HAZARD ASSESSMENT

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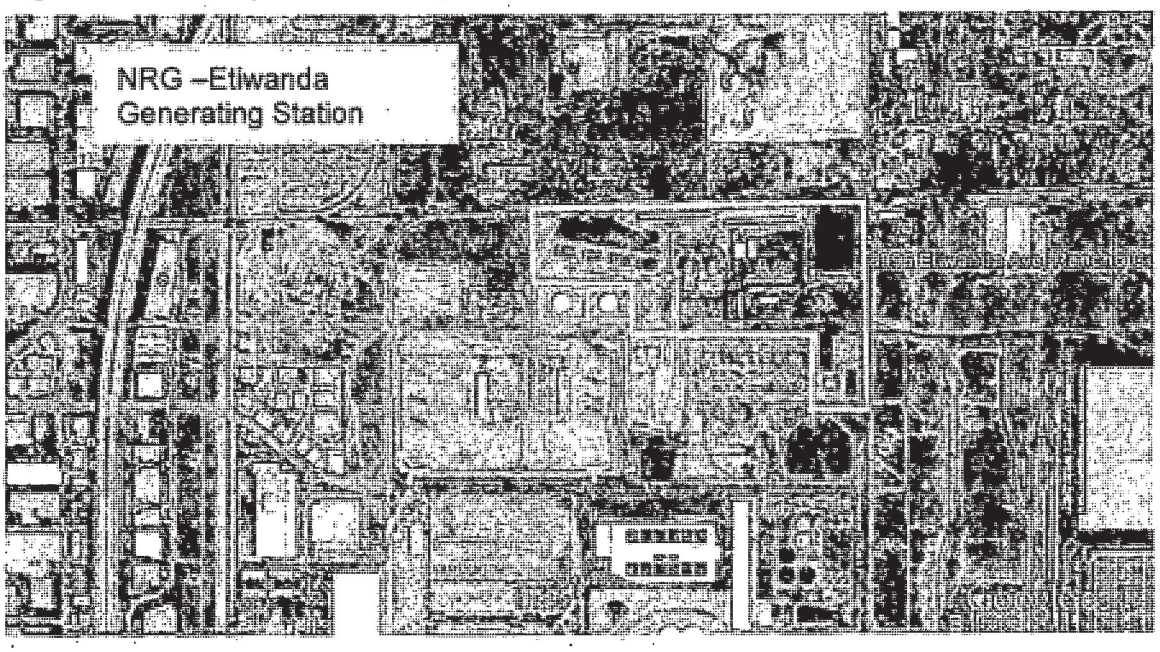
Attachment A: Circle of Concern

Attachment B: Worst-Case Scenario Calculations and Modeling Parameters

1.0 OVERVIEW

This technical assessment was conducted to fulfill the Offsite Consequence Analysis (OCA; Hazard Assessment) requirements of the California Accidental Release Prevention (CalARP) Program for the **NRG California South LP (NRG) – Etiwanda Generating Station (EGS)** in Rancho Cucamonga, California, in accordance with California Code of Regulations, Title 19, Sections 2750.1 to 2750.8 (19 CCR §2750.1 – 2750.8) [1]. The facility's location at 8996 Etiwanda Avenue, Rancho Cucamonga, California 91739 is depicted in Figure 1. The latitude and longitude of the facility are 34° 5' 29" N and 117° 31' 40" W.

Figure 1: Aerial Map of the Facility Location



2.0 COVERED PROCESS

NRG - EGS is a generating plant that provides power to the San Bernardino County area. ***NRG - EGS*** stores aqueous ammonia, a listed toxic substance, more than the threshold quantity in two storage tanks onsite; thus, it is subject to 19 CCR §2750.1 - 2750.8.

This Hazard Assessment will focus on the dispersion of the regulated substance at the facility. The facility is classified as Program Level 1 and is regulated by CalARP regulations for aqueous ammonia. Table 1 provides the CalARP applicability of the process.

Table 1: CalARP Applicability and Basis

Covered Process	Regulated Substance	CalARP Program Level	Quantity Onsite (lbs.)	Threshold Quantity (lbs.)
Selective Catalytic Reduction Unit	Ammonia	1	25,000	500

3.0 OFFSITE CONSEQUENCE ANALYSIS

The focus of this report is the facility's CalARP regulated process, the Selective Catalytic Reduction Unit (SCR). As stated in 19 CCR §2750.1 - 2750.8, a worst-case release scenario analyses must be performed for all Program Level 1 facilities. The worst-case release scenario evaluates potential offsite impacts resulting from the release of 19% aqueous ammonia solution into a pool. Details regarding the worst-case release scenarios are provided in the following sections.

As part of this analysis, a toxic endpoint has been assigned based on the Offsite Consequence Analysis Guidance (OCAG) document by the United States Environmental Protection Agency (US EPA) [2]. The toxic endpoint is used to provide an estimate of the concentration, within which reasonably healthy individuals could remove themselves from exposure without suffering adverse health effects. The toxic endpoints ensure that calculated results over-predict the consequences of release, to the benefit of the public.

Table 2: Maximum Downwind Distance for 19% Aqueous Ammonia

Release Scenario	Toxic Endpoint	Maximum Toxic Endpoint Distance	Population at Risk
Worst-case Release	200 ppm (0.14 mg/L)	0.1 mi	0

As required by 19 CCR §2750.1 - 2750.8, Table 2 summarizes the maximum downwind distance at the toxic endpoint concentration and the estimated population at risk of being exposed for each release. The "at risk" population numbers are the estimated number of people within the radius of the maximum downwind distance reached by the plume in all wind directions. These distances are based on calculations detailed within the OCAG document.

3.1 Level of Concern

The toxic endpoint (Endpt) is used according to US EPA exposure guidelines in order to assist with evacuation decision-making, and is intended to guide emergency response. Toxic

endpoint concentration values are based on ERPG-2 values (defined below), are 0.1 times the Immediate Danger to Life and Health (IDLH) value, or for a few chemicals, are estimated at some fraction of median lethal dose (LC_{50}) values for some animals. The LC_{50} value is the dose of a toxin required to kill half the members of a tested population after the test duration is complete. Toxic endpoints are listed in Appendix A of 19 CCR [3].

The Endpt is used to quantify off-site impacts of an ammonia release. In many cases, these concentrations are provided in units of parts per million (ppm) or milligrams per liter (mg/L). The following equation can be used to convert from mg/l to ppm. The toxicity concentrations are listed in Table 3.

$$Endpt_{ppm} = \frac{Endpt_{mg/L} \times 1{,}000 \times 24.5}{MolecularWeight}$$

Table 3: Ammonia Toxicity Threshold Concentrations

Exposure Level	Ammonia Concentration (ppm)
ERPG-1	25
ERPG-2	150
Toxic Endpoint [3]	**200**
IDLH	300

For reference, the following are the definitions of the other toxicity threshold concentrations identified above:

- ERPG-1 is the "the maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour without experiencing other than mild transient adverse health effects or perceiving a clearly defined, objectionable odor."
- ERPG-2 is the "the maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour without experiencing or developing irreversible or other serious health effects or symptoms which could impair an individual's ability to take protective action."
- IDLH is the concentration defined as posing an immediate danger to life and health (i.e., causes toxic effects for a 30-minute exposure).

3.2 Worst-Case Scenario

The US EPA's OCAG document was used to evaluate the worst-case release scenario for a 19% aqueous ammonia solution. The CalARP regulations determine that the worst-case release quantity shall be the greater of the following [19 CCR §2750.3(b)]:

(1) For substances in a vessel, the greatest amount held in a single vessel, taking into account administrative controls that limit the maximum quantity; or

(2) For substances in pipes, the greatest amount in a pipe, taking into account administrative controls that limit the maximum quantity.

Furthermore, CalARP regulations define the worst-case release scenario for toxic liquid releases as follows [19 CCR §2750.3(d)]:

(1) For regulated toxic substances that are normally liquids at ambient temperature, the owner or operator shall assume that the quantity in the vessel or pipe is spilled instantaneously to form a liquid pool.

(A) The surface area of the pool shall be determined by assuming that the liquid spreads to 1 centimeter deep unless passive mitigation systems are in place that serves to contain the spill limit the surface area. Where passive mitigation is in place, the surface area of the contained liquid shall be used to calculate the volatilization rate.

(B) If the release would occur onto a surface that is not paved or smooth, the owner or operator may take into account that actual surface characteristics.

(2) The volatilization rate shall account for the highest daily maximum temperature occurring in the past three years, the temperature of the substance in the vessel, and the concentration of the substance if the liquid spilled is a mixture or solution.

(3) The rate of release to air shall be determined from the volatilization rate of the liquid pool. The owner or operator may use the methodology in the RMP Offsite Consequence Analysis Guidance or any other publicly available techniques that account for the modeling conditions and are recognized by industry as applicable as part of current practices. Proprietary models that account for the modeling conditions may be used provided the owner or operator allows the implementing agency access to the model and describes model features and differences from publicly available models to local emergency planners upon request.

At ***NRG - EGS***, the largest vessels containing the regulated material are the two 10,000-gallon (gal) aqueous ammonia tanks, 3TAK9101 and 4TAK9102. The worst-case release scenario calculation considers the maximum administrative fill limit of 8,000 gallons (80% fill limit) to be released over a 10-minute period. The release of the regulated substance will occur within a diked area of the facility mitigating the consequences of the worst-case scenario. The release rate of aqueous ammonia to the atmosphere is determined using Exhibit B-3 and Section D.2.2 in Appendixes B and D, respectively, of the US EPA OCAG document in conjunction with estimated physical properties calculated in Attachment B of this report. The distance to the toxic endpoint is determined by using lookup tables provided in the *OCAG, Table 3* [5]. A summary of this scenario is presented in Table 4 below.

Table 4: Worst-Case Scenario Results Summary

Release Scenario	Endpoint	Endpoint Distance
8,000-gal. aqueous ammonia tank rupture	200 ppm	0.1 miles

3.3 Estimation to Toxic Endpoints

The vulnerability zone created through the worst-case scenario was 0.1 miles. A vulnerability zone is defined as a circle whose center is the point of release and its radius is the length of the endpoint, which is predicted by dispersion modeling (e.g., OCAG). When considering risk, it should also be noted that models for the worst-case scenario are very unlikely. This low probability of a potential release is also consistent with the benign operating history of the facility. See Attachment B for release rate calculations and input parameters used to determine distance to endpoint determination.

In order to determine the impacted population around the facility, the potential for exposure to concentrations exceeding the toxic endpoint was calculated. The toxic endpoint for 19% aqueous ammonia is identified in Table 3. The furthest toxic endpoint distances reached by the worst-case release scenario are summarized in Table 2 along with the estimated populations that are at risk of being exposed in the event of a release at the facility. This "at risk" population represents the number of people that live within the radius of the maximum downwind endpoint distances reached by the plume in all wind directions.

CalARP requirements state that sensitive populations such as schools, hospitals, day-care centers, long-term health care facilities, prisons, residential areas, public use parks/recreational areas, and major commercial facilities, located within the "at risk" area must be identified. These

sensitive populations include individuals who could not remove themselves from the exposure area without assistance. The sensitive populations also include industrial installations which may have a hazardous process that cannot be immediately left unattended. At ***NRG - EGS***, it is determined that the worst-case release would not reach any location offsite, therefore no receptors are listed.

3.4 Modeling Assumptions

The CalARP regulations impose several assumptions that were adhered to when performing the OCA of the worst-case release scenario. These are conservative assumptions for weather and release conditions. The distance to the endpoint estimated under worst-case conditions provides an estimate for the maximum possible area that might be affected by these unlikely conditions. It should be noted that CalARP regulations intend for the vulnerability zone representing a worst-case release scenario to provide a basis for discussion among the regulated industry, emergency responders, and the public, rather than a basis for any specific actions. The parameters that were used are given in the following sub-sections.

Meteorological Parameters

For the worst-case scenario all wind directions were considered, and therefore the maximum downwind distance from the dispersion model is applied in all directions. This creates a maximum circle of concern. The weather conditions used for modeling are summarized in Table 5 below.

Table 5: Meteorological Conditions used in Scenario Modeling

Release Scenario	Relative Humidity	Wind Speed	Stability Class	Wind Direction (blowing from)	Ambient Temperature
Worst-case	50%	1.5 m/s	F	Any Direction	107 °F

Dispersion & Impact Modeling Parameters

The height of release was considered at ground level, per the US EPA RMP Rule requirement.

Mitigation Systems

Once a release has occurred, mitigation systems are means (structures, equipment, or activities) that help minimize the transport of material to the atmosphere. Mitigation systems can be characterized as passive or active systems.

- Passive mitigation systems do not require activation, an energy source, or movement of components to perform their intended function.
- Active mitigation systems do require activation, an energy source, and/or movement of components to perform their intended function.

For ***NRG - EGS***, no active mitigation is used in the assessment of the worst-case scenario. Passive mitigation is present in the form of secondary containment areas and is credited for the worst-case scenario.

Topography

An aerial map was presented previously in Figure 1, which shows the ***NRG - EGS*** property and surrounding area. The ammonia process is located in an area surrounded by buildings in all directions. Due to these impediments, the facility's surrounding was conservatively classified as urban. The facility's topography was classified as urban by using the guidance in Title 40 CFR Part 51 Appendix W [4].

> c. Land Use Procedure: (1) Classify the land use within the total area, Ao, circumscribed by a 3km radius circle about the source using the meteorological land use typing scheme proposed by Auer 73; (2) if land use types I1, I2, C1, R2, and R3 account for 50 percent or more of Ao, use urban dispersion coefficients; otherwise, use appropriate rural dispersion coefficients.

4.0 FIVE-YEAR ACCIDENT HISTORY

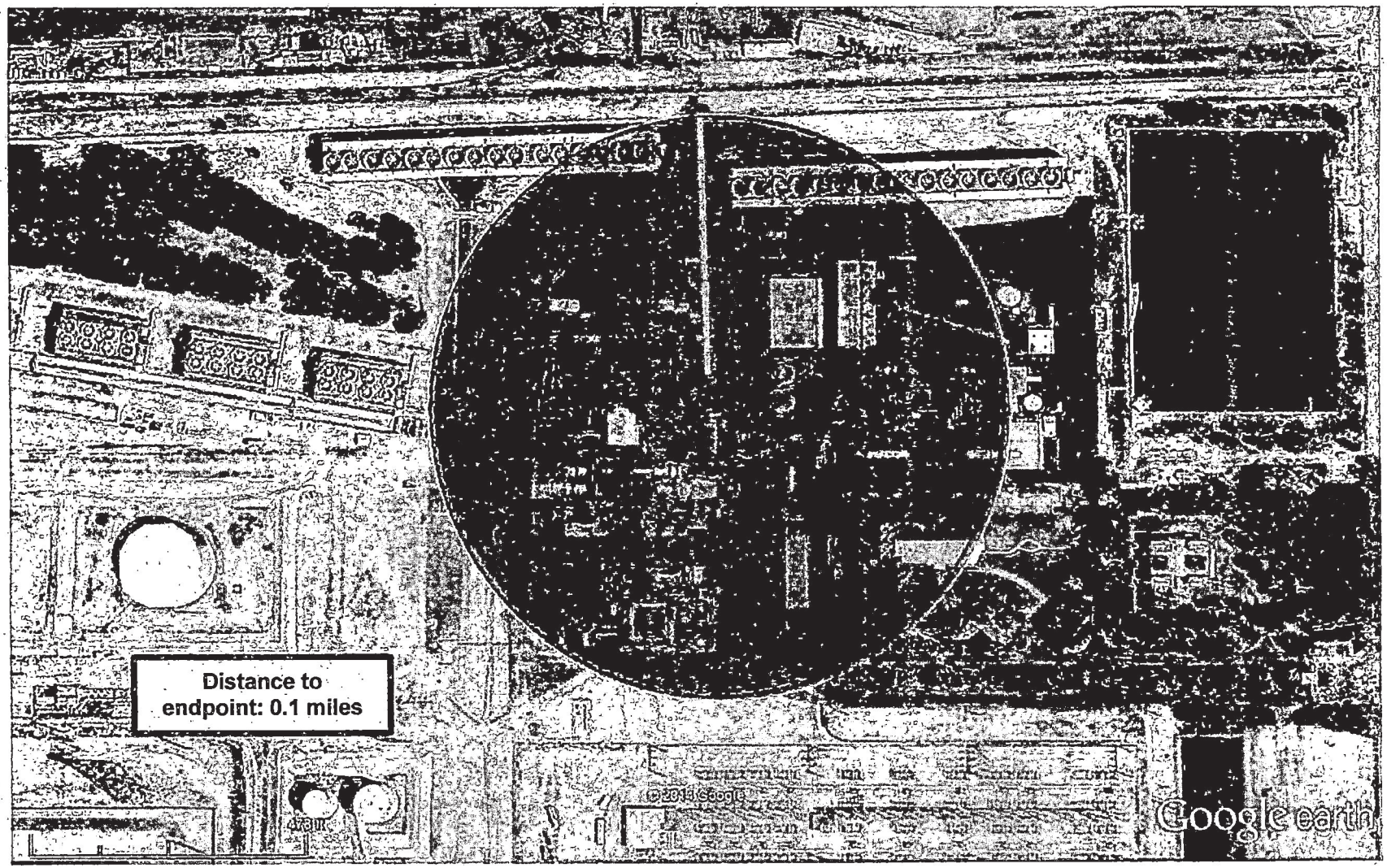
There have been no reportable near misses, minor accidents, or aqueous ammonia releases at the facility in the last five years as defined by 19 CCR §2750.1 - 2750.8.

5.0 REFERENCES

1. California Code of Regulations, Title 19, Sections 2750.1 to 2750.8, June 28, 2004.
2. "Risk Management Program Guidance for Off-Site Consequence Analysis", EPA 550-B-99-009, March 2009.
3. California Code of Regulations, Title 19, Appendix A: Table of Toxic Endpoints, June 28, 2004.
4. Code of Federal Regulations, Part 51, Chapter 1, Appendix W, "Summaries of Preferred Air Quality Models", 7-1-11.

