: **2064528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	28.693	1.0	33.00	2.455	79.5	25	129	26.43	8.20	20	
Surr: p-Terphenyl	2.392		2.670		89.6	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 115033
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **115033-009ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/8/2010** RunNo: **127703**
Client ID: **DP9-7.0** Batch ID: **68715** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/12/2010** SeqNo: **2064529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	2.873	1.0						2.455	15.7	20	
ORO	3.745	1.0						2.596	36.2	20	R
Surr: p-Terphenyl	2.657		2.670		99.5	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 115033
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LLSGT

Sample ID: **MB-68919**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **PBS**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	1.914		2.670		71.7	30	130				

Sample ID: **115033-009AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **DP9-7.0**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	9.804	1.0	33.00	0	29.7	25	129				
Surr: p-Terphenyl	1.930		2.670		72.3	30	128				

Sample ID: **115033-009ADUP**	SampType: **DUP**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **DP9-7.0**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0						0	0	20	
ORO	ND	1.0						0	0	20	
Surr: p-Terphenyl	1.855		2.670		69.5	30	128		0	0	

Sample ID: **LCS-68919**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **12/14/2010**	RunNo: **127862**
Client ID: **LCSS**	Batch ID: **68919**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **12/16/2010**	SeqNo: **2068030**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.013	1.0	33.00	0	39.4	35	118				
Surr: p-Terphenyl	1.852		2.670		69.4	30	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 115033
Project: Kings Beach Commercial Core, S9558-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LLSGT

Sample ID: **115033-009AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **12/14/2010** RunNo: **127862**
Client ID: **DP9-7.0** Batch ID: **68919** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **12/16/2010** SeqNo: **2068031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	12.004	1.0	33.00	0	36.4	25	129	9.804	20.2	20	R
Surr: p-Terphenyl	1.815		2.670		68.0	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 12/3/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☑ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt 6.0

1. CHILLED	Y ☑ N ☐	4. SEALED	Y ☐ N ☑
2. HEADSPACE (VOA)	Y ☐ N ☐	5. # OF SPLS MATCH COC	Y ☑ N ☐
3. CONTAINER INTACT	Y ☑ N ☐	6. PRESERVED	Y ☐ N ☑

Client: Geocon Consultants
Attention: Jeremy Zorne
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916-852-9118
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: John Pfeiffer/Mike O'Brien — John Pfeiffer (Signature) John Pfeiffer

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
John Pfeiffer	12-2-10	1700	OnTrac		
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date: 12/3/10	Time: 8:00
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Pfeiffer 12/3/10 (Print Name / Date)
Signature: John Pfeiffer

Send Report To:
Attn: Jeremy Zorne
Co: _____
Addr: as above
City: _____ State: _____ Zip: _____

Bill To:
Attn: as above
Co: _____
Addr: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:
If DRO/ORO detected, then re-run with silica gel cleanup

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode_____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	TPH d / mo	Hold	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	115033-001	DP12-3.0	11/30/10	1204									X			X								1	T	P	C	
	2	DP12-7.0		1209									X			X								1				
	3	DP12-11.0		1220									X			X								1				
	4	DP12-14.0		1225									X			X								1				
	5	DP10-7.0		1413							X					X							E	1				
	6	DP10-11.0		1422									X			X								1				
	7	DP10-14.0		1430									X			X								1				
	8	DP9-3.0		1528							X					X							E	1				
	9	DP9-7.0		1535							X					X							E	1				
	10	DP9-11.0		1540									X			X								1				

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☐ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl $N=HNO_3$ $S=H_2SO_4$ C=4°C
$Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐
4. SEALED Y ☐ N ☐
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants
Attention: Jeremy Zorne
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916-852-9118
Fax: 916-852-9132

Project Name: Kings Beach Commercial Core
Project #: S9558-06-01
Sampler: John Pfeiffer/Mike O'Brien (Signature) John Pfeiffer

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
John Pfeiffer	12-2-10	1700	OnTrac		
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date: 12/3/10	Time: 8:00
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Pfeiffer 12/1/10
Print Name Date
John Pfeiffer
Signature

Send Report To:
Attn: Jeremy Zorne
Co:
Addr: as above
City: State: Zip:

Bill To:
Attn: as above
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
If DRO/ORO detected, then re-run with silica gel cleanup

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

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- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC
RTNE ☐
CT ☐
Legal ☐
SWRCB ☐ Logcode_____
OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	TPHd/mo	HOLD	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	1150337-11	DPT-14.0	11/30/10	1550										X			X							1	T	P	C	

- TAT starts 8AM the following day if samples received after 5 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☐ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

September 10, 2019

NCE Project No. 1011.02.25

Lindsey Van Parys, PE
GHD
943 Reserve Drive, Suite 100
Roseville, CA 95678

Draft Report of Findings
Limited Soil Screening Assessment
Kings Beach Western Approach Project

Dear Lindsey:

INTRODUCTION

NCE is pleased to submit this Report of Findings to GHD that describes findings of a soil screening performed in conjunction with the geotechnical investigation to look for visual or olfactory indications of obvious signs of contaminated soil. The objective was to take advantage of the geotechnical investigation work to look for impacted soils that may be disturbed during the proposed Kings Beach Western Approach Project (Project). The scope of work to conduct this Limited Phase II is described in GHD's Kings Beach Western Gateway Approach Project Preliminary Engineering and Environmental Documentation Services proposal, which was prepared for Placer County and is dated June 12, 2018.

The field work associated with the field screening effort was performed in conjunction with the Geotechnical Field Exploration Program and Geotechnical Investigation performed by WRECO. Results of WRECO's investigation will be provided under separate cover.

PROJECT DESCRIPTION

The proposed Project includes construction of a four-leg hybrid roundabout that will eliminate the existing signalized intersection at State Routes (SR) 28 and 267; it includes excavating, grading, and the construction of new road pavement, pedestrian lighting, sidewalks, shared-use paths, curb and gutter, and landscaping, as well as restriping, utility relocation, and underground and above-ground storm drain installations. There is also a potential Placer County right-of-way (ROW) take near the proposed roundabout on Brassie Avenue and Caltrans ROW take along N Shore Blvd. A vicinity map is provided on Plate 1.

The Project setting is commercial and residential land use set within pine forest and grassland that gently slopes to the south toward Lake Tahoe. It is mostly paved throughout the Area of Potential Effect (APE), with the exception of the vegetated grassy area north-west of the intersection that is owned by Brockway Golf Club.

FIELD INVESTIGATION

The field investigation was conducted between January 2 and January 4, 2019. All drilling was done in public ROW; prior to drilling, WRECO obtained an encroachment permit from Caltrans and drilling permits were obtained from Placer County. Since work was conducted outside of grading season, WRECO obtained grading exemption permit from Tahoe Regional Planning Agency (TRPA). WRECO also notified Underground Service Alert (USA) prior to drilling activities. Private utility locating using geophysical methods was provided by Pennhall. Due to wet and snowy conditions, some utility markings were obscured; these markings were clarified by site visits from Southwest Gas and North Tahoe Public Utility District (NTPUD) immediately prior to drilling. During performance of work, traffic control was provided by TMI.