ATTACHMENT A:
CIRCLE OF CONCERN

Circle of Concern for the Worst-Case Scenario



ATTACHMENT B:
WORST-CASE SCENARIO CALCULATIONS AND MODELING PARAMETERS

Worst-Case Scenario Calculations

The worst-case release scenario calculation considers the hypothetical rupture of one of two 10,000-gallon tanks (3TAK9101 or 4TAK9102) with the contents being released over a 10-minute period. For the worst-case scenario, Tank 3TAK9101 was selected due to it being the process containing the most aqueous ammonia. An administrative control of 80% fill capacity is placed on the tanks, effectively reducing the volume to approximately 8,000 gallons. The following table provides the volume calculations for Tank 3TAK9101.

Storage Tank Volume Calculation				
Length (ft)	**Diameter (ft)**	**Volume (ft^3)**	**Capacity without Controls (gal)**	**Capacity with Controls (gal)**
17	10	1,335	9,987	7,990

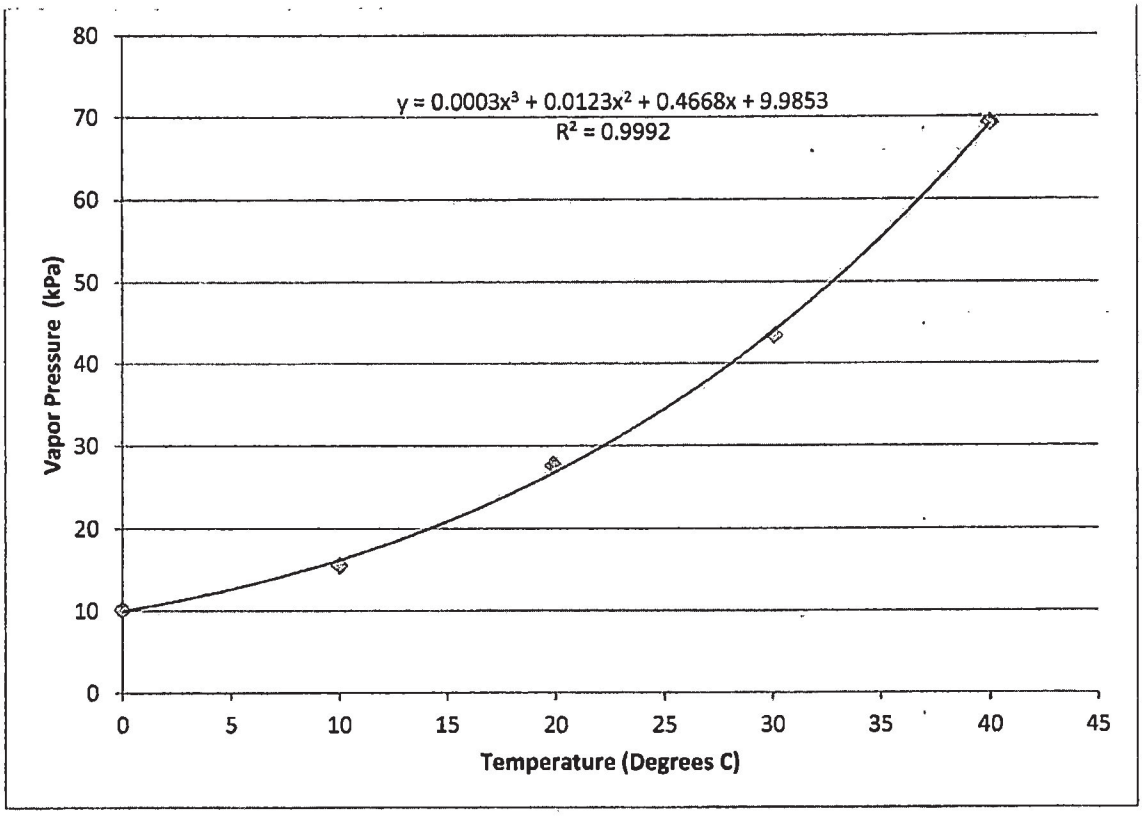
For the worst-case scenario, it is assumed that the aqueous ammonia spills from Tank 3TAK9101 into the diked containment region immediately surrounding the tank. The total surface area for the containment region is determined to be 845 square feet (ft^2). The table below provides surface area calculations for the containment region.

Containment Region Surface Area Calculation		
Diked Region Surrounding Tank (ft^2)	**Surface Area Displaced by Two Tanks (ft^2)**	**Combined Area (ft^2)**
1,185	340	845

The containment region for the worst-case scenario is significantly greater than the volume of the worst-case release and can be verified by visual inspection. The aqueous ammonia pool within the containment region would evaporate under ambient conditions, potentially forming a toxic vapor cloud. Per Chapter 3, section 3.2.3 of the Risk Management Plan Offsite Consequence Analysis Guidance (OCAG) document [B-1], the surface area of the contained liquid was used to calculate the release rate (to air). The vapor pressure is calculated using the best-fit line for interpolated data, at concentrations of 19% aqueous ammonia. Plots and data points are listed in the table below.

Pressure vs Temperature Model Generator	
Temperature (°C)	**Pressure (kPa)**
0	10.14719
10	15.5579
19.9	27.6618
30.09	43.3683
40	69.2575
50	91.3291

Plot of Vapor Pressure vs. Temperature



The equation used for calculating the release rate of the aqueous ammonia is shown below.. Assumptions for wind speed and molecular weight are derived the California Air Resource Board [B-1] and estimated properties of aqueous ammonia [B-2], respectively, as per the requirements in the OCAG document. The highest daily temperature in the last three years was derived from an online source [B-3], as per requirements outlined in the California Code of Regulations [B-4].

$$\frac{QR}{A} = \frac{0.284 * U^{.78} * MW^{\frac{2}{3}} * VP}{82.05 * T}$$

Where:

U (wind speed) = 1.5 meters per second (m/s)

MW (molecular weight of NH_3) = 17 grams per gram-mole (g/g-mol)

A (area) = 845 square feet (ft^2; calculated above)

VP (vapor pressure) = 543 millimeters of mercury (mmHg; calculated above)

T (highest daily temperature in past 3 years) = 314.8 Kelvin (K)

QR (release rate) = 45.8 pounds per minute (lbs/min)

A release rate of 45.8 lbs/min of aqueous ammonia, as determined above, and the toxic endpoint, as found in Appendix B, Exhibit B-3 of the OCAG document, are used to determine the distance to the toxic endpoint by using lookup tables provided in the OCAG document (Table 3).

The OCAG Model predicts that the area impacted by the endpoint, which is 200 parts per million (ppm), is a circle with a radius of approximately 0.1 miles. The following table illustrates the scenario modeling parameter summary.

WCS Modeling Parameters	
Regulated Substance	19% Aqueous Ammonia
Vessel	Aqueous Ammonia Storage Tank (3TAK9101)
Unit & Location	Selective Catalytic Reduction Unit
Latitude / Longitude	34° 5' 29" N and 117° 31' 40" W
Physical State	Liquid
Basis Of Results	OCAG document

WCS Modeling Parameters	
Scenario	Toxic Liquid
Quantity Released	8,000 gallons of solution
Release Rate	45.8 lbs/min
Release Duration	10 minutes
Wind Speed & Stability Class	1.5 m/s; F Stability
Topography	Urban
Distance To Endpoint	0.1 miles to 200 ppm Toxic Endpoint
Public & Environmental Receptors	No Offsite Receptors
Passive Mitigation Considered	Diked Region 845 ft^2

Calculation References

B-1 California Air Resources Board (CARB) website, http://www.arb.ca.gov/toxics/harp/metfiles.htm.

B-2 Estimated Physical Properties of: 19% Aqueous Ammonia, June 1998

B-3 "Risk Management Program Guidance for Off-Site Consequence Analysis", EPA 550-B-99-009, March 2009.

B-4 "Local Extreme Weather," http://www.wunderground.com/climate/local_extremes.asp?query=76164&MR=1, accessed July 19, 2014.

B-5 California Code of Regulations, Title 19, Sections 2750.1 to 2750.8, June 28, 2004.

Stormwater Management Program

Annual Comprehensive Site Compliance Evaluation

1. Name of Building or Operation: _____
2. Operation Representative: _____

   Position: _____ Phone No.: _____

	Yes	No	Not Applicable
3. Facility's Storm Water Pollution Prevention Plan (SWPPP) easily accessible in each building?	_____	_____	_____
4. Awareness of SWPPP by facility personnel? (Random survey of employees of site.)	_____	_____	_____
5. Facility's Emergency Response Plan and Procedures easily accessible in each building?	_____	_____	_____
6. Awareness of Emergency Response Plan 7. And Procedures by facility personnel? (Random survey of employees on site)	_____	_____	_____
8. Evaluation Checklist (page 2 of 2) completed?	_____	_____	_____
9. Was any stormwater pollution prevention training conducted during the year?	_____	_____	_____
10. Were nonstormwater discharge visual observations conducted? List Dates:	_____	_____	_____
11. Were stormwater discharge visual observations conducted? List Dates:	_____	_____	_____
12. Were stormwater discharge samples collected for two storm events? List Dates:	_____	_____	_____

Evaluation Notes: _____

_____

_____

_____

Corrective Measures Recommended: _____

_____

_____

_____

Evaluation Conducted By: _____ Date: _____

This completed evaluation was reviewed with me on: _____

Date:

Operation Representative: _____

Signature

CERTIFICATION STATEMENT

NRG California South LP

8996 Etiwanda Avenue, 91739

Rancho Cucamonga, California ~~90723~~ RT

Certification Statement for Program 1 Process: Selective Catalytic Reduction System

To the best of the undersigned's knowledge, information, and belief formed after reasonable inquiry, the information submitted here is true, accurate, and complete.

Signature

Marco Tule
Print Name

Environmental Specialist
Title

10/4/14
Date

ACKNOWLEDGMENT

The following acknowledges the participation and contribution of the following individuals for the **NRG California South LP (NRG) – Etiwanda Generating Station (EGS)** California Accidental Release Prevention (CalARP) Program Submittal:

NRG California South LP:

- Rick Fatten
- Marco Tule

Risk Management Professionals:

- George Manuhu
- Stephanie Smith

Please direct any questions or comments to the ***NRG - EGS*** CalARP Coordinator, or Risk Management Professionals Staff at (949) 282-0123 or info@RMPCorp.com.

CALARP PROGRAM 1 SUBMITTAL

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1.0 INTRODUCTION

NRG California South LP (NRG) – Etiwanda Generating Station (EGS) has developed a Risk Management Program to address the California Accidental Release Prevention (CalARP) Program requirements. The facility is diligent in the handling of all chemicals and dedicated to the safety of its employees and the neighboring community. The facility's staff is trained and utilizes equipment to monitor the facility and provide safeguards, while effectively and safely using ammonia.

2.0 REQUIREMENTS

The CalARP Program requirements apply to California facilities that have quantities of hazardous materials over threshold values that were gauged to have a potential for off-site hazard. Facilities in the CalARP Program may be subject to the following elements, based on their program level determination.

- Management System
- Hazard Assessment
- Prevention Program
- Emergency Response

In reviewing the technical data for ***NRG - EGS***, the Selective Catalytic Reduction (SCR) System is the single, covered process that is subject to the CalARP Program. This CalARP Submittal is offered to address the requirements outlined in California Code of Regulations, Title 19, Division 2, Chapter 4.5, Sections 2735-2785, "California Accidental Release Prevention (CalARP) Program" [19 CCR §2735 – 2785].

The Regulatory Compliance Matrix in Section 5.0 of this document provides an efficient and traceable mechanism for reviewing/updating the CalARP Prevention Program developed for the facility.

3.0 MANAGEMENT SYSTEM

All CalARP facilities are required by 19 CCR § 2735.6 to:

- develop a management system to oversee the implementation of the CalARP Program elements;
- designate a qualified person with overall responsibility for the development and integration of the CalARP Program elements; and

- document the people or positions and define the lines of authority through an organizational chart or similar document.

For ***NRG - EGS***, Marco Tule is the CalARP Coordinator and is responsible for the implementation and maintenance of the Program.

4.0 EXECUTIVE SUMMARY

ACCIDENTAL RELEASE PREVENTION POLICIES

NRG - EGS has developed a risk management program and emergency response plan to address CalARP Program requirements (19 CCR §2735-2785). ***NRG - EGS*** is diligent in the handling of all chemicals and is dedicated to the safety of its employees and the neighboring community.

NRG - EGS has a long standing commitment to worker and public safety. This commitment is demonstrated by the facility's benign operating history. ***NRG - EGS***'s policy is to implement reasonable controls to prevent foreseeable releases of regulated substances.

STATIONARY SOURCE AND REGULATED SUBSTANCE

The stationary source address is listed as 8996 Etiwanda Avenue, Rancho Cucamonga, California 91739. The total quantity of19% aqueous ammonia (the regulated substance) onsite is approximately 16,000 gallons (125,000 lbs), which is located in the Aqueous Ammonia Storage Tanks as part of the SCR system. The total quantity of anhydrous ammonia present in the aqueous ammonia solution, based on 19% active ingredient by weight, is approximately 25,000 pounds.

HAZARD ASSESSMENT SUMMARY/OFFSITE CONSEQUENCE ANALYSIS

Worst-Case Release Scenario Results Summary

Per the CalARP Regulations, one worst-case analysis has been defined and modeled for the covered process. The results can be found in the Hazard Assessment documentation.

RISK CONSIDERATIONS

Although the use of 19% aqueous ammonia and power generation has inherent potential risks, and worst-case release scenarios can potentially reach the community; ***NRG - EGS*** has

recognized these potential risks and structured its safety programs to make the worst-case type of event non-credible.

In addition to the use of conservative analysis assumptions that over-predict the effects of a potential release, other characteristics of the facility and site serve to minimize the potential risks associated with an ammonia:

- The system has alarms and interlocks to minimize the potential for operating outside the normal parameters
- The system undergoes periodic preventive maintenance to reduce the likelihood of catastrophic failures.

FIVE-YEAR ACCIDENT HISTORY

There have been no CalARP-applicable releases of aqueous ammonia at the facility in the past five (5) years.

EMERGENCY RESPONSE PROGRAM

NRG - EGS is committed to providing a safe and healthful work environment for its employees, the surrounding community and the environment. The prevention of accidents, injuries, fires, emergency releases and other emergency situations is of utmost importance and shall be the first priority for all persons working at the generating station.

It is anticipated that accidents, injuries and emergency situations may still occur. The Emergency Response Plan (ERP) will provide guidelines for a coordinated emergency management system in the generating station to respond to such situations. The ERP utilizes proven techniques of the Incident Command System. When situations dictate, the system will utilize the combined effort from all departments, mutual aid groups and municipal agencies in order to mitigate emergency incidents in a safe, effective and timely manner. Per 19 CCR §2765.2 the ERP includes:

- A written emergency response plan, which shall be maintained at the stationary source and contain at least the following elements:
  - procedures for informing and interfacing with the public and local emergency response agencies about accidental releases, emergency planning, and response;
  - documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures; and,

  - procedures and measures for emergency response after an accidental release of a regulated substance.

- Procedures for the use of emergency response equipment and for its inspection, testing, and maintenance.
- Training for all employees in relevant procedures and relevant aspects of the Incident Command System.
- Procedures to review and update as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes.

TOXIC LIQUIDS: WORST CASE

Scenario Description: One worst-case release scenario was modeled. The results can be found in the Hazard Assessment – Attachment B documentation located behind the Hazard Assessment Tab in the Submittal Binder located at the facility.

5.0 CALARP PLAN COMPONENTS

The tables on the following pages were provided in order to satisfy the requirements listed below:

- Section 2740.1 (d) Registration
- Section 2745.4 RMP Offsite Consequence Analysis Component
- Section 2745.5 RMP Five-year Accident History Component
- Section 2745.8 RMP Emergency Response Program Component

Part 1: CalARP Submittal Information	
Facility Name	Etiwanda Generating Station
Street	8996 Etiwanda Avenue
City	Rancho Cucamonga
State	California
Zip	91739
Latitude	34° 5' 29" N
Longitude	117° 31' 40" W
Lat/Long Method	Verified on Google Maps
Lat/Long Description	Approximately 2.25 miles NE of the junction of Interstates 10 and 15, approx. 50 miles east of Los Angeles, CA.