Drilling was performed using a CM 55 hollow stem auger drill rig operated by V&W Drilling. Seven borings were advanced to generally 10.5 feet (ft.) below ground surface (bgs). Boring locations are shown on Plate 2. The borings were advanced on paved surfaces or immediately adjacent on the road shoulder. Weather was dry and cold; some drilling was performed at night. Several borings were eliminated by WRECO during the field investigation; these include B-4, and B-6. Boring B-1 was not completed due to utility conflicts.

Samples were collected in a split-barrel sampler that was decontaminated between uses using deionized water and lab grade soap (Liquinox™), followed by a triple rinse with deionized water. Soil samples were placed directly into laboratory-provided, 4-ounce glass jars and stored at 4° centigrade in a cooler with ice under chain of custody. Two to three soil samples were collected from each boring.

Soils encountered were logged into conformance with manual visual methods in ASTM D2488. Soil materials were split for analytical testing and geotechnical testing. During drilling, all soil samples were visually screened and monitored using a photoionization detector (PID) and readings were recorded on the boring logs. Soil samples were also screened for visual and olfactory evidence of impacts of petroleum products. Drilling locations were backfilled with neat cement grout by V&W Drilling at the completion of work.

Soil samples were assigned a unique identification (ID) number which incorporated boring ID and sample depth. Samples were maintained by NCE under chain-of-custody, and delivered to BC Laboratory, a California Certified Analytical Lab (ELAP certified). Selected samples were analyzed for petroleum hydrocarbons by EPA method 8015M; fuel fingerprint LUFT FFP with silica gel clean-up; and benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), and chlorinated solvents by EPA method 8260.

Soil samples were analyzed based on PID readings, soil type, and distribution across the site. All borings had at least one sample submitted to the lab.

FINDINGS

Soil Materials Encountered

Soil encountered included engineered fill (aggregate base) that was generally 12 to 18 inches thick under the highway road section but was thinner or non-existent outside of the highway limits. Underlying soils were native and disturbed native soil including dark yellowish brown poorly graded sand that is interpreted as aeolian lake shore deposits

overlying lacustrine silts and silty sand deposits, some of which displayed iron oxide laminations. Soils were free of debris; no staining or odors were observed, and soils were otherwise unremarkable. PID and olfactory screening was generally negative, except for boring B-5, where an organic decay odor was detected and the PID read 0.3 and 0.4 ppm at 3-5 ft. depth, all other borings had PID readings of 0 ppm. Boring logs are presented in Attachment 1.

Groundwater was encountered at 5 to 7.5 ft below ground surface; soils were generally slightly brownish grey in color in the saturated zone.

Analytical Results

The analytical results for volatile organic and petroleum hydrocarbons in soil are summarized in the following Table 1. Laboratory report sheets and chain-of-custody records are included as Attachment 2.

Low level petroleum hydrocarbons were detected at three locations: B-5 in the North Tahoe Fire Department (NTFD) main driveway, and at B-8 and B-9, both within the roadway prism of SR 28 within the western end of the project area. All other locations were non-detect for all analyzed compounds.

Table 1: Volatile Organic and Petroleum Hydrocarbons in Soil

Sample Number	Volatile Organics EPA 8260B	Total Petroleum Hydrocarbons EPA 8015M	Total Petroleum Hydrocarbons EPA 8015M (Silica Gel Treated)	
B-5-2.5	ND	2.5 ppm TPH Diesel (FFP)	ND	
B-5-5.0	ND	59 ppm TPH Diesel (FFP)	77 ppm TPH Diesel (FFP)	
B-2-2.7	ND	ND	ND	
B-7-3.0	ND	ND	ND	
B-10-2.5	ND	ND	ND	
B-9-3.0	ND	1800 ppm TPH HO/MO	960 ppm TPH HO/MO	
B-8-2.5	ND	30 ppm TPH HO/MO	5.8 ppm TPH Diesel (FFP)	16 ppm TPH HO/MO
B-3-2.5	ND	ND	ND	
B-3-5.0	ND	ND	ND	
	ND - non detect			
	ppm - parts per million (mg/kg)			
	TPH - Total Petroleum Hydrocarbons			
	FFP - Fuel Finger Print			
	THO/MO - Hydraulic oil/motor oil range			

CONCLUSIONS AND RECOMMENDATIONS

While the data collected do not provide any indication of the lateral extent or severity of impacts to soil and/or groundwater, they do suggest that in the vicinity of the borings B-5, B-8 and B-9, impacts to soil/groundwater are likely present and may be encountered during construction/dewatering activities. Any ROW acquisition in the vicinity of these borings may also be impacted.

In addition, the data should be considered as part of the ISA/Phase I document to provide further understanding of the nature, extent and possible sources of these hydrocarbons.

INVESTIGATION LIMITATIONS

Soil sampling and testing were performed in accordance with practices and procedures generally accepted in the environmental consulting field. NCE's professional opinions are based upon its professional judgment, experience, and training. These opinions are also based upon data derived from the limited testing and analysis described in this report. Our professional opinions expressed herein are based on limited data; no other warranty is given or implied by this report.

CLOSING

Thank you for allowing NCE to service your lead consulting needs. If you have any questions, or need additional information, please do not hesitate to ask.

Respectfully,

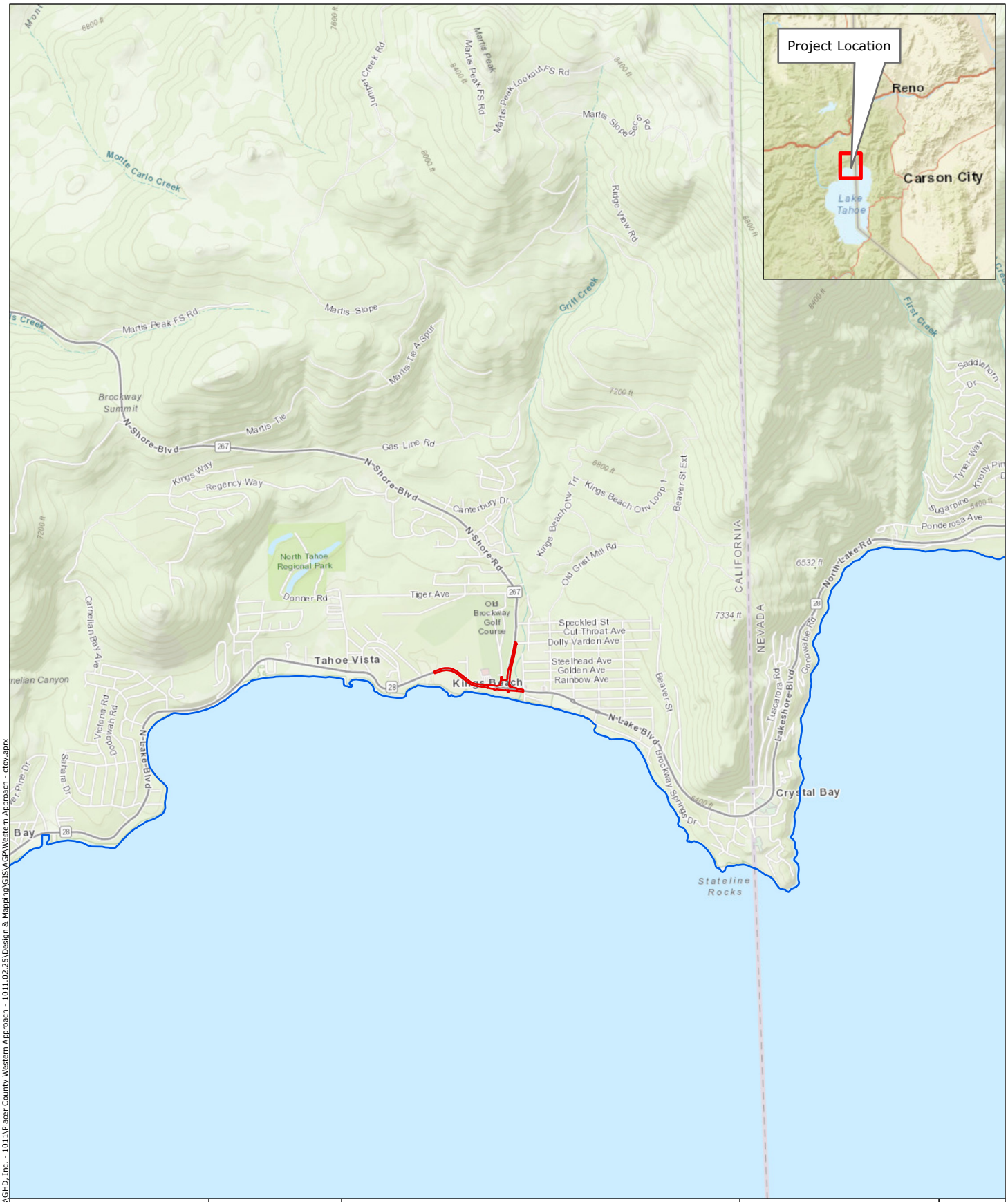
NCE

Anna Henke, PG
Senior Geologist

Michael J. Leacox, P.G., C.E.G.
Principal

Plate 1 – Project Vicinity Map
Plate 2 – Boring Location Map
Attachment 1 – Boring Logs
Attachment 2 – Laboratory Analytical Reports and Chain-of-Custody Forms

Plates



Lake Tahoe

Project Location

NCE GHD

Project Vicinity

Kings Beach Western Approach Project
Kings Beach, Placer County, CA

N

1 in. = 4,000 ft.

0 4,000 ft.

PLATE 1

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
ESRI Topo Basemap	1011.02.55	ctoy	8/12/2019	8/13/2019	AH

Document Path: P:\Active Projects\GHD, Inc. - 1011\Placer County Western Approach - 1011.02.25\Design & Mapping\GIS\AGP\Western Approach - ctoy.aprx

Boring Location

Area of Direct Impact

NCE GHD

Boring Location

Kings Beach Western Approach Project
Kings Beach, Placer County, CA

N

1 in. = 150 ft.

0 150 ft.

PLATE 2

SOURCE	JOB NUMBER	DRAWN	DATE	REVISED	APPROVED
Bing Hyrbid Basemap	1011.02.55	ctoy	8/12/2019	8/13/2019	AH

Document Path: P:\Active Projects\GHD, Inc. - 1011\Placer County Western Approach - 1011.02.25\Design & Mapping\GIS\AGP\Western Approach - ctoy.aprx

Attachment 1

BORING LOGS

NCE
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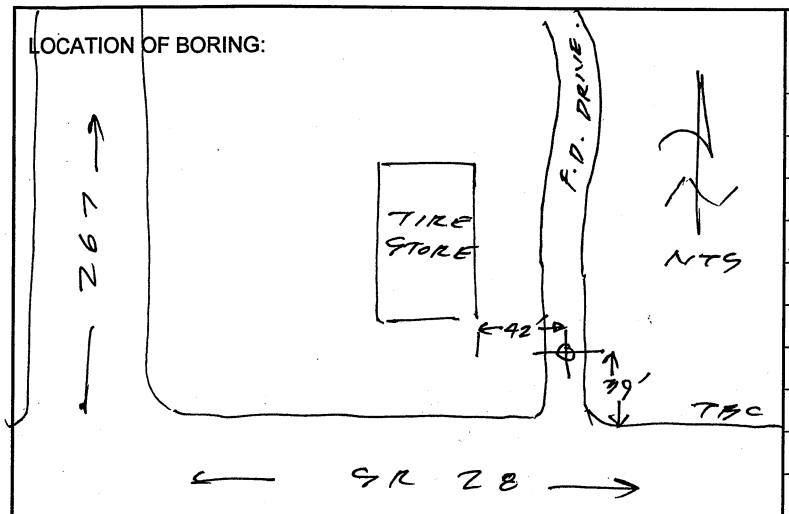
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: PLACER. W. APPROACH		BORING NO.: B-2	
		TOTAL DEPTH: 10.5	
JOB NO.: 1101.02.25		LOGGED BY: A H HENKE	
PROJ. MGR.: D. RIOS		EDITED BY:	
DRILLING CONTRACTOR: V+W			
DRILL RIG TYPE: HSA - CME 55 - 6" FLIGHT AUG			
DRILLER'S NAME: FRANK RAMIREZ			
SAMPLING METHODS: ST. PEN.			
HAMMER WT.: 140 lb		DROP: 30 in	
STARTED, TIME: 1205		DATE: 1/2/19	
COMPLETED, TIME: 1317		DATE: 1/2/19	
BORING DEPTH (ft.)	10.5		
CASING DEPTH (ft.)	0		
WATER DEPTH (ft.)	5.9'		
TIME:	1330		
DATE:	1/2/19		
BACKFILLED, TIME: 1335		DATE: 1/2/19	BY: V+W
SURFACE ELEV.:		DATUM:	
CONDITIONS: CLEAR, COLD.			

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SAMP	PID	TIME	DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
					1215	B	2	0.5					AC
								0		1			
					1220	B	2	1.5					SP
								0		2			
2.5	SP	29	6		1210	B	2	2.7	1210				
↓	↓	42	6							3			GW
		50	4										
										4			
5.0	SP	6	6		1300	B	2	5.0	1300				
		5	6		▼ 5.9'			0		5			SP
↓	↓	10	6							6			
										7			
7.5	SP	6	6		1306	B	2	7.5	1308				
		9	6					0		8			SP
↓	↓	17	6										
		11							1314	9			
		12											SM
		12								10			

4" AC

DARK GREYISH BN POORLY GRADED SAND (SP) (10YR 4/2) MOIST. 10% GRAVEL.

BROWN WELL GRADED GRAVEL WITH SAND (GW) (10YR 5/3) MOIST.