Part 2: Owner/Operator	
Name	NRG California South LP
Phone	909-899-7260
Street	8996 Etiwanda Avenue
City	Rancho Cucamonga
State	California
Zip	91739

Part 3: Name and Title of Person/Position Responsible for CalARP Implementation	
Name	Marco Tule
Title of person or position	Environmental Compliance Specialist
Email Address	marco.tule@nrg.com

Part 4: Emergency Contact	
Name	Lee J. Moore
Title	General Manager
Phone	909-899-7241
24-Hour Phone	909-841-5949
Email Address	lee.moore@nrgenergy.com

Part 5: Additional Information	
Number of Full Time Equivalent Employees on Site	34
Last Safety Inspection (By External Agency) Date	06/28/2017
Last Safety Inspection Performed by an External Agency (OSHA, EPA, Fire Dept, etc.)	County Sanitation Districts of Los Angeles County - Industrial Waste Inspector and Inland Empire Utilities Agency - Pretreatment and Source Control Inspector

Part 6: Process	
Process Name	Selective Catalytic Reduction System
NAICS Code	221112 Fossil Fuel Electric Power Generation
Chemical Name	19% Aqueous Ammonia
Quantity (of solution)	16,000 gallons (125,000 lbs)

Part 7: CalARP RMP Preparer Information	
Name	Risk Management Professionals, Inc.
Telephone	949-282-0123
Street	2 Venture Plaza, Suite 500
City	Irvine
State	California
ZIP	92618

Part 8: Toxics: Worst Case	
Chemical Name	19% Aqueous Ammonia
Physical State	Liquid
Model Used	EPA Offsite Consequence Guidance Document
Scenario	Toxic Liquid
Quantity Released	8,000 gallons of solution
Release Rate (into atmosphere)	45.8 lbs/min
Release Duration	10 minutes
Wind Speed (m/s)	1.5 m/s
Atmospheric Stability Class	F Stability
Topography	Urban
Distance to Endpoint	0.1 miles to 200 ppm Toxic Endpoint
Estimated Residential Population within a distance to endpoint	0
Public Receptors	0
Environmental Receptors	0
Passive Mitigation	Diked Region 845 ft^2

Part 9: Accident History	
Any reportable accidents in the last five years?	There are no releases as define by the EPA of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

Part 10: Emergency Response	
Is the facility included in a written community emergency response plan?	Yes
Does the facility have its own written emergency response plan?	Yes
Does the facility's ER Plan include specific actions to be taken in response to accidental releases of regulated substances?	Yes
Does the facility's ER Plan include procedures for informing the public and local agencies responding to accidental releases?	Yes
Does the facilities ER plan include information on emergency health care?	Yes
Date of most recent review or update of facility's ER Plan	2013
Date of most recent ER Training for facility's employees	Annually
Local Agency with which facility's ER Plan or response activities are coordinated:	Rancho Cucamonga Fire Department
Local Agency's Telephone Number	(909) 477-2770

CUPA
San Bernardino County Fire Department - Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 - (909) 386-8401 FAX (909) 386-8460

CALIFORNIA ACCIDENTAL RELEASE PREVENTION (CalARP) PROGRAM DE-REGISTRATION

FACILITY ID # F A 0 0 0 2 9 4 3

I. FACILITY / STATIONARY SOURCE IDENTIFICATION

STATIONARY SOURCE NAME	PHONE
NRG Etiwanda Generating Station	(909) 899-7208

STATIONARY SOURCE ADDRESS	CITY
8996 Etiwanda Avenue	Rancho Cucamonga

II. OWNER/OPERATOR IDENTIFICATION

OWNER/OPERATOR NAME	PHONE
NRG Energy Inc.	(909) 899-7208

MAILING ADDRESS	CITY	STATE	ZIP CODE
8996 Etiwanda Avenue	Rancho Cucamonga	CA	91739

III. REGULATED SUBSTANCE(S) NO LONGER HANDLED OR SUBJECT TO CalARP REGULATIONS

A. Name of Each Regulated Substance:	Percent by Weight	Process Maximum Quantity (lbs.)	CAS #
1. Aqueous Ammonia	19%	160,000	7664-41-7
2.			
3.			

B. Name of Each Regulated Substance in a Mixture:	Percent by Weight	Process Maximum Quantity (lbs.)	CAS #
1.			
2.			

REASON FOR DISCONTINUED USE OR EXEMPTION:

The substance (Aqueous Ammonia) was removed from the site on June 26, 2018 by Airgas Speciality Products as part of decommissioning the plant.

IV. CERTIFICATION

I, as the owner or operator of the aforementioned business, hereby certify that the registration information provided above is true, accurate and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

SIGNATURE OF OWNER/OPERATOR	DATE
	8/21/18

NAME OF OWNER/OPERATOR	TITLE OF OWNER/OPERATOR
Robert Rea	O&M Manager

SAN BERNARDINO COUNTY
FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

MARK A. HARTWIG
Fire Chief/Fire Warden

November 3, 2014

ETIWANDA GENERATING STATION
8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA 91739

ATTENTION: CHARLES LINDER-ENVIRONMENTAL COMPLIANCE SPECIALIST

SUBJECT: RISK MANAGEMENT PLAN – OPERATIONS SUPERVISOR

FACILITY: ETIWANDA GENERATING STATION
8996 ETIWANDA AVENUE RANCHO CUCAMONGA, CA 91739

This Department has reviewed the Risk Management Plan (RMP) and related documents for a Program Level 1 RMP received by this Department on October 21, 2014. This Department has accepted the RMP as complete per Article 2 of Chapter 6.95 of the California Health and Safety Code. There are a number of administrative details along with additional requirements that still need to be addressed listed below.

Electronic Reporting of Unified Program data / California Environmental Reporting System (CERS)

This facility has electronically reported all Unified Program-related data, including The Business Emergency/Contingency Plan via CERS.

General Duty Clause

Please note, Etiwanda Generating Station has a general duty under Section 112(r) of the federal Clean Air Act Amendments to prevent and mitigate the consequences of releases. (See enclosed General Duty Clause fact sheet.) Therefore documentation of evaluation, prevention, mitigation, and training such as described in the RMP should be maintained by the owner/operator of the stationary source.

Public Notice

Section 25535.2 of the California Health and Safety Code requires that a notice indicating the RMP is available for review be placed in a daily local newspaper or on our website (www.sbcfire.org) within 15 days after the administering agency has determined that the RMP is complete. This Department will place this notice on our website for the 45 day public review period of November 3, 2014 until December 17, 2014. The CUPA will then make the RMP available at our San Bernardino office for public review and comment for 45 days. Public comments are considered in the final review of the RMP.

GREGORY C. DEVEREAUX
Chief Executive Officer

Board of Supervisors
ROBERT A. LOVINGOOD .....First District
JANICE RUTHERFORD.....Second District
JOSIE GONZALES ..... Fifth District
JAMES RAMOS .....Third District
GARY C. OVITT.....Fourth District

Updates and Corrections

The Risk Management Plan and supporting technical documents are required to be updated periodically and in response to specified events. Modifications to the covered process require coordination with the administering agency and revision to the Risk Management Plan and supporting technical studies.

- If the program level should change due to an accident with offsite consequences or due to a process change that requires a revised Offsite Consequence Analysis, the RMP must be updated within six months.
- The RMP and the Offsite Consequence Analysis must be reviewed and updated at least once every 5 years. This Department will be considering **October 21, 2014** to be the submission date for purposes of the 5-year RMP update requirement.
- A change in owner, operator, or qualified person requires changing the registration information (RMP Data Elements) within 30 days of the change.
- The RMP is required to be corrected within one month of any change in emergency contact information and within 6 months of an accidental release meeting the five-year accident history reporting criteria of CCR Section 2750.9.

These and other circumstances requiring updates and corrections can be found in California Code of Regulations (CCR) Title 19 Sections 2745.10, 2745.10.5, 2745.11, and 2750.7.

Future Technical Evaluation and Auditing

The San Bernardino County CUPA will conduct future inspections, evaluations, and/or audits of the Risk Management Program in coordination with other CUPA elements in accordance with CalARP regulations.

Should you have any further questions, please feel free to contact me at bwade@sbcfire.org or (909)-386-8401.

BRIAN WADE, REHS
Hazardous Materials Division
CalARP Program

Enc.: Public Notice and General Duty Clause

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

MARK A. HARTWIG
Fire Chief/Fire Warden

SUBJECT: NOTICE OF AVAILABILITY FOR REVIEW OF A RISK MANAGEMENT PLAN (RMP)

FACILITY: ETIWANDA GENERATING STATION
8996 ETIWANDA AVENUE RANCHO CUCAMONGA, CA 91739

PUBLIC COMMENT PERIOD: November 3, 2014 through December 17, 2014 at 5:00 P.M.

Notice is hereby given in accordance with Section 25535.2 of Chapter 6.95 of the California Health & Safety Code, that the Hazardous Materials Division of the San Bernardino County Fire Department has determined that the Risk Management Plan (RMP) for the storage of aqueous ammonia 19% at Etiwanda Generating Station located at 8996 Etiwanda Avenue in Rancho Cucamonga, is complete and will be available for review and comment by interested persons and public groups from November 3, 2014 until December 17, 2014.

For an appointment to review the RMP, please contact the Hazardous Materials Division at (909) 386-8401 or at 620 South "E" Street, San Bernardino, CA 92415-0153 Monday through Friday between 8:00 A.M. and 5:00 P.M.

All comments shall be submitted in writing no later than 5:00 P.M. on December 17, 2014 to:

RMP Coordinator
San Bernardino County Fire Department
Hazardous Materials Division
620 South "E" Street
San Bernardino, CA 92415-0153

GREGORY C. DEVEREAUX
Chief Executive Officer

Board of Supervisors
ROBERT A. LOVINGOOD .....First District
JANICE RUTHERFORD.....Second District
JOSIE GONZALES ..... Fifth District
JAMES RAMOS .....Third District
GARY C. OVITT.....Fourth District

Part 1: CalARP Submittal Information	
Facility Name	Etiwanda Generating Station
Street	8996 Etiwanda Avenue
City	Rancho Cucamonga
State	CA
Zip	91739
Latitude	34° 5' 29" north
Longitude	117° 31' 40" west
Lat/Long Method	Verified on Google Maps
Lat/Long Description	Approximately 2.25 miles NE of the junction of Interstates 10 and 15, approx. 50 miles east of Los Angeles, CA.

Part 2: Owner/Operator	
Name	NRG California South LP
Phone	909-899-7260
Street	8996 Etiwanda Avenue
City	Rancho Cucamonga
State	CA
Zip	91739

Part 3: Name and Title of Person/Position Responsible for CalARP Implementation	
Name	Apeetha Jain
Title of person or position	Air Quality Specialist
Email Address	apeetha.jain@nrgenergy.com

Part 4: Emergency Contact	
Name	Lee J. Moore
Title	General Manager
Phone	909-899-7241
24-Hour Phone	909-841-5949
Email Address	lee.moore@nrgenergy.com

Part 5: Additional Information	
Number of Full Time Equivalent Employees on Site	34
Last Safety Inspection (By External Agency) Date	06/05/2013
Last Safety Inspection Performed by an External Agency (OSHA, EPA, Fire Dept, etc.)	County Sanitation Districts of Los Angeles County - industrial waste inspector and Inland Empire Utilities Agency - Pretreatment and Source Control Inspector

Part 6: Process	
Process Name	Selective Catalytic Reduction System
NAICS Code	221112 Fossil Fuel Electric Power Generation
Chemical Name	19% Aqueous Ammonia
Quantity (of solution)	17,000 gallons
Quantity (of anhydrous ammonia in solution)	25,000 lbs

Part 7: CalARP RMP Preparer Information	
Name	Risk Management Professionals. Inc.
Telephone	949-282-0123
Street	300 Goddard, Suite 200
City	Irvine
State	California
ZIP	92618

Part 8: Toxics: Worst Case	
Chemical Name	19% Aqueous Ammonia
Physical State	Liquid
Model Used	EPA Offsite Consequence Guidance Document
Scenario	Toxic Liquid
Quantity Released	8,000 gallons of solution
Release Rate (into atmosphere)	45.8 lbs/min
Release Duration	10 minutes
Wind Speed (m/s)	1.5 m/s
Atmospheric Stability Class	F Stability
Topography	Urban
Distance to Endpoint	0.1 miles to 200 ppm Toxic Endpoint
Estimated Residential Population within a distance to endpoint	0
Public Receptors	0
Environmental Receptors	0
Passive Mitigation	Diked Region 845 ft^2

Part 9: Accident History	
Any reportable accidents in the last five years?	There are no releases as define by the EPA of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

Part 10: Emergency Response	
Is the facility included in a written community emergency response plan?	Yes
Does the facility have its own written emergency response plan?	Yes
Does the facility's ER Plan include specific actions to be taken in response to accidental releases of regulated substances?	Yes
Does the facility's ER Plan include procedures for informing the public and local agencies responding to accidental releases?	Yes
Does the facilities ER plan include information on emergency health care?	Yes
Date of most recent review or update of facility's ER Plan	2013
Date of most recent ER Training for facility's employees	Annually
Local Agency with which facility's ER Plan or response activities are coordinated:	Rancho Cucamonga Fire Department
Local Agency's Telephone Number	(909) 477-2770

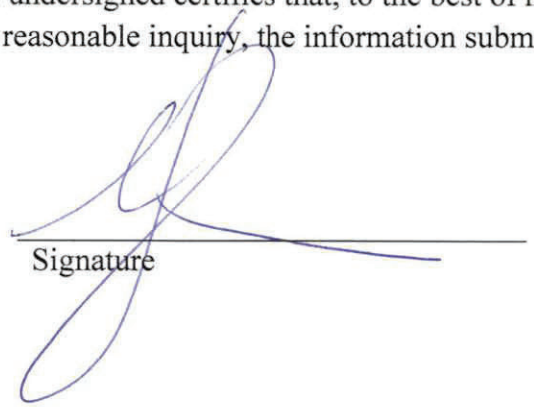
CERTIFICATION LETTER

Etiwanda Generating Station 2014 RMP Update – Program Level 1 Process

"Based on the criteria in Section 2735.4 of Title 19 of CCR, the distance to the specified endpoint for the worst-case accidental release scenario for the following process is less than the distance to the nearest public receptor: Selective Catalytic Reduction."

"Within the past five years, the process has had no accidental release that caused offsite impacts provided in the risk management program rule (40 CFR 68.1(b)(1)). No additional measures are necessary to prevent offsite impacts from accidental releases. In the event of fire, explosion, or a release of a regulated substance from the process, entry within the distance to the specified endpoints may pose a danger to public emergency responders. Therefore, public emergency responders should not enter this area except as arranged with the emergency contact indicated in the RMP."

"The undersigned certifies that, to the best of my knowledge, information, and belief, formed after reasonable inquiry, the information submitted is true, accurate, and complete."



Signature	Lee J. Moore Print Name
Plant Manager Title	October 21, 2014 Date

Alfelor, Kris

From: Linder, Charles [Charles.Linder@nrgenergy.com]
Sent: Thursday, November 14, 2013 3:05 PM
To: Alfelor, Kris
Subject: FA0002943 Updated CalARP Stationary Source (RMP) Registration Form
Attachments: ETI_CalARP Registration_11-14-2013.pdf

Mr. Alfelor,

Attached is an updated CalARP Stationary Source Registration Form for: Facility ID FA0002943 Etiwanda Generating Station
located in Rancho Cucamonga. Only the company name and inspection dates have been updated. There have been no changes to other information on the form.

Please let me know if you have any questions regarding the form.

Thank you,

Charles Linder

nrg
The power to change life.
The energy to make it happen

Charles Linder
Environmental Compliance Specialist
Etiwanda Generating Station
8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739
909-899-7290 Office

Note: The information contained in this e-mail and any accompanying documents may contain information that is confidential or otherwise protected from disclosure. If you are not the intended recipient of this message, or if this message has been addressed to you in error, please immediately alert the sender by reply e-mail and then delete this message, including any attachments. Any dissemination, distribution or other use of the contents of this message by anyone other than the intended recipient is strictly prohibited.

CERTIFIED UNIFIED PROGRAM AGENCY (CUPA)
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460•
www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CALARP)
CALARP – STATIONARY SOURCE REGISTRATION FORM

Date: November 14, 2013

RECEIVED
NOV 14 2013
S.B. CO. FIRE DEPT.

1. REGISTRATION INFORMATION:

Stationary Source Name and Address:

Name: Etiwanda Generating Station

Street: 8996 Etiwanda Avenue

City: Rancho Cucamonga State: CA Zip: 91739

EPA Facility Identifier (if applicable):

FA0002943

Dun and Bradstreet Numbers (if available):

Stationary Source:

Parent Company:

Stationary Source Latitude and Longitude:

Latitude: 34° 5' 29" north Longitude: 117° 31' 40" west

Method used to obtain latitude/longitude: Verified on Google Maps

Description of latitude/longitude location: about 2.5 miles NE of the junction of Interstates 10 and 15, approx. 50 miles east of Los Angeles, CA.

Owner or Operator Information/Mailing Address:

Name: NRG California South LP (new company name effective 05/24/13)

Street: 8996 Etiwanda Avenue

City: Rancho Cucamonga State: CA Zip: 91739

Telephone: 909-899-7260

Name/Title of Person or Position Responsible for the RMP Implementation:

Name: Apeetha Jain

Title/Position: Air Quality Specialist

Email Address: apeetha.jain@nrgenergy.com

Emergency Contact:

Name: Lee J. Moore

Title: General Manager

Telephone: 909-899-7241

24-Hour Telephone: 909-841-5949

Email Address: lee.moore@nrgenergy.com

Number of Full Time Employees on Site:

34

Stationary Source Subject to: (Please circle Yes or No)

OSHA PSM: Yes or **No**
EPCRA 302: Yes or **No**
CAA Title IV: **Yes** or No
If yes, operating permit number: #115315

Date of Last Safety Inspection Conducted by an Outside Agency:

06/05/2013

Name of Inspecting Agency:

County Sanitation Districts of Los Angeles County - industrial waste inspector and Inland Empire Utilities Agency - Pretreatment and Source Control Inspector

Contractor who prepared the RMP (if any):

Name: Sage Environmental Consulting, LP (Larry Reider or Jennifer Geran)

Street: 506 W. Vista Way

City: Vista State: CA Zip: 92083

Telephone: 512-327-0288

2. **PROCESS(ES):**

Process ID: 1 Program Level: 1 NAICS Code: 221112

Chemical ID: Ammonia, aqueous 19% CAS Number: 7664417 Max. Qty (Lbs.): 30,000 of ammonia (160,000 lb of 19% aqueous ammonia solution)

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

3. WORST CASE SCENARIO:

Chemical Name: Ammonia (water solution) 19%

Percent Weight (if mixture): 19% aqueous ammonia and water

Physical State: liquid solution at ambient temperature

Model Used: RMP*Com ver. 1.07

Scenario: worst case

Quantity Released (Lbs): 160,000 pounds of 19% aqueous ammonia solution

Release Rate (Lbs/Min): 29.3 pounds/minute

Release Duration (Mins): instantaneous (10 minutes)

Wind Speed (m/sec): 1.5

Atmospheric Stability Class: class F

Topography: urban (per SCAQMD guidance)

Distance to Endpoint (mi): 0.1 miles

Passive Mitigation (Yes/No): yes

If yes, describe: secondary containment (1395 sq ft)

Estimated Population to Endpoint: 0

Public Receptors (Please circle Yes or No):

School: Yes or **No** Residences: Yes or **No**

Hospitals: Yes or **No** Prisons/Corrections: Yes or **No**

Recreation Areas: Yes or **No**

Commercial/Office/Industrial areas: none

Other: not applicable

4. ALTERNATIVE RELEASE SCENARIO:

Chemical Name: n/a

Percent Weight (if mixture):_____

Physical State:_____

Model Used:_____

Scenario:_____

Quantity Released (Lbs):_____

Release Rate (Lbs/Min):_____

Release Duration (Mins):_____

Wind Speed (m/sec):_____

Atmospheric Stability Class:_____

Topography:_____

Distance to Endpoint (mi):_____

Estimated Population to Endpoint:_____

Public Receptors (Please circle Yes or No)

Schools: Yes or No

Residences: Yes or No

Hospitals: Yes or No

Prisons/Corrections: Yes or No

Recreation Areas: Yes or No

Commercial/Office/Industrial Areas: Yes or No

Other: Yes or No

IF PROG. LEVEL 1 & NO ACCIDENTS – GO TO EMERGENCY RESPONSE (Item 7)

5. **ACCIDENT HISTORY (Describe):** The SCR system was installed in 2001. There are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

There have been no accidental releases from the aqueous ammonia storage and handling system at the Etiwanda Generating Station in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage.