DARK YELLOWISH BROWN SILTY SAND (SP) (10YR 4/4) MOIST TO WET. FeO2 BANDING & LAMINATIONS

SILTIER AT BOTTOM

BOTTOM OF BORING AT 10.5'

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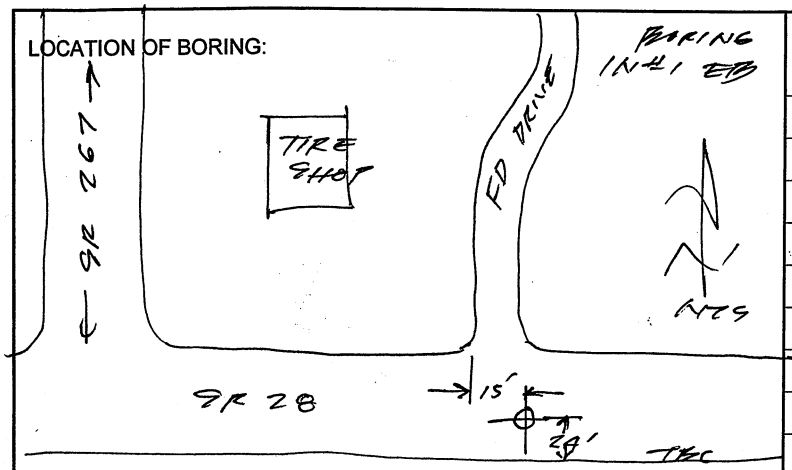
FIELD LOG OF BORING

Sheet 1 of 1



PROJECT: PLACER WEST. APPROACH	BORING NO.: B-3
JOB NO.: 1011.02.25	TOTAL DEPTH: 10.5
PROJ. MGR.: D. KIOS	LOGGED BY: A.H. HENKE
DRILLING CONTRACTOR: V+W	EDITED BY:
DRILL RIG TYPE: CME 55 – 6" FLIGHT AUGERS	
DRILLER'S NAME: FRANC RAMIREZ	
SAMPLING METHODS: STD PEN	
HAMMER WT.: 140lb	DROP: 30 in
STARTED, TIME: 0135	DATE: 1/4/19
COMPLETED, TIME: 0201	DATE:

BORING DEPTH (ft.)	6.5	10.5
CASING DEPTH (ft.)	0	0
WATER DEPTH (ft.)	5.5	9.5
TIME:	0150	0205
DATE:	1/4/19 →	

BACKFILLED, TIME: 0210 DATE: 1/4/19 BY: V+W

SURFACE ELEV.: DATUM:

CONDITIONS: CLOUDY, DARK, COLD

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SAMP	PID	TIME	DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
									0135				AC
1.0	SP	25	6		@140	B-3	-1.0	0	0140	1			GW
		23	6										
		22	6		0140	B-3	-2.3			2			SP
2.5	SP	5	6		0144	B-3	-2.5		0144				
		7	6					0		3			
		6	6							4			
5.0	SP	22	6		0150	B-3	-5.0	0	0150	5			SW
		34	6										
		18	6							6			
										7			
									0156				SM
7.5	SP	11	6							8			
		19	6					0					
		22	6							9			
9.0	SP	10	6						0201				
		16	6					0		10			
		27	6										

(AB) BROWN WELL-GRADED GRAVEL WITH SAND (GW) (10YR 5/3) MOIST

DARK YELLOWISH BROWN POORLY GRADED SAND (SP) (10YR 3/4) MOIST. NATIVE.

BROWN WELL GRADED SAND WITH GRAVEL (SW) (10YR 5/4) WET NO ODOR

BROWN SILTY SAND (SM) (10YR 5/4) WET. TIGHT. WITH FeO_2 LAMINATIONS

@10' SANDIER. MICACEOUS

BOTTOM OF BORING AT 10.5

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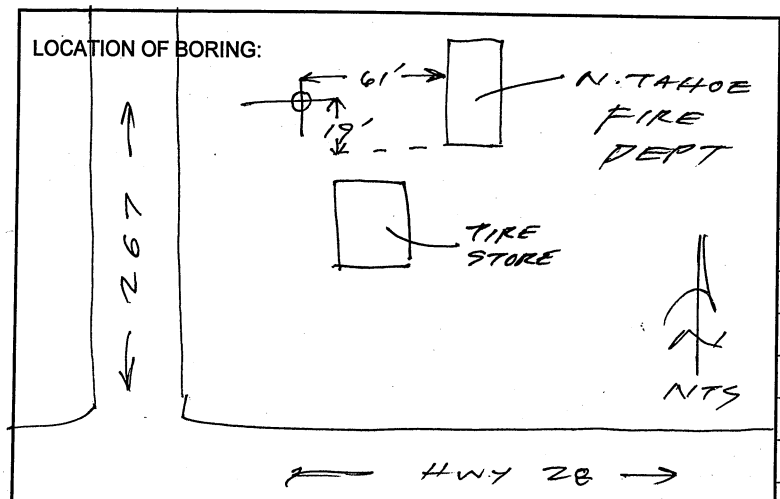
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: PLACER - W. APPROACH		BORING NO.: B-5	
		TOTAL DEPTH: 10.5	
JOB NO.: 1101.02.25		LOGGED BY: AH HENKE	
PROJ. MGR.: D. ROS		EDITED BY:	
DRILLING CONTRACTOR: V+W			
DRILL RIG TYPE: HSA -			
DRILLER'S NAME: FRANK RAMIREZ			
SAMPLING METHODS: S.P.			
HAMMER WT.: 140lb		DROP: 30in	
STARTED, TIME: 1045		DATE: 1/2/19	
COMPLETED, TIME: 1130		DATE: 1/2/19	
BORING DEPTH (ft.)	10.5		
CASING DEPTH (ft.)	0		
WATER DEPTH (ft.)	6.7		
TIME:	1150		
DATE:	1/2		
BACKFILLED, TIME: 1230	DATE: 1/2/19	BY: V+W	
SURFACE ELEV.:		DATUM:	
CONDITIONS: CLEAR, COLD			

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SAMP	PID *	TIME	DEPTH IN FEET	HYDROPUNCH/OTHER SAMPLE RECOVERY	GRAPHIC LOG	
					▲	B-5-0.5		0	1100			AC	
					▲	B-5-1.5		0	1105	1		SP	BROWN FINE SAND (SP) (10YR 4/3) DRY. NO ODOR
										2			@ 2.5' COLOUR CHANGE TO
2.5	SP	4	6		■	B-5-2.5		0.9	1110			SP	DK BROWN (10YR 3/2). NO ODOR MOIST
		7	6							3			
		7	6										ROCK @ 4.0
										4			
													DARK BROWN SILTY SAND
7.5	SP	18	6		■	B-5-5.0		0.2	1118	5		SM	(SM) (10YR 2.5Y 4/3) MOIST
		11	6										ORGANIC DECAY ODOR.
		12	6	▼	6.7 (1150)					6			
													LIGHT BROWNISH GREY SILT
									1122	7			WITH SAND (ML) (2.5Y 6/2) MOIST.
7.9	SP	14	6		■	B-5-7.5						ML	NO ODOR
		25	6					0		8		SP	
		27	6										VERY DK GREYISH BN FINE SAND (SP) (2.5Y 3/2)
										9			SATURATED
									1130				BOTTOM OF BORING @ 10.5'
										10			

* SUSPECT PID PICKING UP MOISTURE. NO ODOR

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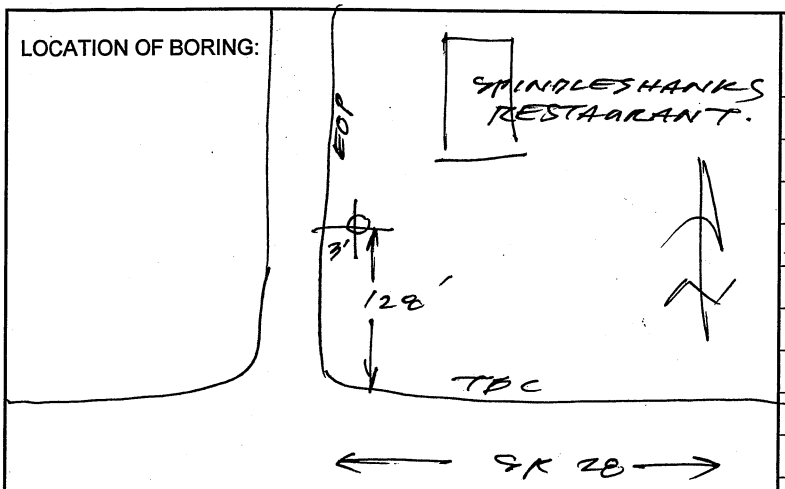
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: PLACER WEST. APPROACH		BORING NO.: B-7	
JOB NO.: 1101.02.25		TOTAL DEPTH: 10.5'	
PROJ. MGR.: D. RIOS		LOGGED BY: A H HENRICE	
		EDITED BY:	
DRILLING CONTRACTOR: V+W			
DRILL RIG TYPE: HSA - CME 55 - 6" FLIGHT AUG.			
DRILLER'S NAME: FRANK RAMIREZ			
SAMPLING METHODS: STAND. PEN			
HAMMER WT.: 140 lb		DROP: 30 in	
STARTED, TIME: 1415		DATE: 1/2/19	
COMPLETED, TIME: 1440		DATE:	
BORING DEPTH (ft.)	10.5		
CASING DEPTH (ft.)	-0-		
WATER DEPTH (ft.)	6.5'		
TIME:	1500		
DATE:	1/2/19		
BACKFILLED, TIME: 1500	DATE: 1/2/19	BY: V+W	
SURFACE ELEV.:		DATUM:	
CONDITIONS: CLEAR, CALM, COLD.			

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SAMP	PID	TIME	DEPTH IN FEET	HYDROPUNCH/OTHER SAMPLE RECOVERY	GRAPHIC LOG
					1420		B-7-0.5			1		SM
					1425		B-7-1.5			2		
2.5	SP	4	6	3					1415	3		SM
		6	6	6	1415		B-7-3.0			4		SP
		6	6	6								
5.0	SP	4	6	3	1426		B-7-5.2		1426	5		SP
		13	6	6						6		ML
		21	6	6	1500		6.5			7		
7.5	SP	6	6	6					1431	8		SP
		10	6	6								
		16	6	6						9		
9.0	SP	19	6	6					1440	10		SP
		29	6	6								
		37	6	6								ML

AP AT SURFACE
DARK YELLOWISH BN SILTY SAND WITH GRAVEL (SM) (10YR4/4) MOIST. FILL AT SURF
@ 2.5' DK YELLOWISH BROWN POORLY GRADED SAND (SP) (10YR4/4) MOIST
LIGHT BROWNISH GREY SANDY SILT (ML) (2.5Y6/2) WET
VERY DARK GREYISH BROWN POORLY GRADED SAND (SP) (2.5Y3/2) WET, SILTY AT BOTTOM WITH FeO_2 LAMINATIONS
BOTTOM OF BORING AT 10.5'

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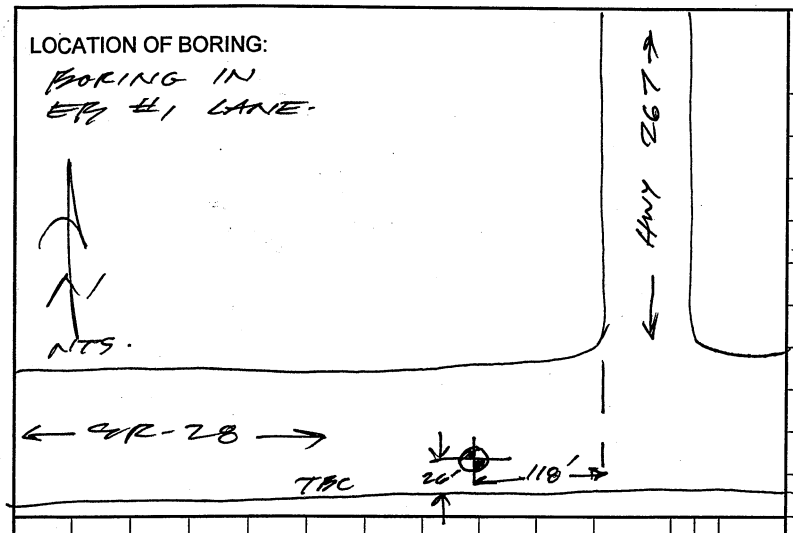
FIELD LOG OF BORING

Sheet _____ of _____



PROJECT: PLACER WEST APPROACH	BORING NO.: B-8
JOB NO.: 1011.02.25	TOTAL DEPTH:
PROJ. MGR.: D. RIOS	LOGGED BY: A. HENKE
DRILLING CONTRACTOR: V+W	EDITED BY:
DRILL RIG TYPE: CME 55 · 6" FLIGHT AUGERS	
DRILLER'S NAME: FRANK RAMIREZ	
SAMPLING METHODS: STD. PEN.	
HAMMER WT.: 140 lb	DROP: 30 in
STARTED, TIME: 0100	DATE: 1/4/19
COMPLETED, TIME: 0113	DATE:
BORING DEPTH (ft.) 6.5	
CASING DEPTH (ft.) 0	
WATER DEPTH (ft.) 5.0	
TIME: 0115	
DATE: 1/4/19	
BACKFILLED, TIME: 0120 DATE: 1/4/19 BY: V+W	
SURFACE ELEV.:	DATUM:
CONDITIONS: OVERCAST, DARK, COLD	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SAMPLE	PID	TIME	DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
								0	0100				AC
0.8	SP	47	6	6				0	0104	1			AB
		34	6	6	▲	■	B-8-0.8	0					
		50	6	6	▲	■	B-8-1.8			2			
								0					
2.5	SP	13	6	6		■	B-8-2.5		0109	3			SP
		13	6	6				0					
		8	6	6						4			
							▽			5			
5.0	SP	5	6	6					0113				SP
		10	6	6				0		6			
		17	6	6									
										7			
										8			
										9			
										10			

BROWN SP WELL-GRADED GRAV. WITH SAND (GW) (10YR 5/3) MOIST

DARK YELLOWISH BROWN POORLY GRADED SAND (SP) (10YR 4/4) MOIST. NATIVE

AS ABOVE. SATURATED; NO SAMPLE COLLECTED.