6. **PREVENTION PROGRAM:**

Program 3 (only):

Process ID/Chemical Name: n/a

Date on which the safety information was last reviewed or revised:_____

Process Hazard Analysis (PHA):_____

Date of last PHA or PHA update:_____

The technique used (Please circle Yes or No):

What if: Yes or No

Checklist: Yes or No

What if/Checklist: Yes or No

HAZOP: Yes or No

Failure mode and effects analysis: Yes or No

Fault tree analysis: Yes or No

Other: Yes or No

Expected or actual date of completion of all changes from last PHA or PHA update:_____

Major hazards identified: Yes or No

Toxic release: Yes or No

Fire: Yes or No

Explosion: Yes or No

Runaway reaction: Yes or No

Polymerization: Yes or No

Over pressurization: Yes or No

Corrosion: Yes or No

Overfilling: Yes or No

Contamination: Yes or No

Equipment failure: Yes or No

Loss of cooling, heating, electricity, instrument air: Yes or No

Earthquake: Yes or No

Floods (flood plain): Yes or No

Tornado: Yes or No

Hurricane: Yes or No

Other:_____

Monitoring/Detection systems in use: (Please circle Yes or No)

Process area detectors: Yes or No

Perimeter monitors: Yes or No

Changes since last PHA or PHA update Yes or No

Reduction in chemical inventory: Yes or No

Increase in chemical inventory: Yes or No

Change process parameters: Yes or No

Installation of process controls: Yes or No

Installation of process detection systems: Yes or No

Installation of perimeter monitoring system: Yes or No

Installation of mitigation systems: Yes or No

None recommended:_____

None:_____

Other:_____

Date of most recent review or revision of operating procedures:_____

Training:

The date of the most recent review or revision of training programs:

_____

The type of training provided (Please circle Yes or No):

Classroom: Yes or No

On the Job: Yes or No

Other: Yes or No

The type of competency testing used (Please circle Yes or No):

Written test: Yes or No

Oral test: Yes or No

Demonstration: Yes or No

Observation: Yes or No

Other:_____

Maintenance:

The date of the most recent review or revision of maintenance procedures:_____

The date of the most recent equipment inspection or test:_____

Equipment most recently inspected or tested:_____

Management of Change:

The date of the most recent change that triggered management of change procedures:_____

The date of the most recent review or revision of management of change procedure:_____

The date of the most recent pre-startup review:_____

Compliance Audits:

The date of the most recent compliance audit:_____

Expected date of completion of all changes resulting from the compliance audit:
_____

Incident Investigation:

The date of the most recent incident investigation (if any):
_____

Expected or actual date of completion of all changes resulting from the Investigation:
_____

The date of the most recent review or revision of employee participation plans:
_____

The date of the most recent review or revision of hot work permit procedures:
_____

The date of the most recent review or revision of contractor safety procedures:
_____

The date of the most recent evaluation of contractor safety performance:
_____

Program 2 (only):

Hazard Review:

Date of completion of most recent hazard review or update: n/a

The expected or actual date of completion of all changes resulting from the hazard review:_____

Major Hazards Identified:_____

Monitoring/Detection systems in use:_____

Changes since last hazard review or update:_____

Reduction in chemical inventory:_____

Increase in chemical inventory:_____

Change process parameters:_____

Installation of process controls:_____

Installation of process detection systems:_____

The date of most recent review or revision of operating procedures:_____

Training:

The date of the most recent review or revision of operating procedures:

The type of training provided (Please circle Yes or No):

Classroom: Yes or No

On the Job: Yes or No

Other: Yes or No

The type of competency testing used (Please circle Yes or No)

Written tests: Yes or No

Oral tests: Yes or No

Demonstration: Yes or No

Observation: Yes or No

Other: Yes or No

Maintenance:

The date of most recent review or revision of maintenance procedures:_____

The date of most recent equipment inspection or test:_____

Equipment most recently inspected or tested:_____

Compliance Audits:

The date of most recent compliance audit:_____

Expected or actual date of completion of all changes resulting from the compliance audit:_____

Incident Investigation:

The date of most recent incident investigation:_____

Expected or actual date of completion of all changes resulting from the investigation:_____

The date of the most recent change that triggered a review or revision of safety information, the hazard review, operation or maintenance procedures, or training:_____

_____

7. EMERGENCY RESPONSE:

Written Emergency Response Plan:

Is facility included in written community emergency response plan?_____

Does facility have its own written emergency response plan?___yes___

Does facility's ER Plan include specific actions to be taken in response to accidental releases of regulated substance(s)?___yes_____

Does facility's ER plan include procedures for informing the public and local agencies responding to accidental releases?____yes____

Does facility's ER plan include information on emergency health care?
yes

Date of most recent review or update of facility's ER plan: 2013

Date of most recent ER training for facility's employees: conducted annually

Local agency with which facility's ER plan or response activities are coordinated:

Name of agency: San Bernardino County Fire Dept.

Telephone: 909-386-8401

8. EXECUTIVE SUMMARY:

A brief description of accidental release prevention, emergency response, stationary source and regulated substances, general accidental release prevention program and chemical specific prevention steps, five-year accident history, emergency response program and planned changes to improve safety. (Please attach additional pages, if needed)

1.1 Accidental Release Prevention and Emergency Response Policies

It is the policy of GenOn Energy (GenOn) that its employees, environment, property, and the general public be protected from any harm that may occur as a result of its operations. To achieve this end, GenOn strives to operate its facilities in compliance with applicable federal, state, and local safety, health, and environmental regulations. GenOn implements its emergency response policies to comply with the overall corporate policy of providing its workers with a safe workplace and of minimizing risk to the public. The safety of emergency and non-affected personnel is the highest priority; therefore, all procedures must be implemented in the appropriate manner. Protection of the environment is also a high priority. Once the issues of life, safety, and the environment are addressed, the secondary issues of property conservation and business recovery may be considered.

1.2 Facility Description

The Etiwanda Generating Station is located in Rancho Cucamonga, California, about 2.5 miles northeast of the junction of Interstates 10 and 15, and approximately 50 miles east of Los Angeles California. The station is located in a heavy industrial zone near the site of the former Kaiser Steel mill, now the California Speedway. the main are covers approximately 80 acres.

The Etiwanda Generating Station combusts pipeline grade natural gas from Southern California Gas Company to generate electricity. The plant comprises five generating units consisting of four conventional steam turbine units and one gas turbine peaking unit.

The regulated substance used at the facility above California's Threshold Quantity (TQ) is aqueous ammonia, 19% by weight. the ammonia is used in the Selective Catalytic Reduction (SCR) system for control of NOx emissions from the main boilers of units 3 and 4. All other regulated substances onsite are in quantities below applicable thresholds.

1.3 Summary of Accidental Release Prevention Program

The Etiwanda Generating Station uses aqueous ammonia in the SCR NOx reduction system. In accordance with the CalARP regulations and with the guidance of the SBDFD as CUPA, it has been determined that the SCR system falls under the CalARP Prevention Program 1 requirements.

1.4 Five Year Accident History

The SCR system was installed in 2001. there are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years. There have been no accidental releases from the aqueous ammonia storage and handling system in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property dame, or environmental damage.

1.5 Emergency Response Program Summary

GenOn has developed written emergency response procedures to address all elements that may be encountered during planning, response or follow-up of an emergency at the facility. Application of the emergency response procedures ensures compliance with CalOSHA Title 8 Section 3220 (Emergency Response Plan) and OSHA Standard 29 CFR 1910.38 (ERP). The basic concept of GenOn's emergency procedures is to provide a comprehensive approach for managing emergencies.

RRI Energy

NEAR MISS REPORT FORM

Tracking # _____
To be completed by Corporate Safety

A Near Miss is an unforeseen and/or unplanned event or circumstance that does not result in personal injury, personal illness, or property damage but has the potential to do so.

It is everyone's responsibility to report and/or correct these potential incidents immediately. Please complete this form as a means to report these near-miss situations.

Department/Location Operations/Etiwanda Date 6/16/10

Time 0940 AM _____ PM

Name of Near Miss *(40 Char Limit)* Ammonia Delivery Hose Leak

Description of incident or potential hazard and suggested corrective action(s): *(1400 character limit)*

While taking on ammonia, the delivery truck the transfer pump suction hose cam locks came loose and as a result the hose separated from the pump. The result was a spill of approximately 15 gallons of aqueous ammonia to the pavement area under the truck. The transfer was immediately stopped using a remote push button by the station operator and the delivery driver noted wind direction and moved to a safe area. The station operator donned his respirator and chemical gloves, then secured the transfer valving and proceeded to dilute the ammonia in the area with water to minimize fumes. After ammonia was flushed the suction hose was reattached and cam locks secured with a velcro strap, the delivery was continued and completed without further incident. All safety policies and procedures were followed by both parties and no one was injured.

Please check all appropriate boxes: (Optional)

- ☐ Personal Action(s)
- ☒ Equipment
- ☐ Condition(s)
- ☐ Use of Equipment

Employee Name *(Optional)* Bryan Luizzi Date 6/16/10

To be completed by Supervisor/Manager: ***Severity Rating of 2 or Higher – RRI 150 Form Must Be Filled Out.***

Supervisor/ Manager Name _____ Signature _____ Date _____

Potential Severity Factor Rating (1 to 6) _____

See Near Miss Reporting Process Document for assigning potential Severity Factor Ratings.

"An incident investigation for Near Misses with a severity rating ≥2 will be completed to determine causes and corrective actions."

Operators Check Sheet for Unloading Ammonia

6/16/10

INSTRUCTIONS TO THE DRIVER AND THE ON-SITE OPERATOR.
REVIEW THIS INSTRUCTION SHEET BEFORE UNLOADING AMMONIA.
EYE PROTECTION MUST BE WORN AT ALL TIMES.
RESPIRATORS MUST BE AVAILABLE FOR THE DRIVER AND THE OPERATOR.

WORK SAFELY!

1. **MONITOR WIND DIRECTION - A WIND SOCK LOCATED EAST OF UNITS #3 AND 4 AMMONIA TANKS UNLOADING AREA IS USED FOR WIND DIRECTION REFERENCE. PERSONNEL IN IMMEDIATE AREA OF UNLOADING AMMONIA, ARE TO POSITION THEMSELVES UPWIND OF THE UNLOADING AREA, SO IN THE EVENT OF AN ACCIDENTAL RELEASE, AMMONIA WOULD BE BLOWN AWAY FROM AND NOT TOWARD UNLOADING PERSONNEL.**
2. **TWO (2) EYEWASH FOUNTAINS AND/OR SAFETY SHOWERS ARE LOCATED OUTSIDE THE AMMONIA TANKS CONTAINMENT ON THE N.E CORNER AND S.E CORNER. THE OPERATOR WILL TEST/FLUSH EACH EYEWASH/SAFETY SHOWER FOR AT LEAST. 2 MINS BEFORE STARTING THE UNLOADING PROCESS. IF CONTACT WITH AMMONIA OCCURS, ACTIVATE THE EYEWASH FOUNTAIN AND/OR THE SAFETY SHOWER LOCATED UPWIND OF THE ACCIDENTAL RELEASE AREA AND REMOVE ALL AMMONIA FROM YOUR BODY IMMEDIATELY.**

THE OPERATOR WILL BE PRESENT DURING THE ENTIRE UNLOADING TIME!

THE OPERATOR WILL NOTIFY 3 AND 4 CONTROL ROOM THAT THE AMMONIA UNLOADING IS STARTING. THE CONTROL ROOM OPERATOR WILL MAKE AN ANNOUNCEMENT OVER THE PUBLIC ADDRESS SYSTEM THAT TWO TIMES, **"AMMONIA UNLOADING IS IN PROGRESS, ALL PERSONNEL STAND CLEAR OF THE AMMONIA TANK AREA ON THE EAST SIDE OF UNIT 3"**

Initials

The ammonia driver will connect the vapor hose from the truck's tank to the vapor return line on the station's ammonia tank and insure that all line valves are open. **Instructions are clearly posted that, "Under no circumstances will the truck be unloaded unless the vapor recovery line is connected and all of the vapor return valves is open".**

Initials

The truck unloading hose will be connected from the truck transfer pump discharge line to the ammonia tank fill line.

Initials

The operator will open the ammonia tank fill valve and ammonia vapor return valve on the ammonia tank.

Initials

The driver will open the valves on the truck's unloading pump discharge line and begin unloading ammonia.

Initials

Operators Check Sheet for Unloading Ammonia

The driver will clean out his ammonia tank transfer pump discharge lines with an air blast, and the operator will close the ammonia tank fill valve and ammonia vapor return valve on the ammonia tank Initials
THE OPERATOR WILL NOTIFY 3 AND 4 CONTROL ROOM THAT THE AMMONIA DELIVERY IS COMPLETE. THE CONTROL ROOM OPERATOR WILL MAKE AN ANNOUNCEMENT OVER THE PUBLIC ADDRESS SYSTEM THAT, **"THE UNIT 3 AMMONIA UNLOADING IS COMPLETE".** Initials
The operator will receive and sign the invoice. The operator needs to receive a cope of the invoice and any other paperwork from the driver. The operator will then place all paperwork that they receive from the driver into the Operation's Supervisor's out-basket. Initials
IF THERE IS AN ACCIDENT OR SPILL, STOP THE UNLOADING IMMEDIATELY. CALL THE CONTROL ROOM FOR ASISTANCE. THE CONTROL ROOM WILL CALL 911 IF NEEDED. REPORT THE INCADENT TO SUPERVISION PRIOR TO RESUMING UNLOADING.

Airgas

Material Safety Data Sheet # 4003 | Last Revision 05/20/09 | Page 1 of 2

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

CHEMICAL NAME: Ammonium Hydroxide
TRADE NAMES / SYNONYMS: Aqua Ammonia, Ammonium Hydroxide
MANUFACTURER AND/OR DISTRIBUTOR:
Airgas Specialty Products
2530 Sever Road, 300
Lawrenceville, GA 30043 USA
EMERGENCY TELEPHONE NUMBERS:
Transportation (CHEMTREC): 1-800-424-9300
Environmental/Health/Safety (24-hr): 1-800-523-4993
Customer Service (Toll Free): 1-800-255-3333

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	FORMULA	% BY WEIGHT	CAS	OSHA PEL	NIOSH REL / ACGIH TLV		IDLH
				25 ppm (California only)			
Ammonia	NH_3	5-19.9	7664-41-7	50 ppm (TWA)	25 ppm (TWA)	35 ppm (STEL)	300ppm
Water	H_2O	80.1-95	7732-18-5	None	None	None	
Aqua Ammonia	NH_4OH	100	1336-21-6	——	——	——	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **1.** Colorless liquid with a pungent odor. **2.** Avoid contact with liquid and vapor. **3.** Not flammable. **4.** Mixes with water. **5.** Harmful to aquatic life in very low concentrations. **6.** Stop discharge if possible.

POTENTIAL HEALTH EFFECT

ROUTES OF ENTRY: Inhalation, Skin Contact, Eye Contact, Ingestion **TARGET ORGANS:** Eyes, skin and respiratory system. **EYE CONTACT:** May be severely irritating upon liquid exposure, with irritation from fumes. **SKIN CONTACT:** High concentrations can cause severe irritation and burns. **INHALATION:** The gas can be suffocating and is irritating to the mucous membranes and lung tissue. **INGESTION:** Can cause vomiting, nausea and corrosive burns to the esophagus and stomach. The exact nature and intensity of toxic effects following ingestion of varying amounts of strong aqua ammonia solution (ex. 28%) is unpredictable. The most accepted view is that any amount from one teaspoon or greater can be dangerous if ingested.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Flush with large amounts of water for at least 15 minutes then immediately seek medical aid.
SKIN CONTACT: Immediately flush with large quantities of water for at least 15 minutes while removing clothing. Seek immediate medical aid.
INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as needed. Seek immediate medical aid.
INGESTION: Do not induce vomiting. Have victim drink large quantities of water if conscious. Immediately seek medical aid. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT(method used): Not Applicable **FLAMMABLE LIMITS:** 16-25% NH_3 in air (for labeling purposes, not DOT flammable gas). **EXTINGUISHING MEDIA:** Water fog or spray for escaping ammonia gas.
SPECIAL FIRE FIGHTING PROCEDURES: The mixture will not burn but escaping gas can burn in the range of 16-25% NH_3 in air. Wear full protective clothing and self-contained breathing apparatus in the pressure demand mode.
NFPA HAZARD CLASSIFICATION (Aqua): Health: 2 Flammability: 1 Reactivity: 0 (least-0——4-highest)

SECTION 6: ACCIDENTAL RELEASE MEASURES

In US, federal regulations require that a release of 1,000 lb. or more of ammonium hydroxide must be reported immediately to the National Response Center at (800) 424-8802, the SERC and the LEPC. In California, ALL releases must be reported to CUPA, state and local agencies. Additional state and local regulations may apply. **SUGGESTED LOCAL ACTION:** Releases will liberate irritating vapors. Spilled liquids should be contained and not washed into sewers or ground water. Prevent large quantities from contact with vegetation or waterways. Ammonium hydroxide is a regulated material and reporting of any release may be required. Any release of this material during the course of loading, transporting, unloading or temporary storage must be reported to the U.S. DOT as required by 49 CFR 171.15 and 171.16.