BOTTOM OF BORING AT 6.5

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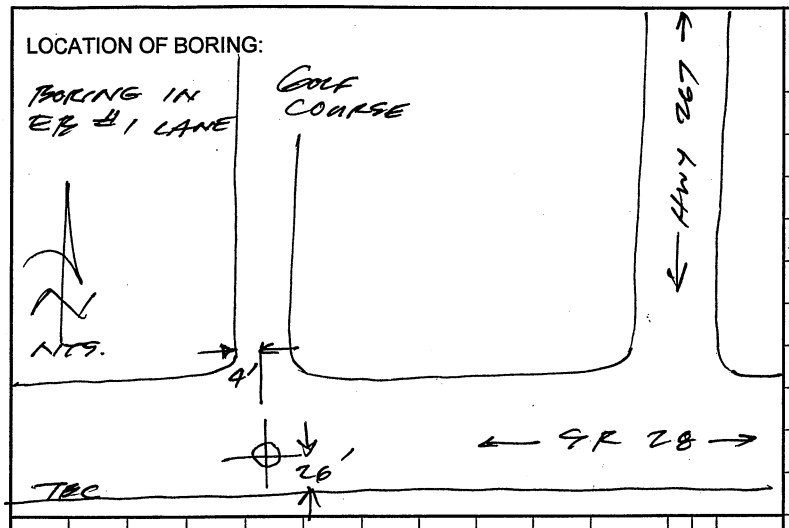
FIELD LOG OF BORING

Sheet 1 of 1



PROJECT: PLACER W. APPROACH	BORING NO.: B-9
JOB NO.: 1011.02.25	TOTAL DEPTH: 6.5'
PROJ. MGR.: D. RIOS	LOGGED BY: A. HENKE
DRILLING CONTRACTOR: V+W	EDITED BY:
DRILL RIG TYPE: CME 55 - 6" FLIGHT AUGERS	
DRILLER'S NAME: FRANK RAMIREZ	
SAMPLING METHODS: STD. PEN.	
HAMMER WT.: 140 lb	DROP: 30 in
STARTED, TIME: 0022	DATE: 1/4/19
COMPLETED, TIME: 0036	DATE:
BORING DEPTH (ft.) 6.5	
CASING DEPTH (ft.) Ø	
WATER DEPTH (ft.) Ø	
TIME: 0040	
DATE: 1/4/19	
BACKFILLED, TIME: 0045 DATE: 1/4/19 BY: V+W	
SURFACE ELEV.:	DATUM:
CONDITIONS: OVERCAST, DARK, COLD	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SAMP	PID	TIME	DEPTH IN FEET	HYDROPUNCH/OTHER	SAMPLE RECOVERY	GRAPHIC LOG
									0022				AC
0.8	SP	20	6	6	▲	0025	B-9-	0	0.8	1			AB
↓	↓	29	6	6	▲	0025	B-9-	0	1.5	2			SM
		32	6	6									
2.5	SP	12	6	●					0030	3			
↓	↓	12	6	6	0030	■	B-9-	3.0					
		8	6	6				0		4			SM
5.0	SP	12	6	6	0036	■	B-9-	5.0	0036	5			
↓	↓	11	6	6				0					ML
		8	6	6						6			
										7			
										8			
										9			
										10			

AC = 8"

VERY DK GREYISH BN SILTY SAND (SM) (10YR 3/2) FILL MOIST.

BROWN SILTY GRAVEL WITH SAND (GM) (10YR 4/3) MOIST.

BROWN SILT w/ SAND (ML) (10YR 4/3) FINE SAND. MOIST

BORING TERMINATED AT 6.5'. NO GW.

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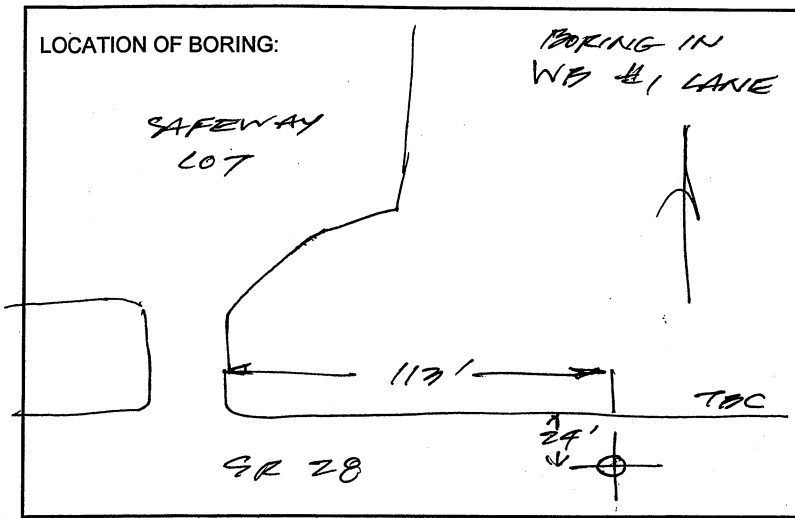
FIELD LOG OF BORING

Sheet 1 of 1

LOCATION OF BORING:



PROJECT: PLACER W. APPROACH	BORING NO.: B-10
JOB NO.: 1011.02.25	TOTAL DEPTH: 10.5
PROJ. MGR.: D. RIOS	LOGGED BY: A HENKE
DRILLING CONTRACTOR: V+W	EDITED BY:
DRILL RIG TYPE: CME 55 - 6" FL. AUGERS	
DRILLER'S NAME: FRANK RAMIREZ	
SAMPLING METHODS: STD PEN	
HAMMER WT.: 140lb	DROP: 30 in
STARTED, TIME: 2232	DATE: 1/9/19
COMPLETED, TIME: 2255	DATE:

BORING DEPTH (ft.)	10.5	
CASING DEPTH (ft.)	0	
WATER DEPTH (ft.)	7.5	10.1
TIME:	2252	2305
DATE:	1/9/19	

BACKFILLED, TIME: 2310 DATE: 1/9/19 BY: V+W

SURFACE ELEV.: DATUM:

CONDITIONS: OVERCAST, DARK, COLD

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE	SAMP	PID	TIME	DEPTH IN FEET	HYDROPUNCH/OTHER SAMPLE RECOVERY	GRAPHIC LOG
					2238		B-10-0.8	0	2232			
					2241		B-10-1.5	0				
2.5	SP	8	6	6					2234			SP
		8	6	6	2234		B-10-2.5	0				
		9	6	6								
										4		ML
5	SP	7	6	6	2246		B-10-5.0	0	1046			
		12	6	6					2246			SM
		20	6	6						6		
										7		
7.5	SP	5	6	6		2252			1052			
		7	6	6					2252	8		ML
		11	6	6								
9.0	SP	10	6	6					2255	9		
		15	6	6								
		19	6	6		2305				10		ML

AC - 8"

BROWN POORLY GRADED SAND (FINE) (SP) (10YR5/3) MOIST. NATIVE

DARK GREY SICT (ML) (5Y 4/1) MOIST.

DARK YELLOWISH BROWN SILTY SAND (SM) (10YR 9/4) MOIST.

DARK GREY SICT (ML) (10YR 4/1) MOIST TO WET. (SAMPLER WET

@ 10' - COLOUR CHANGE TO DARK YELLOWISH BROWN

BOTTOM OF BORING AT 10.5'

Attachment 2

ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

Work Order

1900497

BC Laboratories, Inc.

Client:	Nichols Consulting Engineers	COC Number:	
Project:	Placer County	Project Number:	1101.02.25

Report To:

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826
Attn: Anna Henke
Phone: (916) 388-5655
FAX: (916) 388-5676

Invoice To:

Nichols Consulting Engineers
8795 Folsom Blvd. Suite 250
Sacramento, CA 95826
Attn: Anna Henke
Phone: (916) 388-5655
FAX: (916) 388-5676
PO Number:

Date Received:	01/07/2019 08:13	Date Due:	01/21/2019 17:00 (10 day TAT)
Received By:	Jaime Garrido	CSR Name:	Molly Meyers
Samples Received at:	3.6 C	CSR Email:	mmeyers@bclabs.com
Date Logged In:	01/04/2019 00:00	CSR Phone:	661-852-4250
Logged In By:	Molly Meyers	(CSR = Client Service Representative)	

Lab Number	Client Sample Description	Matrix	# of Bottles
1900497-01	B-5-2.5, 1/2/2019 11:10:00AM	Solids	1
1900497-02	B-5-5.0, 1/2/2019 11:18:00AM	Solids	1
1900497-03	B-5-7.5, 1/2/2019 11:28:00AM	Solids	1
1900497-04	B-2-2.7, 1/2/2019 12:10:00PM	Solids	1
1900497-05	B-2-5.0, 1/2/2019 1:00:00PM	Solids	1
1900497-06	B-2-7.5, 1/2/2019 1:06:00PM	Solids	1
1900497-07	B-7-3.0, 1/2/2019 2:15:00PM	Solids	1
1900497-08	B-7-5.2, 1/2/2019 2:26:00PM	Solids	1
1900497-09	B-10-2.5, 1/3/2019 10:34:00PM	Solids	1
1900497-10	B-10-5.0, 1/3/2019 10:46:00PM	Solids	1
1900497-11	B-9-3.0, 1/4/2019 12:30:00AM	Solids	1
1900497-12	B-9-5.0, 1/4/2019 12:36:00AM	Solids	1
1900497-13	B-8-2.5, 1/4/2019 1:09:00AM	Solids	1
1900497-14	B-3-2.5, 1/4/2019 1:44:00AM	Solids	1
1900497-15	B-3-5.0, 1/4/2019 1:50:00AM	Solids	1

Client Sample Description Format: *<Project Name>, *<Location>, <Sample Name>, <Date/ Time Sampled>, *<Sampled By>, *<Sample Depth>
(* = shown if available)

Analysis	Matrix	Due Date	Samples
Semi-Volatiles			
g8015/FFPs	Solids	01/21/2019 17:00	01, 02, 04, 07, 09, 11, 13, 14, 15
gSGT8015/FFPs Full	Solids	01/21/2019 17:00	01, 02, 04, 07, 09, 11, 13, 14, 15
Volatiles - GC/MS			
g8260s	Solids	01/21/2019 17:00	01, 02, 04, 07, 09, 11, 13, 14, 15

Work Order

1900497

BC Laboratories, Inc.

Client:	Nichols Consulting Engineers	COC Number:	
Project:	Placer County	Project Number:	1101.02.25

Semi-Volatiles

g8015/FFPs	**Analyte**
	TPH - Light Naptha
	TPH - Aviation Gas
	TPH - Stoddard Solvent
	TPH - Heavy Naptha
	TPH - Gasoline
	TPH - Jet Fuel (JP4)
	TPH - Jet Fuel (JP5)
	TPH - Jet Fuel (JP8)
	TPH - Kerosene
	TPH - Diesel (FFP)
	TPH - Fuel Oil #6
	TPH - Crude Oil
	TPH - Hydraulic Oil / Motor Oil
	TPH - WD-40
	Tetracosane (Surrogate)

gSGT8015/FFPs Full	**Analyte**
	TPH - Light Naptha
	TPH - Aviation Gas
	TPH - Stoddard Solvent
	TPH - Heavy Naptha
	TPH - Gasoline
	TPH - Jet Fuel (JP4)
	TPH - Jet Fuel (JP5)
	TPH - Jet Fuel (JP8)
	TPH - Kerosene
	TPH - Diesel (FFP)
	TPH - Fuel Oil #6
	TPH - Crude Oil
	TPH - Hydraulic Oil / Motor Oil
	TPH - WD-40
	Tetracosane (Surrogate)

Work Order

1900497

BC Laboratories, Inc.

Client:	Nichols Consulting Engineers	COC Number:	
Project:	Placer County	Project Number:	1101.02.25

Volatiles - GC/MS

g8260s

Analyte
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
n-Butylbenzene
sec-Butylbenzene
tert-Butylbenzene
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
2-Chlorotoluene
4-Chlorotoluene
Dibromochloromethane
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane
Dibromomethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
1,1-Dichloropropene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Hexachlorobutadiene
Isopropylbenzene
p-Isopropyltoluene
Methylene chloride
Methyl t-butyl ether
Naphthalene
n-Propylbenzene

Work Order

1900497

BC Laboratories, Inc.

Client:	Nichols Consulting Engineers	COC Number:	
Project:	Placer County	Project Number:	1101.02.25

Volatiles - GC/MS

g8260s	Analyte
	Styrene
	1,1,1,2-Tetrachloroethane
	1,1,2,2-Tetrachloroethane
	Tetrachloroethene
	Toluene
	1,2,3-Trichlorobenzene
	1,2,4-Trichlorobenzene
	1,1,1-Trichloroethane
	1,1,2-Trichloroethane
	Trichloroethene
	Trichlorofluoromethane
	1,2,3-Trichloropropane
	1,1,2-Trichloro-1,2,2-trifluoroethane
	1,2,4-Trimethylbenzene
	1,3,5-Trimethylbenzene
	Vinyl chloride
	Total Xylenes
	p- & m-Xylenes
	o-Xylene
	1,2-Dichloroethane-d4 (Surrogate)
	Toluene-d8 (Surrogate)
	4-Bromofluorobenzene (Surrogate)

BC Laboratories, Inc.