SECTION 7: HANDLING AND STORAGE

Store in ventilated containers or pressure vessels away from heat. Open containers cautiously in case of pressure build up. Zinc, copper and copper alloys such as brass are rapidly corroded by ammonium hydroxide.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Respiratory protection approved by NIOSH / MSHA for ammonia must be used when exposure limits are exceeded. Whether chemical canister respirator or self-contained breathing apparatus is sufficient for effective respiratory protection depends on the type and magnitude of exposure.
SKIN PROTECTION: Rubber gloves and rubber or other types of approved protective clothing should be used to prevent skin contact. A face shield should be used for increased protection from contact with liquid or vapor.
EYE PROTECTION: Chemical splash goggles, approved for use with ammonia, must be worn to prevent eye contact with liquid or vapor. A face shield should be used for increased protection from contact with liquid.
VENTILATION: Local positive pressure and/or exhaust ventilation should be used to reduce vapor concentrations in confined spaces. Ammonia vapor, being lighter than air, can be expected to dissipate to the upper atmosphere. Ammonia concentrations may also be reduced by the use of an appropriate absorbent or reactant material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 160°F (10% Sol'n.)
SOLUBILITY IN WATER: Complete
MELTING POINT: Approx 15°F (10% Sol'n.)
PERCENT VOLATILE BY VOLUME: 100%
VAPOR PRESSURE: 130 mm Hg @ 80°F(10% Sol'n.)
SPECIFIC GRAVITY: 0.928 @ 60°F (19.5% Sol'n., water=1)
VAPOR DENSITY: 0.60 @ 32°F (Air=1)
pH: Approx. 11.6 for 1 N Sol'n. in water
APPEARANCE: Colorless, pungent liquid

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material generally considered stable. Heating above ambient temperature causes the vapor pressure of ammonia to increase rapidly.
INCOMPATIBILITY (materials to avoid): Strong acids. Aqua ammonia reacts with bromine, chlorine, mercury, silver, silver solder, and hypochlorite (bleach) to form explosive compounds. Avoid use of metals containing copper or zinc.
HAZARDOUS DECOMPOSITION PRODUCTS: Heating and contact of vapors with very hot surfaces may form hydrogen. The decomposition temperature may be lowered to 575°F by contact with certain metals such as nickel.
HAZARDOUS POLYMERIZATION: Will not occur **CONDITIONS TO AVOID:** Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY BY INGESTION: Grade 3; Oral Rat, LD_{50} = 350 mg/kg. Ammonia is a strong alkali and readily damages all body tissues. Ammonia is not a cumulative metabolic poison.

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: 6.25 ppm 24hr/Trout/Lethal/Freshwater; 15ppm 48hr/Sunfish/TLm/Tap Water
WATERFOWL TOXICITY: Data not available **BIOCHEMICAL OXYGEN DEMAND:** Data not available
FOOD CHAIN CONCENTRATION POTENTIAL: None

SECTION 13: DISPOSAL CONSIDERATIONS

Consult local, state or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers is generally contrary to federal, state, and local regulations. For Hazardous Waste Regulations call (800) 424-9346, the RCRA Hotline.

SECTION 14: TRANSPORT INFORMATION

	5-10% Ammonia Solutions	>10-19.9% Ammonia Solutions
Proper shipping name:	Corrosive Liquid, N.O.S. (contains ammonia)	Ammonium Hydroxide
DOT Hazard Class:	8	8
Identification Number:	UN1760	UN2672
Packing Group:	III	III

SECTION 15: REGULATORY INFORMATION

NOTICE: This product is subject to the reporting requirements of SARA (1986, Section 313 of Title III) and 40 CFR Part 370.
CERCLA/SUPERFUND, 40 CFR 117.302: Unpermitted releases of 1,000 lb. or more of ammonium hydroxide in any 24-hour period must be reported immediately to the NRC at 1-800-424-8802, the SERC, and the LEPC. Written follow-up is required to SERC & LEPC.
OSHA HAZARD COMMUNICATION RULE, 20 CFR 1910.1200: Aqua ammonia is a hazardous chemical.
TOXIC SUBSTANCE CONTROL ACT: This material is listed in the TSCA Inventory.
EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (SARA, TITLE III): Section 302 Extremely Hazardous Substance: Yes; Section 311/312 Hazardous Categories: Immediate (Acute) Health Hazards; Section 313 Toxic Chemical: Yes (as ammonia); **WHMIS:** One percent (1%) as ammonia. **CALIFORNIA PROPOSITION 65:** Reproductive: No Carcinogen: No
OSHA PROCESS SAFETY MANAGEMENT, 29 CFR 1910.119: This product is NOT subject to the Process Safety Management requirements of 29 CFR 1910.119.
EPA CHEMICAL ACCIDENTAL RELEASE PREVENTION, 40 CFR PART 68: This product is NOT subject to the Risk Management Plan requirements of 40 CFR Part 68. **DRINKING WATER:** Maximum use dosage in potable water is 10mg/l.

SECTION 16: OTHER INFORMATION

REASON FOR REVISION: 1. Addition of new Toll Free Customer Service Number in Section 1. 2. Revision to concentration range in section 2. 3. Revision to proper DOT Shipping Name. 4. Revision to EPCRA Section 302 information in Section 15; 6. Revised LEL and UEL. 7. Company Name Change. 8. Revised LEL and UEL. 9. Company Address Changed.
MSDS PREPARED BY: Airgas Specialty Products

This information is taken from sources or based upon data believed to be reliable, however, Airgas Specialty Products makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

CERTIFIED UNIFIED PROGRAM AGENCY (CUPA)
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460•
www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CALARP)
CALARP – STATIONARY SOURCE REGISTRATION FORM

Date: Jun 18 2011

1. REGISTRATION INFORMATION:

Stationary Source Name and Address:

Name: Etiwanda Generating Station

Street: 8996 Etiwanda Avenue

City: Rancho Cucamonga State: CA Zip: 91739

EPA Facility Identifier (if applicable):

FA0002943

Dun and Bradstreet Numbers (if available):

Stationary Source: _____

Parent Company: _____

Stationary Source Latitude and Longitude:

Latitude: 34° 5' 29" north Longitude: 117° 31' 40" west

Method used to obtain latitude/longitude: _____

Description of latitude/longitude location: about 2.5 miles NE of the junction of Interstates 10 and 15, approx. 50 miles east of Los Angeles, CA.

Owner or Operator Information/Mailing Address:

Name: GenOn West, LP (new company name effective 12/31/10)

Street: 8996 Etiwanda Avenue

City: Rancho Cucamonga State: CA Zip: 91739

Telephone: 909-899-7260

Name/Title of Person or Position Responsible for the RMP Implementation:

Name: Apeetha Jain

Title/Position: Air Environmental Specialist

Email Address: apeetha.jain@genon.com

Emergency Contact:

Name: Lee J. Moore

Title: General Manager

Telephone: 909-899-7241

24-Hour Telephone: 909-841-5949

Email Address: lee.moore@genon.com

Number of Full Time Employees on Site:

34

Stationary Source Subject to: (Please circle Yes or No)

OSHA PSM: Yes or **No**
EPCRA 302: Yes or **No**
CAA Title IV: **Yes** or No
If yes, operating permit number: #115315

Date of Last Safety Inspection Conducted by an Outside Agency:

11/9/2010

Name of Inspecting Agency:

County Sanitation Districts of Los Angeles County - industrial waste inspector and Inland Empire Utilities Agency - Pretreatment and Source Control Inspector

Contractor who prepared the RMP (if any):

Name: Sage Environmental Consulting, LP (Larry Reider or Jennifer Geran)

Street: 506 W. Vista Way

City: Vista State: CA Zip: 92083

Telephone: 512-327-0288

2. **PROCESS(ES):**

Process ID: 1 Program Level: 1 NAICS Code: 221112

Chemical ID: Ammonia, aqueous 19% CAS Number: 7664417 Max. Qty (Lbs.): 30,000 of ammonia (160,000 lb of 19% aqueous ammonia solution)

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

---

3. WORST CASE SCENARIO:

Chemical Name: Ammonia (water solution) 19%

Percent Weight (if mixture): 19% aqueous ammonia and water

Physical State: liquid solution at ambient temperature

Model Used: RMP*Com ver. 1.07

Scenario: worst case

Quantity Released (Lbs): 160,000 pounds of 19% aqueous ammonia solution

Release Rate (Lbs/Min): 29.3 pounds/minute

Release Duration (Mins): instantaneous (10 minutes)

Wind Speed (m/sec): 1.5

Atmospheric Stability Class: class F

Topography: urban (per SCAQMD guidance)

Distance to Endpoint (mi): 0.1 miles

Passive Mitigation (Yes/No): yes

If yes, describe: secondary containment (1395 sq ft)

Estimated Population to Endpoint: 0

Public Receptors (Please circle Yes or No):

School: Yes or **No** Residences: Yes or **No**

Hospitals: Yes or **No** Prisons/Corrections: Yes or **No**

Recreation Areas: Yes or **No**

Commercial/Office/Industrial areas: none

Other: not applicable

4. ALTERNATIVE RELEASE SCENARIO:

Chemical Name: n/a

Percent Weight (if mixture):_____

Physical State:_____

Model Used:_____

Scenario:_____

Quantity Released (Lbs):_____

Release Rate (Lbs/Min):_____

Release Duration (Mins):_____

Wind Speed (m/sec):_____

Atmospheric Stability Class:_____

Topography:_____

Distance to Endpoint (mi):_____

Estimated Population to Endpoint:_____

Public Receptors (Please circle Yes or No)

Schools: Yes or No

Residences: Yes or No

Hospitals: Yes or No

Prisons/Corrections: Yes or No

Recreation Areas: Yes or No

Commercial/Office/Industrial Areas: Yes or No

Other: Yes or No

IF PROG. LEVEL 1 & NO ACCIDENTS – GO TO EMERGENCY RESPONSE (Item 7)

5. **ACCIDENT HISTORY (Describe):** The SCR system was installed in 2001. There are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

There have been no accidental releases from the aqueous ammonia storage and handling system at the Etiwanda Generating Station in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage.

6. **PREVENTION PROGRAM:**

Program 3 (only):

Process ID/Chemical Name: n/a

Date on which the safety information was last reviewed or revised: _____

Process Hazard Analysis (PHA): _____

Date of last PHA or PHA update: _____

The technique used (Please circle Yes or No):

What if: Yes or No

Checklist: Yes or No

What if/Checklist: Yes or No

HAZOP: Yes or No

Failure mode and effects analysis: Yes or No

Fault tree analysis: Yes or No

Other: Yes or No

Expected or actual date of completion of all changes from last PHA or PHA update: _____

Major hazards identified: Yes or No

Toxic release: Yes or No

Fire: Yes or No

Explosion: Yes or No

Runaway reaction: Yes or No

Polymerization: Yes or No

Over pressurization: Yes or No

Corrosion: Yes or No

Overfilling: Yes or No

Contamination: Yes or No

Equipment failure: Yes or No

Loss of cooling, heating, electricity, instrument air: Yes or No

Earthquake: Yes or No

Floods (flood plain): Yes or No

Tornado: Yes or No

Hurricane: Yes or No

Other:_____

Monitoring/Detection systems in use: (Please circle Yes or No)

Process area detectors: Yes or No

Perimeter monitors: Yes or No

Changes since last PHA or PHA update Yes or No

Reduction in chemical inventory: Yes or No

Increase in chemical inventory: Yes or No

Change process parameters: Yes or No

Installation of process controls: Yes or No

Installation of process detection systems: Yes or No

Installation of perimeter monitoring system: Yes or No

Installation of mitigation systems: Yes or No

None recommended:_____

None:_____

Other:_____

Date of most recent review or revision of operating procedures:_____

Training:

The date of the most recent review or revision of training programs:
_____

The type of training provided (Please circle Yes or No):

Classroom: Yes or No

On the Job: Yes or No

Other: Yes or No

The type of competency testing used (Please circle Yes or No):

Written test: Yes or No

Oral test: Yes or No

Demonstration: Yes or No

Observation: Yes or No

Other:_____

Maintenance:

The date of the most recent review or revision of maintenance procedures:_____

The date of the most recent equipment inspection or test:_____

Equipment most recently inspected or tested:_____

Management of Change:

The date of the most recent change that triggered management of change procedures:_____

The date of the most recent review or revision of management of change procedure:_____

The date of the most recent pre-startup review:_____

Compliance Audits:

The date of the most recent compliance audit:_____

Expected date of completion of all changes resulting from the compliance audit:
_____

Incident Investigation:

The date of the most recent incident investigation (if any):
_____

Expected or actual date of completion of all changes resulting from the Investigation:
_____

The date of the most recent review or revision of employee participation plans:
_____

The date of the most recent review or revision of hot work permit procedures:
_____

The date of the most recent review or revision of contractor safety procedures:
_____

The date of the most recent evaluation of contractor safety performance:
_____

Program 2 (only):

Hazard Review:

Date of completion of most recent hazard review or update: n/a

The expected or actual date of completion of all changes resulting from the hazard review:_____

Major Hazards Identified:_____

Monitoring/Detection systems in use:_____

Changes since last hazard review or update:_____

Reduction in chemical inventory:_____

Increase in chemical inventory:_____

Change process parameters:_____

Installation of process controls:_____

Installation of process detection systems:_____

The date of most recent review or revision of operating procedures:_____

Training:

The date of the most recent review or revision of operating procedures:

The type of training provided (Please circle Yes or No):

Classroom: Yes or No

On the Job: Yes or No

Other: Yes or No

The type of competency testing used (Please circle Yes or No)

Written tests: Yes or No

Oral tests: Yes or No

Demonstration: Yes or No

Observation: Yes or No

Other: Yes or No

Maintenance:

The date of most recent review or revision of maintenance procedures:_____

The date of most recent equipment inspection or test:_____

Equipment most recently inspected or tested:_____

Compliance Audits:

The date of most recent compliance audit:_____

Expected or actual date of completion of all changes resulting from the compliance audit:_____

Incident Investigation:

The date of most recent incident investigation:_____

Expected or actual date of completion of all changes resulting from the investigation:_____

The date of the most recent change that triggered a review or revision of safety information, the hazard review, operation or maintenance procedures, or training:_____
_____

7. EMERGENCY RESPONSE:

Written Emergency Response Plan:

Is facility included in written community emergency response plan?_____

Does facility have its own written emergency response plan?___yes___

Does facility's ER Plan include specific actions to be taken in response to accidental releases of regulated substance(s)?___yes_____

Does facility's ER plan include procedures for informing the public and local agencies responding to accidental releases?____yes____

Does facility's ER plan include information on emergency health care?
yes

Date of most recent review or update of facility's ER plan: 2008

Date of most recent ER training for facility's employees: conducted annually

Local agency with which facility's ER plan or response activities are coordinated:

Name of agency: San Bernardino County Fire Dept.

Telephone: 909-386-8401

8. EXECUTIVE SUMMARY:

A brief description of accidental release prevention, emergency response, stationary source and regulated substances, general accidental release prevention program and chemical specific prevention steps, five-year accident history, emergency response program and planned changes to improve safety. (Please attach additional pages, if needed)

1.1 Accidental Release Prevention and Emergency Response Policies

It is the policy of GenOn Energy (GenOn) that its employees, environment, property, and the general public be protected from any harm that may occur as a result of its operations. To achieve this end, GenOn strives to operate its facilities in compliance with applicable federal, state, and local safety, health, and environmental regulations. GenOn implements its emergency response policies to comply with the overall corporate policy of providing its workers with a safe workplace and of minimizing risk to the public. The safety of emergency and non-affected personnel is the highest priority; therefore, all procedures must be implemented in the appropriate manner. Protection of the environment is also a high priority. Once the issues of life, safety, and the environment are addressed, the secondary issues of property conservation and business recovery may be considered.

1.2 Facility Description

The Etiwanda Generating Station is located in Rancho Cucamonga, California, about 2.5 miles northeast of the junction of Interstates 10 and 15, and approximately 50 miles east of Los Angeles California. The station is located in a heavy industrial zone near the site of the former Kaiser Steel mill, now the California Speedway. the main are covers approximately 80 acres.

The Etiwanda Generating Station combusts pipeline grade natural gas from Southern California Gas Company to generate electricity. The plant comprises five generating units consisting of four conventional steam turbine units and one gas turbine peaking unit.

The regulated substance used at the facility above California's Threshold Quantity (TQ) is aqueous ammonia, 19% by weight. the ammonia is used in the Selective Catalytic Reduction (SCR) system for control of NOx emissions from the main boilers of units 3 and 4. All other regulated substances onsite are in quantities below applicable thresholds.

1.3 Summary of Accidental Release Prevention Program

The Etiwanda Generating Station uses aqueous ammonia in the SCR NOx reduction system. In accordance with the CalARP regulations and with the guidance of the SBDFD as CUPA, it has been determined that the SCR system falls under the CalARP Prevention Program 1 requirements.

1.4 Five Year Accident History

The SCR system was installed in 2001. there are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years. There have been no accidental releases from the aqueous ammonia storage and handling system in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property dame, or environmental damage.

1.5 Emergency Response Program Summary

GenOn has developed written emergency response procedures to address all elements that may be encountered during planning, response or follow-up of an emergency at the facility. Application of the emergency response procedures ensures compliance with CalOSHA Title 8 Section 3220 (Emergency Response Plan) and OSHA Standard 29 CFR 1910.38 (ERP). The basic concept of GenOn's emergency procedures is to provide a comprehensive approach for managing emergencies.

SECTION 7
CERTIFICATION LETTER

Etiwanda Generating Station 2011 RMP Update – Program Level 1 Process

"Based on the criteria in 40 CFR 68.10, the distance to the specified endpoint for the worst-case accidental release scenario for the following process is less than the distance to the nearest public receptor: Selective Catalytic Reduction."