19-00497

Chain of Custody Form

Page 1 of 2

Report To: Client: NCE	Project #: 1101.02.25
Attn: ANNA HENKE	Project Name: PLACER
Street Address: 1185 S. ARLINGTON AVE, SUITE 111	
City, State, Zip: RENO, NV 89509	Sampler(s): A H HENKE
Phone: 775-846-7317 Fax:	
Email Address: ahenke@ncenet.com	
Work Order #:	

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 10 work days

Sample #	Description		Date Sampled	Time Sampled	EPA 8015B/FFP	EPA 8260B	~~EPA~~ LUFT FFP (Si GEL)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
1	B-5-2.5	-1	1 2 19	1110				✓						10	
1	B-5-5.0	-2	1 2 19	1118				✓						10	
1	B-5-7.5	-3	1 2 19	1128				✓						10	
1	B-2-2.7	-4	1 2 19	1210				✓						10	
1	B-2-5.0	-5	1 2 19	1300				✓						10	
1	B-2-7.5	-6	1 2 19	1306				✓						10	
1	B-7-3.0	-7	1 2 19	1415				✓						10	
1	B-7-5.2	-8	1 2 19	1426				✓						10	
1	B-10-2.5	-9	1 3 19	2234				✓						10	
1	B-10-5.0	-10	1 3 19	2246				✓						10	
1	B-9-3.0	-11	1 4 19	0030				✓						10	
1	B-9-5.0	-12	1 4 19	0036				✓						10	
1	B-8-2.5	-13	1 4 19	0109				✓						10	
1	B-3-2.5	-14	1 4 19	0144				✓						10	

Billing ☑ Same as above

Client:

Address:

City: State Zip

Attn:

PO#: 1011.02.25

EDF Required? Geotracker ☐ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☐ No

Global ID (Needed for EDF)

System # (Needed for EDT)

	Relinquished By	Date	Time	Received By	Date	Time
1.	A H HENKE NCE	1/4/19	0235		1/4/19	0235
2.	Frank Ram	1-4-19	10:00		1/4/19	1000
3.		1-4-19	1736		1/7/19	0813

BC Laboratories, Inc.

19-00497

Chain of Custody Form

Page 2 of 2

Report To: Client: NCE	Project #: #09 1011.02.25
Attn: ANNA HENKE	Project Name:
Street Address: 1185 S. ARLINGTON AVE, SUITE 111	
City, State, Zip: RENO, NV 89509	Sampler(s): AH HENKE
Phone: 775-846-7317 Fax:	
Email Address: ahenke@ncenet.com	
Work Order #:	

Please refer to the back of this page for completion instructions and method legend.

Sample #	Description	Date Sampled	Time Sampled	EPA 8015B/FFP	EPA 8260B	LUFT FFP (Silica)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
1	B-7-5.0 -15	1/4/19	0150				✓						STD (10)	

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☑ No

* Standard Turnaround = 10 work days

CHK BY

DISTRIBUTION

SUB-OUT ☐

Billing ☐ Same as above

Client:

Address:

City: State: Zip:

Attn:

PO#: REF. JOB # 1011.02.25

EDF Required? Geotracker ☐ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☐ No

Global ID (Needed for EDF)

System # (Needed for EDT)

	Relinquished By	Date	Time	Received By	Date	Time
1.	A H HENKE NCE	1/4/19	0245		1/4/19	0245
2.	Frank Ra	1-14-19	10:00		1/4/19	1000
3.		1-4-19	1730		1/7/19	0813

BC Laboratories, Inc.

14-00497

Chain of Custody Form

Report To:
Client: NCE
Attn: ANNA HENKE
Street Address: 1185 S. ARLINGTON AVE, SUITE 111
City, State, Zip: RENO, NV 89509
Phone: 775-846-7317 Fax:
Email Address: ahenke@nconet.com
Work Order #:

Project #: 1101 07 25
Project Name: PLACER
Sampler(s): A H HENKE

Page 1 of 2

Comments:

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled	EPA 8015B/EPA	EPA 8260B	EPA 8260B LUFT EPA (SIGEL)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
1	B-5-2.5	1/2/19	1110	✓	✓	✓	✓						10	pid = 0.4
1	B-5-5.0	1/2/19	1118	✓	✓	✓	✓						10	0.3
1	B-5-7.5	1/2/19	1128				✓						10	0 (SATURATED)
1	B-2-2.7	1/2/19	1210	✓	✓	✓	✓						10	0
1	B-2-5.0	1/2/19	1300				✓						10	0
1	B-2-7.5	1/2/19	1306				✓						10	0 (SATURATED)
1	B-7-3.0	1/2/19	1415	✓	✓	✓	✓						10	0
1	B-7-5.2	1/2/19	1426				✓						10	0
1	B-10-2.5	1/3/19	2234	✓	✓	✓	✓						10	0
1	B-10-5.0	1/3/19	2246				✓						10	0
1	B-9-3.0	1/4/19	0030	✓	✓	✓	✓						10	0
1	B-9-5.0	1/4/19	0036				✓						10	0
1	B-8-2.5	1/4/19	0109	✓	✓	✓	✓						10	0
1	B-3-2.5	1/4/19	0144	✓	✓	✓	✓						10	0

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 10 work days

Billing ☑ Same as above

Client:
Address:
City: State Zip
Attn:
PO#: 1011.07.25

EDF Required? Geotracker ☐ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☐ No

Global ID (Needed for EDF)

System # (Needed for EDT)

	Date	Time		Date	Time
1. Relinquished By: [signature] A H Henke NCE	1/4/19		1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

BC Laboratories, Inc.

11-00497

Chain of Custody Form

Client: NCE
Attn: Anna Henke
Street Address: 1185 S Arlington Ave, Suite 111
City, State, Zip: Reno, NV 89509
Phone: 775-846 7317 Fax:
Email Address: ahenke@nconel.com
Work Order #:

Project #: 1011.02.25
Project Name:
Sampler(s): A H Henke

Page 2 of 2

Comments:

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled	EPA 8260	EPA 8260B	Chem FFP (Sieve)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
	B-3-5.0	1-4-19	0150	✓	✓	✓	✓						STD (10)	pid = 0

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☑ No

* Standard Turnaround = 10 work days

Billing ☐ Same as above

Client:
Address:
City: State Zip
Attn:
PO#: REF (Job # 1011.02.25

EDF Required? Geotracker ☐ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☐ No

Global ID (Needed for EDT)

System # (Needed for EDT)

	Date	Time		Date	Time
1. Relinquished By: [signature] Anna Henke	1/4/19		1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

...NE AT 10.5'

BC LABORATORIES INC. | COOLER RECEIPT FORM | Page 1 Of 12

Submission #: 14-00497 | 1776

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☐ (Specify) GSO

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)

FREE LIQUID
YES ☒ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☐ Comments:

All samples received? Yes ☑ No ☐ | All samples containers intact? Yes ☑ No ☐ | Description(s) match COC? Yes ☐ No ☑

☒ COC Received ☒ YES ☐ NO

Emissivity: 0.97 | Container: | Thermometer ID: 208

Temperature: (A) 4.0 °C / (C) 3.6 °C

Date/Time 11/05/14 11:00

Analyst Init JRG

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
~~8oz / 16oz / 32oz~~ JAR 16oz X10	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JR Date/Time: 11/7/14 1115

A = Actual / C = Corrected

BC LABORATORIES INC. | COOLER RECEIPT FORM | Page 21 Of 12

Submission #: 14-00447

JM 1/7/19

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☐ (Specify) GSO

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)

FREE LIQUID
YES ☒ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☐ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Thermometer ID: 208

Temperature: (A) 4.0 °C / (C) 3.6 °C

Date/Time 1/05/19 11:00

Analyst Init DRG

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / ~~16oz / 32oz~~ JAR 4oz X10	A	A	A	A	A					
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JM Date/Time: 1/7/19 1115

A = Actual / C = Corrected

Rev 21 05/23/2016

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