"Within the past five years, the process has had no accidental release that caused offsite impacts provided in the risk management program rule (40 CFR 68.1(b)(1)). No additional measures are necessary to prevent offsite impacts from accidental releases. In the event of fire, explosion, or a release of a regulated substance from the process, entry within the distance to the specified endpoints may pose a danger to public emergency responders. Therefore, public emergency responders should not enter this area except as arranged with the emergency contact indicated in the RMP."

"The undersigned certifies that, to the best of my knowledge, information, and belief, formed after reasonable inquiry, the information submitted is true, accurate, and complete."



Signature

Monte Ash
Print Name

VP – West & South Gas Plant Operations
Title

August 29, 2011
Date

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM INSPECTION REPORT - PROGRAM 1

FA #: 0002943 Facility Name: Etiwanda Generating Station Inspection Date: 06/28/11

Site Address: 8996 Etiwanda Ave Phone #: (909) 899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☒ Photograph Name: Charles Linder Title: Environmental Specialist # Emp: 35

Refer to Title 19 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws & regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS		V	C	N	COMMENTS/OBSERVATIONS
431. Emergency response procedures coordinated with local Emergency Response agencies	CCR 2735.4 (c)(3)		X		Business Emergency Contingency Plan is current.
432. Program 1 certification signed	CCR 2735.5(d)		X		Certification was signed by Lee Moore on 08/07/09.
433. Distance to endpoint for Worst Case Scenario less than distance to nearest public receptor	CCR 2735.4 (c)(2)		X		The nearest receptor is not within the endpoint for Worst Case Scenario distance.
434. No accidental release with offsite impacts within past 5 years	CCR 2735.4 (c)(1)		X		No accidental release of ammonia with off site impacts within the last 5 years
435. No additional measures necessary to prevent offsite impacts	CHSC 25541		X		No additional measures necessary at this time.
436. Eligibility for Program level 1 maintained or new Program level requirements met	CCR 2735.4 (c)		X		Eligibility for Program 1 has been maintained.
437. Program 1 General Requirements met	CCR 2735.5(d)		X		General requirements for Program level 1 are met at this time.

Comments:

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ___ DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ Sign Name
Monica Ronchetti Print Name

Received By: CERTIFIED MAIL Sign Name
_____ Print Name

Title: _____

Report Date: 08/02/11

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460• www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM INSPECTION REPORT - ALL PROGRAM LEVELS

FA #: 0002943 Facility Name: Etiwanda Generating Station Inspection Date: 06/28/11

Site Address: 8996 Etiwanda Ave Phone #: 909-899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☒ Photograph Name: Charles Linder Title: Environmental Specialist # Emp: 35

Refer to Title 19 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws & regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS		V	C	N	COMMENTS/OBSERVATIONS
401. CalARP Permits Current	CC 23.0602(b)(4)		x		Permit is current. Permit expires 09/30/2011.
402. Access to Inspect/Review Technical Information provided	CHSC 25534.5		x		Access to Inspect/technical review was provided by Charles Linder.
403. Risk Management program prepared and submitted	CHSC 25535.1		x		RMP was submitted 08/31/04.
404. RMP and supporting studies coordinated w/AA	CCR 2735.5		x		Studies coordinated with AA.
405. False statement, representation or certification	CHSC 25541			x	N/A
411. Qualified person/position assigned for RMP	CCR 2735.6		x		Lee Moore, General Manager, is assigned for the RMP.
412. Required registration information submitted	CCR 2740.1		x		Registration submitted on 01/10/11.
413. RMP submitted by required deadline	CCR 2745.1		x		RMP submitted on 08/31/04.
414. RMP certification statement completed	CCR 2745.9		x		Certification completed 8/07/09.
415. RMP Offsite Consequence Analysis Data Components submitted	CCR 2745.4		x		Offsite Consequence Analysis data components submitted 01/10/11.
416. RMP 5-year Accident History submitted	CCR 2745.5		x		5-year accident history submitted 01/10/11.
417. RMP updated every 5 yrs, within 6 months of change, & within 30 days of owner/operator change	CCR 2745.10	x			Update the RMP to reflect the change of ownership and submit to this department.
418. RMP corrected within 6 months of a reportable accidental release & within 30 days of change in emergency contact information	CCR 2745.10.5	x			Update the RMP to reflect the change of ownership and submit to this department.
419. AA notified before modification of covered process	CCR 2745.11			x	No modifications of the covered process have been made.
420. OCA revised and submitted every 5 years or within 6 months of change in process or quantity	CCR 2750.7		x		OCA submitted 08/07/09.
421. Offsite Consequence Analysis documentation maintained	CCR 2750.8		x		OCA documentation maintained.
422. Accidental release data reported and documented	CCR 2750.9		x		No accidental releases that resulted in deaths, injuries or significant property damage onsite or offsite.
Will employees respond?	Y N				Employee responded to an aqueous ammonia release on 06/10/2010.
425. If yes, plan includes contents of CCR 2765.2: coordination, medical treatment, response procedures, ER equipment use, inspection, testing & maintenance, training, updating	CCR 2765.2			x	Provide documentation of training and medical monitoring for employees and update response procedures. Provide procedures and documentation for use of emergency response equipment, inspection, testing and maintenance.
426. If yes or no, facility is included in community response plan (filed business plan) & coordinated with ER/FD	CCR 2765.1		x		Business Plan received on 03/01/11.
499. OTHER:					

Comments: During the inspection, facility representatives stated that employees do not respond to any release of hazardous materials including aqueous ammonia. On June 10, 2010 after a 15-gallon release of aqueous ammonia, an employee responded to the release during the delivery of ammonia and put a respirator while diluting the ammonia with water.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ Sign Name
Monica Ronchetti Print Name

Received By: CERTIFIED MAIL Sign Name
_____ Print Name

Title: _____

Report Date: 08/02/11

Form Revised 1/16/2007

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- ☐ HAZARDOUS MATERIALS
- ☒ CALIFORNIA ACCIDENTAL RELEASE PREVENTION
- ☐ ABOVEGROUND PETROLEUM STORAGE
- ☐ UNDERGROUND STORAGE TANK
- ☐ HAZARDOUS WASTE GENERATION
- ☐ RECYCLING
- ☐ TIERED PERMITTING
- ☐ UNIVERSAL WASTE

PROCESS DESCRIPTION

INSPECTION DATE:	06/28/11

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
0002943	**Etiwanda Generating Station**	**8996 Eitwanda Ave, Rancho Cucamonga, CA 91739**
Consent Granted by: √Inspect √Photograph	NAME **Charles Linder**	TITLE **Environmental Specialist**

The Etiwanda Generating Station is subject to the California Accidental Release Prevention (CalARP) Program level 1 for the 19% aqueous ammonia stored onsite. The facility has the capacity to store 30,000 pounds of aqueous ammonia at this facility. The facility has two 10,000-gallon aboveground storage tanks (AST) that contain 19% aqueous ammonia onsite. The 10,000-gallon AST's of aqueous ammonia are located within a secondary containment area.

The Etiwanda Generating Station generates electricity through the combustion of natural gas. The plant comprises five generating units consisting of four conventional steam turbine units and one gas turbine peaking unit. Units 1, 2 and 5 were decommissioned in 2003. Units 3 and 4 are currently in operation. The aqueous ammonia system is a closed system and is used in a Selective Catalytic Reduction (SCR) system to reduce NOx emissions by injecting ammonia into the boiler exhaust gas stream. The NOx and ammonia pass through a catalyst at elevated temperatures and form nitrogen and water. The aqueous ammonia is delivered to the facility by tanker truck.

The facility stores approximately 500 - 800 pounds of Hydrazine onsite to remove oxygen from the boiler water. This is below both the California and Federal's reportable quantity.

Inspected By: _____ (Sign Name) Monica Ronchetti (Print Name)

Received By: CERTIFIED MAIL (Sign Name) _____ (Print Name)

Title: _____

Report Date: 08/02/11

This space for filing stamp only

SAN BERNARDINO COUNTY SUN

4030 N GEORGIA BLVD, SAN BERNARDINO, CA 92407
Telephone (909) 889-9666 / Fax (909) 885-1253

PRICILLA WILSON
S.B. CO FIRE DEPT/COMM SAFETY DI
620 S. E STREET
SAN BERNARDINO, CA - 92415-0179

PROOF OF PUBLICATION

(2015.5 C.C.P.)

State of California)
County of SAN BERNARDINO) ss

Notice Type: GPNSB - GOVERNMENT PUBLIC NOTICE-SB

Ad Description: (RMP) AGUA DE LEJOS TREATMENT PLANT

I am a citizen of the United States and a resident of the State of California; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer and publisher of the SAN BERNARDINO COUNTY SUN, a newspaper published in the English language in the city of SAN BERNARDINO, county of SAN BERNARDINO, and adjudged a newspaper of general circulation as defined by the laws of the State of California by the Superior Court of the County of SAN BERNARDINO, State of California, under date 06/20/1952, Case No. 73084. That the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

06/06/2011

Executed on: 06/06/2011
At Los Angeles, California

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Helen Tang

Signature

SBS#: 2113888

Risk Management Plans (RMP) have been submitted by Agua De Lejos Treatment Plant, 1775 N. Benson Avenue Upland; Aquamar, Inc., 10888 7th Street Rancho Cucamonga; Nestle Waters of America, 5772 E. Jurupa Street Ontario; Cott Beverages USA, Inc., 499 E. Mill Street San Bernardino; Farmdale Creamery, Inc., 1049 W. Baseline Road San Bernardino; Foothill Orange Coast Chemical Co, 1269 E. 7th Street Upland; Lucky Farms, Inc., 1194 Brier Drive San Bernardino; Meeder Const./Eng. Co, 12323 6th Street Rancho Cucamonga; 3M Company, 5151 E. Philadelphia Avenue Ontario; Ontario Ice Skating Center, 1225 W. Holt Blvd. Ontario; GenonWest, LP, 8996 Etiwanda Avenue Rancho Cucamonga; Chino Basin Desalter Authority, 6905 Kimball Avenue Chino. The process for government and public review pursuant to Section 2745.2 of CCR Title 19 has been initiated by San Bernardino Co Fire Dept, Hazardous Materials Division, (909) 386-8401, 620 S. "E" Street, San Bernardino, CA 92415-0153.
6/6/11

SBS-2113888#

A0000022160 48

CERTIFIED UNIFIED PROGRAM AGENCY (CUPA)
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620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460•
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CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CALARP)
CALARP – STATIONARY SOURCE REGISTRATION FORM

Date: Jan 10 2011

RECEIVED
JAN 10 2011
S.B. CO. FIRE DEPT.

1. REGISTRATION INFORMATION:

Stationary Source Name and Address:

Name: Etiwanda Generating Station

Street: 8996 Etiwanda Avenue

City: Rancho Cucamonga State: CA Zip: 91739

EPA Facility Identifier (if applicable):

FA0002943

Dun and Bradstreet Numbers (if available):

Stationary Source: _____

Parent Company: _____

Stationary Source Latitude and Longitude:

Latitude: 34° 5' 29" north Longitude: 117° 31' 40" west

Method used to obtain latitude/longitude: _____

Description of latitude/longitude location: about 2.5 miles NE of the junction of Interstates 10 and 15, approx. 50 miles east of Los Angeles, CA.

Owner or Operator Information/Mailing Address:

Name: GenOn West, LP (new company name effective 12/31/10)

Street: 8996 Etiwanda Avenue

City: Rancho Cucamonga State: CA Zip: 91739

Telephone: 909-899-7260

Name/Title of Person or Position Responsible for the RMP Implementation:

Name: Lee J. Moore

Title/Position: General Manager

Email Address: Lee. Moore@genon.com

Emergency Contact:

Name: Lee J. Moore

Title: General Manager

Telephone: 909-899-7241

24-Hour Telephone: 909-841-5949

Email Address: lee.moore@genon.com

Number of Full Time Employees on Site:

34

Stationary Source Subject to: (Please circle Yes or No)

OSHA PSM: Yes or **No**
EPCRA 302: Yes or **No**
CAA Title IV: **Yes** or No
If yes, operating permit number: #115315

Date of Last Safety Inspection Conducted by an Outside Agency:

11/9/2010

Name of Inspecting Agency:

County Sanitation Districts of Los Angeles County - industrial waste inspector and Inland Empire Utilities Agency - Pretreatment and Source Control Inspector

Contractor who prepared the RMP (if any):

Name: Sage Environmental Consulting, LP (Larry Reider or Jennifer Geran)

Street: 506 W. Vista Way

City: Vista State: CA Zip: 92083

Telephone: 512-327-0288

2. **PROCESS(ES):**

Process ID: 1 Program Level: 1 NAICS Code: 221112

Chemical ID: Ammonia, aqueous 19% CAS Number: 7664417 Max. Qty (Lbs.): 30,000

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

Process ID: _____ Program Level: _____ NAICS Code: _____

Chemical ID: _____ CAS Number: _____ Max. Qty (Lbs.): _____

---

3. WORST CASE SCENARIO:

Chemical Name: Ammonia (water solution) 19%

Percent Weight (if mixture): ammonia and water

Physical State: liquid solution at ambient temperature

Model Used: RMP*Com ver. 1.07

Scenario: worst case

Quantity Released (Lbs): 160,000 pounds of solution

Release Rate (Lbs/Min): 29.3 pounds/minute

Release Duration (Mins): instantaneous (10 minutes)

Wind Speed (m/sec): 1.5

Atmospheric Stability Class: class F

Topography: urban (per SCAQMD guidance)

Distance to Endpoint (mi): 0.1 miles

Passive Mitigation (Yes/No): yes

If yes, describe: secondary containment (1395 sq ft)

Estimated Population to Endpoint: 0

Public Receptors (Please circle Yes or No):

School: Yes or **No** Residences: Yes or **No**

Hospitals: Yes or **No** Prisons/Corrections: Yes or **No**

Recreation Areas: Yes or **No**

Commercial/Office/Industrial areas: none

Other: not applicable

4. ALTERNATIVE RELEASE SCENARIO:

Chemical Name: n/a

Percent Weight (if mixture):

Physical State:

Model Used:

Scenario:

Quantity Released (Lbs):

Release Rate (Lbs/Min):

Release Duration (Mins):

Wind Speed (m/sec):

Atmospheric Stability Class:

Topography:

Distance to Endpoint (mi):

Estimated Population to Endpoint:

Public Receptors (Please circle Yes or No)

Schools: Yes or No

Residences: Yes or No

Hospitals: Yes or No

Prisons/Corrections: Yes or No

Recreation Areas: Yes or No

Commercial/Office/Industrial Areas: Yes or No

Other: Yes or No

IF PROG. LEVEL 1 & NO ACCIDENTS – GO TO EMERGENCY RESPONSE (Item 7)

5. **ACCIDENT HISTORY (Describe):** The SCR system was installed in 2001. There are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

There have been no accidental releases from the aqueous ammonia storage and handling system at the Etiwanda Generating Station in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage.

6. **PREVENTION PROGRAM:**

Program 3 (only):

Process ID/Chemical Name: n/a

Date on which the safety information was last reviewed or revised: _____

Process Hazard Analysis (PHA): _____

Date of last PHA or PHA update: _____

The technique used (Please circle Yes or No):

What if: Yes or No

Checklist: Yes or No

What if/Checklist: Yes or No

HAZOP: Yes or No

Failure mode and effects analysis: Yes or No

Fault tree analysis: Yes or No

Other: Yes or No

Expected or actual date of completion of all changes from last PHA or PHA update: _____

Major hazards identified: Yes or No

Toxic release: Yes or No

Fire: Yes or No

Explosion: Yes or No

Runaway reaction: Yes or No

Polymerization: Yes or No

Over pressurization: Yes or No

Corrosion: Yes or No

Overfilling: Yes or No

Contamination: Yes or No

Equipment failure: Yes or No

Loss of cooling, heating, electricity, instrument air: Yes or No

Earthquake: Yes or No

Floods (flood plain): Yes or No

Tornado: Yes or No

Hurricane: Yes or No

Other:_____

Monitoring/Detection systems in use: (Please circle Yes or No)

Process area detectors: Yes or No

Perimeter monitors: Yes or No

Changes since last PHA or PHA update Yes or No

Reduction in chemical inventory: Yes or No

Increase in chemical inventory: Yes or No

Change process parameters: Yes or No

Installation of process controls: Yes or No

Installation of process detection systems: Yes or No

Installation of perimeter monitoring system: Yes or No

Installation of mitigation systems: Yes or No

None recommended:_____

None:_____

Other:_____

Date of most recent review or revision of operating procedures:_____

Training:

The date of the most recent review or revision of training programs:
_____

The type of training provided (Please circle Yes or No):

Classroom: Yes or No

On the Job: Yes or No

Other: Yes or No

The type of competency testing used (Please circle Yes or No):

Written test: Yes or No

Oral test: Yes or No

Demonstration: Yes or No

Observation: Yes or No

Other:_____

Maintenance:

The date of the most recent review or revision of maintenance procedures:_____

The date of the most recent equipment inspection or test:_____

Equipment most recently inspected or tested:_____
_____

Management of Change:

The date of the most recent change that triggered management of change procedures:_____

The date of the most recent review or revision of management of change procedure:_____

The date of the most recent pre-startup review:_____

Compliance Audits:

The date of the most recent compliance audit:_____

Expected date of completion of all changes resulting from the compliance audit:

_____

Incident Investigation:

The date of the most recent incident investigation (if any):

_____

Expected or actual date of completion of all changes resulting from the Investigation:

_____

The date of the most recent review or revision of employee participation plans:

_____

The date of the most recent review or revision of hot work permit procedures:

_____

The date of the most recent review or revision of contractor safety procedures:

_____

The date of the most recent evaluation of contractor safety performance:

_____

Program 2 (only):

Hazard Review:

Date of completion of most recent hazard review or update: n/a

The expected or actual date of completion of all changes resulting from the hazard review:_____

Major Hazards Identified:_____

Monitoring/Detection systems in use:_____

Changes since last hazard review or update:_____

Reduction in chemical inventory:_____

Increase in chemical inventory:_____

Change process parameters:_____

Installation of process controls:_____

Installation of process detection systems:_____

The date of most recent review or revision of operating procedures:_____

Training:

The date of the most recent review or revision of operating procedures:

The type of training provided (Please circle Yes or No):

Classroom: Yes or No

On the Job: Yes or No

Other: Yes or No

The type of competency testing used (Please circle Yes or No)

Written tests: Yes or No

Oral tests: Yes or No

Demonstration: Yes or No

Observation: Yes or No

Other: Yes or No

Maintenance:

The date of most recent review or revision of maintenance procedures:_____

The date of most recent equipment inspection or test:_____

Equipment most recently inspected or tested:_____

Compliance Audits:

The date of most recent compliance audit:_____

Expected or actual date of completion of all changes resulting from the compliance audit:_____

Incident Investigation:

The date of most recent incident investigation:_____

Expected or actual date of completion of all changes resulting from the investigation:_____

The date of the most recent change that triggered a review or revision of safety information, the hazard review, operation or maintenance procedures, or training:_____
_____

7. EMERGENCY RESPONSE:

Written Emergency Response Plan:

Is facility included in written community emergency response plan?_____

Does facility have its own written emergency response plan?___yes___

Does facility's ER Plan include specific actions to be taken in response to accidental releases of regulated substance(s)?___yes_____

Does facility's ER plan include procedures for informing the public and local agencies responding to accidental releases?___yes___

Does facility's ER plan include information on emergency health care?
yes

Date of most recent review or update of facility's ER plan: 2008

Date of most recent ER training for facility's employees: conducted annually

Local agency with which facility's ER plan or response activities are coordinated:

Name of agency: San Bernardino County Fire Dept.

Telephone: 909-386-8401

8. EXECUTIVE SUMMARY:

A brief description of accidental release prevention, emergency response, stationary source and regulated substances, general accidental release prevention program and chemical specific prevention steps, five-year accident history, emergency response program and planned changes to improve safety. (Please attach additional pages, if needed)

1.1 Accidental Release Prevention and Emergency Response Policies

It is the policy of GenOn Energy (GenOn) that its employees, environment, property, and the general public be protected from any harm that may occur as a result of its operations. To achieve this end, GenOn strives to operate its facilities in compliance with applicable federal, state, and local safety, health, and environmental regulations. GenOn implements its emergency response policies to comply with the overall corporate policy of providing its workers with a safe workplace and of minimizing risk to the public. The safety of emergency and non-affected personnel is the highest priority; therefore, all procedures must be implemented in the appropriate manner. Protection of the environment is also a high priority. Once the issues of life, safety, and the environment are addressed, the secondary issues of property conservation and business recovery may be considered.

1.2 Facility Description

The Etiwanda Generating Station is located in Rancho Cucamonga, California, about 2.5 miles northeast of the junction of Interstates 10 and 15, and approximately 50 miles east of Los Angeles California. The station is located in a heavy industrial zone near the site of the former Kaiser Steel mill, now the California Speedway. the main are covers approximately 80 acres.

The Etiwanda Generating Station combusts pipeline grade natural gas from Southern California Gas Company to generate electricity. The plant comprises five generating units consisting of four conventional steam turbine units and one gas turbine peaking unit.

The regulated substance used at the facility above California's Threshold Quantity (TQ) is aqueous ammonia, 19% by weight. the ammonia is used in the Selective Catalytic Reduction (SCR) system for control of NOx emissions from the main boilers of units 3 and 4. All other regulated substances onsite are in quantities below applicable thresholds.

1.3 Summary of Accidental Release Prevention Program

The Etiwanda Generating Station uses aqueous ammonia in the SCR NOx reduction system. In accordance with the CalARP regulations and with the guidance of the SBDFD as CUPA, it has been determined that the SCR system falls under the CalARP Prevention Program 1 requirements.

1.4 Five Year Accident History

The SCR system was installed in 2001. there are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years. There have been no accidental releases from the aqueous ammonia storage and handling system in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property dame, or environmental damage.

1.5 Emergency Response Program Summary

GenOn has developed written emergency response procedures to address all elements that may be encountered during planning, response or follow-up of an emergency at the facility. Application of the emergency response procedures ensures compliance with CalOSHA Title 8 Section 3220 (Emergency Response Plan) and OSHA Standard 29 CFR 1910.38 (ERP). The basic concept of GenOn's emergency procedures is to provide a comprehensive approach for managing emergencies.

Man, Gheorghe

From: Dolfi, Michelle L. [Michelle.Dolfi@genon.com]
Sent: Monday, January 10, 2011 11:30 AM
To: Man, Gheorghe
Cc: Moore, Lee J.; Babcock, Julie A.; McQuown, Brian C.
Subject: Etiwanda Station RMP registration Form
Attachments: ETI_CalARP Registration Final_Jan 10 2011.doc

RECEIVED
JAN 10 2011
S.B. CO. FIRE DEPT.

Dear Gheorghe Man,

Attached please find the CalARP Registration form for Etiwanda Station. It was updated to reflect the new company name (GenOn West, LP) and to change the RMP contact name. The company name change took effect 12/31/10 and the merger occurred 12/3/10. As requested, we used the form you provided to us November 10, 2010.

Please contact me if you have concerns or questions. Thank you for your help.
Michelle

Please reply to this email as proof of receipt.

Michelle Dolfi
GenOn Energy, Inc.
Environmental Operations and Compliance Group
121 Champion Way, Canonsburg, PA 15317
724-597-8631 desk 412-370-0424 mobile
michelle.dolfi@genon.com
Please note company name & email change, effective 12/3/2010

Etiwanda Generating Station
8996 Etiwanda Ave
Rancho Cucamonga, CA 91739

November 5, 2010

Mr. Gheorge Man
San Bernardino County Fire Department
620 South E Street
San Bernardino, CA 92415-0153

RE: Etiwanda Generating Station, RMP contact name change, Facility ID #FA0002943

Dear Mr. Man,

The purpose of this letter is to document the conversation you had with Michelle Dolfi of RRI Energy on November 4, 2010 concerning the RMP contact name change for the Etiwanda Generating Station and the pending name change of the company.

As discussed, we will submit updated information on the facility when the merger closes. The anticipated date of the merger is early December 2010. This is not an ownership change but merely a company name change.

The new RMP contact is Mr. Lee Moore, General Manager of Etiwanda Generating Station, phone number 909-899-7241, email address LJMOORE@rrienergy.com.

Please contact Michelle at 724-597-8631 if you have concerns or questions related to this letter.

Thank you,

Lee J. Moore
General Manager
Etiwanda Generating Station

cc: Julie Babcock
Michelle Dolfi

RECEIVED
NOV 08 2010
S.B. CO. FIRE DEPT.

SECTION 7
CERTIFICATION LETTER

Etiwanda Generating Station 2009 RMP Update – Program Level 1 Process

"Based on the criteria in 40 CFR 68.10, the distance to the specified endpoint for the worst-case accidental release scenario for the following process is less than the distance to the nearest public receptor: Selective Catalytic Reduction."

"Within the past five years, the process has had no accidental release that caused offsite impacts provided in the risk management program rule (40 CFR 68.1(b)(1)). No additional measures are necessary to prevent offsite impacts from accidental releases. In the event of fire, explosion, or a release of a regulated substance from the process, entry within the distance to the specified endpoints may pose a danger to public emergency responders. Therefore, public emergency responders should not enter this area except as arranged with the emergency contact indicated in the RMP."

"The undersigned certifies that, to the best of my knowledge, information, and belief, formed after reasonable inquiry, the information submitted is true, accurate, and complete."



Signature

Lee J. Moore
Print Name

General Manager
Title

August 7th, 2009
Date

San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE (909) 386-8401 FAX (909) 386-8460 www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CalARP) REGISTRATION

Registration Type 2200: ☐ a. New ☐ b. Update
Update Type 2201: ☐ a. Add ☐ b. Delete ☐ c. Revise
FACILITY ID #: FA0002943

I. FACILITY / STATIONARY SOURCE IDENTIFICATION

STATIONARY SOURCE NAME 2203	PHONE 2204
Etiwanda Generating Station	(909) 899-7220
STATIONARY SOURCE ADDRESS 2205	**CITY 2206**
8996 Etiwanda Ave	Rancho Cucamonga

II. OWNER/OPERATOR IDENTIFICATION

OWNER/OPERATOR NAME 2207	PHONE 2208
RRI Energy Etiwanda, Inc.	(909) 899-7220

MAILING ADDRESS 2209	CITY 2210	STATE 2211	ZIP CODE 2212
8996 Etiwanda Ave.	Rancho Cucamonga	CA	91739

III. REGULATED SUBSTANCES LIST

A. Name of Each Regulated Substance:	2213	2214 Percent by Weight	2215 Process Maximum Quantity (lbs.)	2216 CAS #
1.	Ammonia, aqueous	19%	30,000	7664417
2.				
3.				

B. Name of Each Regulated Substance in a Mixture:	2217	2218 Percent by Weight	2219 Process Maximum Quantity (lbs.)	2220 CAS #
1.				
2.				

NOTES *(Conversion Factors, Calculation Notes, Mixture Information, etc. Note which substance or mixture the note applies to):* 2223

Process Qty. = (2 Tanks) (10,000 gal max / tank) (8.34 lb/gal) (0.9302 sp gr) (0.19) = 30,000 max lbs as ammonia (rounded to 2 sig figs)

IV. CERTIFICATION

I, as the owner or operator of the aforementioned business, hereby certify that the registration information provided above is true, accurate and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

SIGNATURE OF OWNER/OPERATOR	DATE 2224
	May 15, 2009
NAME OF OWNER/OPERATOR 2225	**TITLE OF OWNER/OPERATOR 2226**
Lee Moore	General Manager

CUPA

San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

RECEIVED
AUG 29 2008
S.B. CO. FIRE DEPT.

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CalARP) REGISTRATION

Page ___ of ___

Registration Type 2200: ☐ a. New ☒ b. Update
Update Type 2201: ☐ a. Add ☐ b. Delete ☒ c. Revise
FACILITY ID #: F A Ø Ø Ø 2 9 4 3 1

I. FACILITY / STATIONARY SOURCE IDENTIFICATION

STATIONARY SOURCE NAME 2203	PHONE 2204
ETIWANDA GENERATING STATION	(909) 899-7290

STATIONARY SOURCE ADDRESS 2205	CITY 2206
8996 ETIWANDA AVE	RANCHO CUCAMONGA

II. OWNER/OPERATOR IDENTIFICATION

OWNER/OPERATOR NAME 2207	PHONE 2208
RELIANT ENERGY ETIWANDA INC.	(909) 899-7290

MAILING ADDRESS 2209	CITY 2210	STATE 2211	ZIP CODE 2212
8996 ETIWANDA AVE	RANCHO CUCAMONGA	CA.	91739

III. REGULATED SUBSTANCES LIST

A. Name of Each Regulated Substance: 2213	Percent by Weight 2214	Process Maximum Quantity (lbs.) 2215	CAS # 2216
1. Ammonia, Aqueous	19%	30,000	7664417
2.			
3.			

B. Name of Each Regulated Substance in a Mixture: 2217	Percent by Weight 2218	Process Maximum Quantity (lbs.) 2219	CAS # 2220
1.			
2.			

NOTES *(Conversion Factors, Calculation Notes, Mixture Information, etc. Note which substance or mixture the note applies to):* 2223

PROCESS QUANTITY = (2 TANKS)(10,000 Gallons max - TANK)(8.34 lbs per Gallon)(0.9302 SP. GR.)(0.19) = 30,000 max lbs as Ammonia (Rounded to SIG. FIG)

IV. CERTIFICATION

I, as the owner or operator of the aforementioned business, hereby certify that the registration information provided above is true, accurate and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

SIGNATURE OF OWNER/OPERATOR	DATE 2224
[signature]	08/29/08

NAME OF OWNER/OPERATOR 2225	TITLE OF OWNER/OPERATOR 2226
LEE MOORE EX 7241	GENERAL MANAGER.

Revised 12/20/2002

Etiwanda Generating Station

August 30, 2004

Ms. Marilyn Kraft, MBA, REHS
CUPA CalARP Program Coordinator
San Bernardino County Fire Department
620 South E Street
San Bernardino, CA 92415-0153

RECEIVED
AUG 31 2004
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

RE: RELIANT ENERGY: ETIWANDA GENERATING STATION
CalARP Risk Management Plan – Initial Submittal
Facility ID FA0002943

Dear Ms. Kraft:

Reliant Energy: Etiwanda, inc. is pleased to submit to CalARP its Risk Management Plan (RMP) document for our facility.

The RMP Certification Letter is contained in Section 7 of the document. Notwithstanding federal exempt status of the affected process (<20% aqueous ammonia), the corresponding RMP*Submit file is included for CUPA use.

Reliant Energy is fully committed to maintaining compliance with all applicable environmental regulations as part of its ongoing operations. If questions arise, please contact Mr. Glenn Whritenour, Plant Engineer at (909) 899-7208 or myself at (909) 899-7241.

Sincerely,

Daniel W Ross

Daniel W. Ross
General Manager

Attachments
Reliant Energy Etiwanda: Program 1 Risk Management Plan

8996 Etiwanda Ave, Rancho Cucamonga, CA 91739 fax: 909/899-7222

cc: Glenn Whritenour, EGS
Brian McQuown, RE Las Vegas
Reliant Energy: Etiwanda File
Brad Boyes, ENTRIX

San Bernardino County Fire Department
CUPA
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM
620 South E Street, San Bernardino, CA 92415-0153 • (909)386-8430 FAX (909) 386-8460

For Hazmat Division Use:
___ CalARP Registration form (date: _____)
___ Current business plan (last update_____)

Basic RMP Work Plan

Stationary Source Contact Information

Name of Stationary Source: Reliant Energy Etiwanda, Inc.

Address of Stationary Source: 8996 Etiwanda Ave.

Name of RMP Contact: Glenn Whritenour

Mailing Address: 8996 Etiwanda Ave., Rancho Cucamonga, CA 91739

Phone #: (909) 899-7208 Fax #: (909) 899-7222

e-mail: GWhritenour@reliant.com

Consultant Contact Information (if applicable)

Company Name: ENTRIX, Inc.

Name of Project Coordinator: Bradford Boyes

Address: 2140 Eastman Ave, Suite 200, Ventura, CA 93003

Phone #: (805) 644-5948 Fax #: (805) 658-0612

e-mail: bboyes@entrix.com

Process Information

RMP Program Level: **1** 2 3 (circle) 4 digit SIC Code: 4911

Process subject to PSM? Y **N** (circle) Process Installation date: 2001

RMP Technical Studies

Type of Hazard Evaluation: Offsite Consequence Analysis (worst-case)

Original Date(s): August 9, 2004 Date Recertified:_____

Date of Seismic Walkthru: August 16, 2004

Methods for Air Dispersion Modeling

_____ Manual Calculations **X** Computerized Air Model: RMP*Comp 1.7 (specify)

In a separate building? **Y** N (circle) Other Passive Mitigation: Secondary Containment (specify)

Prepared by: Bradford Boyes Date: August 9, 2004

LEPC REGION 1

RISK MANAGEMENT PLAN REGISTRATION

REGISTRATION TYPE	☒New ☐ Update	UPDATE TYPE	☐ Add ☐ Delete ☐ Revise

EPA ID NUMBER: *n/a*	FACILITY I.D. NUMBER	NUMBER OF FULL-TIME EMPLOYEES: *31*
DBA/BUSINESS NAME: *Etiwanda Generating Station*		
BUSINESS LOCATION: STREET *8996 Etiwnada Ave.*		
CITY *Rancho Cucamonga*	COUNTY *San Bernadino*	CA ZIP *91739*
LATITUDE *34° 5' 29" north*	LONGITUDE *117° 31' 40" west*	DUNS *n/a (no debt)*
PARENT COMPANY NAME *Reliant Resources, Inc.*		PARENT COMPANY DUNS *00-820-0680*
OWNER/OPERATOR NAME *Reliant Energy Etiwanda, Inc.*		PHONE *(909) 899-7220*
MAILING ADDRESS STREET *8996 Etiwanda Ave.*		
CITY *Rancho Cucamonga*		CA ZIP *91739*
RMP CONTACT NAME *Glenn Whritenour (909) 899-7208*		TITLE *EH&S Engineer*
EMERGENCY CONTACT NAME *Control Room*		TITLE *Operators on Duty*
24-HOUR PHONE *(909) 899-7346*		PHONE *(909) 899-7346*
LAST SAFETY INSPECTION DATE:		AGENCY *San Bernardino Cty. Fire Dept.*

SOURCE SUBJECT TO Title 8, Sec. 5189	SOURCE SUBJECT TO 40 CFR 355?	CAA TITLE V OPERATING PERMIT?
☐ Yes ☒ No	☒ Yes ☐ No	☒ Yes ☐ No

COVERED PROCESS NO. ONE: *Selective Catalytic Reduction*

NAICS CODE: *221112* PROGRAM LEVEL: ☒ 1 ☐ 2 ☐ 3

	Regulated Substance Chemical Name	CAS Number	Concentration (wt %)	Maximum Qty. (lbs)
1.	*Ammonia, aqueous*	*7664417*	*19%*	*30,000*
2.				
3.				

COVERED PROCESS NO. TWO:

NAICS CODE: PROGRAM LEVEL: ☐ 1 ☐ 2 ☐ 3

	Regulated Substance Chemical Name	CAS Number	Concentration (wt %)	Maximum Qty.. (lbs)
1.				
2.				
3.				

COVERED PROCESS NO. THREE:

NAICS CODE: PROGRAM LEVEL: ☐ 1 ☐ 2 ☐ 3

	Regulated Substance Chemical Name	CAS Number	Concentration (wt %)	Maximum Qty.. (lbs)
1.				
2.				
3.				

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CalARP) REGISTRATION

Registration Type 2200	Update Type 2201	FACILITY ID:
☒ a. New ☐ b. Update	☐ a. Add ☐ b. Delete ☐ c. Revise	F A

I. FACILITY / STATIONARY SOURCE IDENTIFICATION

STATIONARY SOURCE NAME 2203	PHONE 2204
Etiwanda Generating Station	(909) 899-7220

STATIONARY SOURCE ADDRESS 2205	CITY 2206
8996 Etiwanda Ave.	Rancho Cucamonga, CA 91739

II. OWNER/OPERATOR IDENTIFICATION

OWNER/OPERATOR NAME 2207	PHONE 2208
Reliant Energy Etiwanda, Inc.	(909) 899-7220

MAILING ADDRESS 2209	CITY 2210	STATE 2211	ZIP CODE 2212
8996 Etiwanda Ave.	Rancho Cucamonga	CA	91739

III. REGULATED SUBSTANCES LIST

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1.			
2.			

NOTES *(Conversion Factors, Calculation Notes, Mixture Information, etc. Note which substance or mixture the note applies to):* 2223

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IV. CERTIFICATION

I, as the owner or operator of the aforementioned business, hereby certify that the registration information provided above is true, accurate and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

SIGNATURE OF OWNER/OPERATOR	DATE 2224
	August 9, 2004

NAME OF OWNER/OPERATOR 2225	TITLE OF OWNER/OPERATOR 2226
Danny Ross (909) 899-7241	General Manager

URS

LETTER OF TRANSMITTAL

Date:

RECEIVED
JUN 08 2007
S.B. CO. FIRE DEPT.

TO: Kristen Riegel
Office of the Fire Marshall
Hazardous Materials Div
620 South "E" Street
San Bernardino, CA
92415-0153

FROM: Anne Runnalls
URS Corp
1615 Murray Canyon Rd
San Diego, CA

Attention:

JOB No.: 28067169

RE: SGGS AMMONIA FIGURES

The following items are being sent: ☒ Attached ☐ Under separate cover by
☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications ☐ Copy of Letter
☐ Other

Item	Copies	Date	Description
1	1	6/5/07	Figure 8.12-3 Worst case Scenario
2	1	6/5/07	Figure 8.12-4 Alternate Scenario
3			
4			
5			

Transmittals for reasons checked:

☐ For Your Approval
☒ For Your Use
☒ As Requested
☐ For Review and Comment
☐ No Exceptions Taken
☐ Make Corrections Noted
☐ Amend and Resubmit
☐ Resubmit copies for approval
☐ Submit copies for distribution
☐ Return corrected prints
☐

Remarks: Let me know if you need anything else.
Thanks

Copies:

If enclosures are not as noted, kindly notify us at once.

Name: Anne Runnalls AR
Senior Air Quality Engineer

URS Corporation



WORST CASE SCENARIO
PREDICTED AMMONIA CONCENTRATION
ETIWANDA EXPANSION PROJECT
RELLIANT ENERGY

URS

250 0 250 500 Feet
SCALE: 1"= 500'

CHECKED BY: JL	DATE: 06-05-07	FIG. NO:
PM: JL	PROJ. NO: 28067169.21200	8.12-3

X:\28067169\Revised Figures 8.12-3&8.12-4.dwg Jun 05, 2007 - 2:37pm



ALTERNATE SCENARIO
PREDICTED AMMONIA CONCENTRATION
ETIWANDA EXPANSION PROJECT
RELLIANT ENERGY

N

URS

250 0 250 500 Feet

SCALE: 1"= 500'

CHECKED BY: JL	DATE: 06-05-07	FIG. NO:
PM: JL	PROJ. NO: 28067169.21200	8.12-4

X:\28067169\Revised Figures 8.12-3&8.12-4.dwg Jun 05, 2007 - 2:38pm

Reliant Energy

Etiwanda Generating Station

April 15, 2009

Ms. Kathleen Brundage
Hazardous Materials Specialist
County of San Bernardino Fire Department
620 South "E" Street
San Bernardino, CA 92415-0153

Subject: Meeting Notes of April 7, 2009 – Reliant Etiwanda Generating Station RMP Update

Dear Ms. Brundage:

On behalf of the Reliant Etiwanda Generating Station, I would like to express our appreciation for you and your team of Kristen Riegel and Gheorghe Man taking the time to meet with Larry Reider of Sage Environmental Consulting and myself on the 7th of April. This letter summarizes our discussion.

Three agenda items were covered in the meeting:

1. *Offsite Consequence Analysis:* The Offsite Consequence Analysis (OCA) previously done for the 2004 RPM update satisfied the requirements of the Department. Inputs previously used for the OCA should be used for the 2009 update. The location of nearby receptors should be updated to ensure that none are impacted.
2. *Hydrazine Storage:* Hydrazine, used as an oxygen scavenger, is delivered at 35 weight percent in 180 gallon totes. Each tote contains approximately 530 pounds of hydrazine. The CalARP threshold quantity (TQ) is 1,000 pounds and the federal TQ is 15,000 pounds. Since the hydrazine in two full totes would slightly exceed the CalARP TQ, Reliant proposes to implement administrative controls to limit the maximum quantity of hydrazine to one full and one less than half-full totes (800 pounds). The Department will accept this approach if procedures are in place and training is conducted to ensure that Etiwanda Generating Station personnel understand and implement this administrative control.
3. *RMP Update Submittal:* San Bernardino has used RMP*Submit for CalARP. On March 13, 2009 federal changes replaced RMP*Submit with RMP*eSubmit. RMP*Submit will still be supported and we should use it for our submittal.

Once again, thank you for taking the time to meet with us. Please call Larry Reider at 760-724-5732 or myself at (909) 899-7290 if you have any questions regarding this meeting summary or the Etiwanda Generating Station RMP.

Regards,

Paul Lacroix
Environmental & Safety Rep.
Etiwanda Generating Station
Office 909-899-7290
Cell 909-322-5971

RECEIVED
APR 17 2009
S.B. CO. FIRE DEPT.

KRI Energy
Paul LaCroix

OPERATION, MAINTENANCE, AND SPILL RESPONSE - AQUEOUS AMMONIA SYSTEM

1.0 Purpose

The purpose of this Station Order is to ensure the safe operation and maintenance of the aqueous ammonia system. Aqueous ammonia is a regulated hazardous substance and proper care is essential to prevent harm to personnel, the environment and to prevent an accidental discharge. This Station Order gives guidance to station employees for the safe handling, storage, usage and emergencies with aqueous ammonia at the station.

2.0 Responsibility

2.1 General Manager

The General Manager shall be responsible for overseeing all activities, operations and compliance of the Risk Management Program, the aqueous ammonia systems and will also ensuring the following:

2.1.1 Shall insure that a Root Cause Analysis or an investigation of any incident that could or does results in an accidental discharge or unprotected exposure of employees is conducted.

2.1.2 That all lessons learned are assimilated into the stations' operating and maintenance procedures as required.

2.1.3 That corrective and preventative actions are addressed.

2.1.4 That best management practices are evaluated and implemented as needed.

2.1.5 That all required testing and maintenance is performed.

2.1.6 That all required inspections are performed.

2.2 Operations Manager

The Operations Manager is responsible for ensuring that all Operating Personnel involved in the operation of the aqueous ammonia system have been trained on and comply with station polices, procedures and the following:

2.2.1 That all Operations personnel are trained on the physical properties and hazards of aqueous ammonia.

2.2.2 That the aqueous ammonia transporter complies with the delivery requirements for transporting aqueous ammonia to the station.

2.2.3 Off loading procedure of ammonia tanker trucks are followed.

2.2.4 System operating requirements and limitations understood and the system is operated accordingly.

2.2.5 Daily inspections of the aqueous ammonia systems are conducted.

2.2.6 Is responsible for identifying operational and mechanical problems.

2.2.7 Is responsible for preparing the aqueous ammonia systems for maintenance.

2.2.8 That all personnel working in the vicinity of aqueous ammonia systems have been informed of the potential hazards and are properly trained and equipped.

2.2.9 That all contractors working on aqueous ammonia system are trained and qualified to work on aqueous ammonia system.

2.2.10 Ammonia emergency procedures are up-to-date, available, and implemented if and when necessary.

2.3 Maintenance Manager

The Maintenance Manager is responsible for ensuring that all Maintenance Personnel involved in the maintenance and repair of the aqueous ammonia system have been trained on the following:

2.3.1 That all Maintenance personnel are trained on the physical properties and hazards of aqueous ammonia.

2.3.2 That all Maintenance personnel are trained in the appropriate maintenance and testing practices.

2.3.3 That all personnel are trained in ammonia emergency procedures.

2.3.4 That all required maintenance activities are performed when and as required.

2.3.5 That all contractors working on aqueous ammonia system are trained and qualified to work on aqueous ammonia system.

2.3.6 Will insure that a Root Cause Analysis or an investigation of any incident that could or does result in an accidental discharge or unprotected exposure of personnel is conducted.

2.3.7 That all corrective actions are addressed in a timely manner.

2.3.8 That all maintenance records are maintained.

2.4 Plant Safety & Environmental

The Plant Safety & Environmental is responsible for ensuring the following:

2.4.1 That all station personnel have received an awareness level of training for aqueous ammonia.

2.4.2 All personnel involved in the operation and maintenance of the aqueous ammonia system have received training on the physical properties and hazards of aqueous ammonia.

2.4.3 Shall be involved with the Root Cause Analysis or investigation of any incident that could or did result in an accidental discharge or in the unprotected exposure of personnel.

2.4.4 Shall review and update this Station Order if needed whenever there is a change to the design or operation of the aqueous ammonia system.

2.4.5 Shall review and update this Station Order every five years.

2.5 Plant Engineer

The Plant Engineer shall be responsible for ensuring the following:

2.5.1 That all changes and or modifications to the aqueous ammonia system comply with applicable industry standards and regulations.

2.5.2 Shall be responsible for overseeing management of change procedures.

2.5.3 That an annual inspection of the aqueous ammonia system is conducted and documented.

2.5.4 Shall conduct a Root Cause Analysis or an investigation of any incident that could or did result in an accidental discharge or unprotected exposure of personnel.

3.0 RMP Regulated Hazardous Materials

3.1 Aqueous Ammonia 19% Solution:

Etiwanda maintains quantities of Aqueous Ammonia 19% solution that exceeds the CalARP RMP program Threshold Quantity (TQ). 19 percent aqueous ammonia is not regulated under the Federal Program. A hypothetical worst-case release of aqueous ammonia at the Etiwanda Generating Station would not result in offsite exposures at or above the toxic endpoint. Therefore, the Etiwanda Generation Station is classified as Prevention Program 1 (California state-only).

The major hazards encountered in the use and handling of aqueous ammonia come from its toxicological properties. Aqueous ammonia, a colorless and intensely pungent liquid, can be toxic by all routes (i.e. inhalation, ingestion, and dermal contact) of exposure.

Effects from exposure may include extreme irritation of the eyes and mucous membranes, contact burns to the skin and eyes, and life-threatening pulmonary edema.

3.1.1 Aqueous Ammonia Physical Properties:

Trade Name: Aqueous Ammonia solution (19%)
a.k.a. Ammonium Hydroxide solution (19%)

- Hazardous Component:•••••••• Ammonia C.A.S. # 7664-41-7
- Physical State:••••••••••••••••••Liquid
- Boiling Point: ••••••••••••••••••Approximately 160° F.
- Vapor Pressure: •••••••••••••••• 130 mm Hg @ 68° F.
- Vapor Density: •••••••••••••••• 0.6 (ammonia gas);
  >1 (aqueous ammonia aerosol)
- Specific Gravity: •••••••••••••• 0.96
- Bulk Density: ••••••••••••••••••7.50 pounds/gallon
- LEL/UEL: •••••••••••••••••••• 16-25% (ammonia gas)
- Auto Ignition: ••••••••••••••••••651° F. (ammonia gas)

3.1.2 Aqueous Ammonia Hazards:

Aqueous ammonia vapors are severely irritating to the throat and respiratory tract and will cause corrosive burns or blisters to the skin. Vapors will cause intense irritation to the eyes and an extreme exposure may cause blindness. An acute exposure to high concentrations of aqueous ammonia may result in permanent injury or death. Aqueous ammonia has not been identified as a potential carcinogen.

- Permissible Exposure Limit (PEL): •••••••••••••••••••••••• 25 ppm
- Short Term Exposure Limit (STEL): ••••••••••••••••••••••••35 ppm
- Immediately Dangerous to Life and Health (IDLH): •••••• 300 ppm

3.2 Aqueous Hydrazine 35% Solution:

The Etiwanda Generating Station has Aqueous Hydrazine 35% solution, which is used as an oxygen scavenger,

3.2.1 Aqueous Hydrazine 35% Solution Quantities:

The station has the potential of having quantities that could exceed the CalARP threshold quantity for aqueous hydrazine. The aqueous hydrazine solution is delivered at 35 weight percent in 180 gallon totes. Each tote contains approximately 530 pounds of hydrazine. The CalARP threshold quantity (TQ) is 1,000 pounds and the federal TQ is 15,000 pounds.

Since two full totes of aqueous hydrazine would exceed the CalARP TQ, Etiwanda Generating Station has implement administrative controls to limit the maximum quantity of aqueous hydrazine to one full tote and one tote less than half-full. This would keep the station at less than 800 pounds of aqueous hydrazine solution at any given time.

3.2.2 Ordering Aqueous Hydrazine:

The purpose of the following procedure for Ordering Aqueous Hydrazine is to prevent Etiwanda from violating the CalARP TQ threshold quantity limits that would result in the facility receiving an Notice of Violation (NOV).

The station will NEVER order a new tote of aqueous hydrazine until the one in service is less than half-full (1/2 full). It takes approximately 30 days after the order has been placed to receive the new tote. This ordering process will help insure Etiwanda does not have more than 1 and a 1/2 totes or 800 lbs. of aqueous hydrazine solution on the station at any given time.

3.2.2.1 Aqueous hydrazine solution shall only be ordered by the following personnel in the order listed:

1. Chemical Technician
2. Operations Specialist
3. Operations Manager

3.2.2.2 The person placing the order will visually insure the following information:

- There is only one tote with aqueous hydrazine solution on the station.
- The tote in service is less than half-full (1/2 full).

3.2.2.3 They will verify that the storeroom has not placed an order within the last 40 days.

3.2.3 Regulator Compliance:

It is mandatory for all Etiwanda Generating Station personnel to comply with the proceeding requirements of this procedure. To maintain compliance with the CalARP threshold quantity limits of the Risk Management Plan (RMP). This plan is administered and regulated by the "County of San Bernardino Fire Department Office of the Marshal Hazardous Materials Division".

4.0 Safety Overview

The system supplies aqueous ammonia to two different systems within the plant. 1) Selective Catalytic Reduction (SCR) system. 2) Boiler Water Treatment system.

The aqueous ammonia is used in the SCR system to reduce the NOx emissions created by the combustion of fuel in the boilers. It is used in the boiler water treatment system to control the pH of the water inside the boiler.

The aqueous ammonia system consists of two bulk storage tanks, four supply pumps, isolation valves, strainers, flow meters, safety devices and connecting piping. The aqueous ammonia system is a closed system and normal operation of the system does not expose personnel to the aqueous ammonia or its vapors.

Shutting down the aqueous ammonia system at any time, whether automatically, manually, or accidentally, does not present a hazard. Stopping the aqueous ammonia flow will not have an adverse impact on the integrity of the aqueous ammonia system and will not lead to an accidental discharge of aqueous ammonia.

Each of the bulk aqueous ammonia storage tanks are designed with a capacity of 10,000 gallons each. Each bulk storage tank is equipped with a pressure relief valve that is set at 25 psig, and a vacuum relief valve set at –13.8 in. wg. Vac. The tank has a local level indicator, pressure gauge, and temperature indicator. The tank level and pressure are transmitted to the Control Room.

There is ammonia gas detectors located at the bulk aqueous ammonia tank area, pump skids, and at each of the vaporizer skids. These ammonia gas detectors activate an alarm in the Control Room.

Additionally, there is eyewash/shower stations located on the inside of the tank secondary containment area and on the outside at the north and south ends of the tank secondary containment area.

5.0 Operation

The Operations department has the primary responsible for ensuring the proper operation and monitoring of the aqueous ammonia system.

5.1 Delivery

Aqueous ammonia is delivered to the station by tanker truck. A typical delivery is approximately 6,000 gallons. The highest consumption of aqueous ammonia is during the summer months when the generating units are at peak loads. There may be as many as 1 delivery per week during the summer months.

Unloading

1. Trucks arriving at Etiwanda Generating Station will be held at the entrance gate until the Operations escort arrives.

2. The Operator will escort the Ammonia delivery truck to the offloading area. Only trained, authorized personnel shall work with any part of the aqueous ammonia system.

3. The Operator will verify that there is adequate room in the tank for the ammonia delivery.

4. The Driver and Operator must wear, safety glasses, face shields, rubber gloves, and protect exposed skin anytime they are connecting or disconnecting hoses, or operating valves.

5. Respirators must be available for the Driver and Operator.

6. The Operator will flush eyewash/safety showers for at least two minutes before starting any work. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.**

7. The Operator will notify the Control Room Operator that they are ready to proceed with connecting and offloading the ammonia to the tank.

8. The Control Room Operator will make the following announcement over the PA:

   Attention All Personnel,
   Attention All Personnel,
   Ammonia unloading is in progress,
   All personnel stand clear of the Ammonia tank area
   On the east side of Unit #3

9. The Operator will have a service water hose ready to hose down any small leaks.

10. In the interest of safety, there shall always be two or more persons when transferring ammonia from truck to tank or tank to truck.

11. The Driver will connect the vapor return hose to the truck tank, and to the station tank vapor return line and open the valves. The Operator will then check to ensure that all of the vapor return line valves are open. **Under no circumstances will the truck be unloaded without vapor hose in place and valves open.**

12. The driver will connect the liquid unloading hose from the truck unloading pump to the proper Station Ammonia Tank fill line.

13. The Driver will open Ammonia tank fill valves.

14. The Driver will open the liquid discharge valve from truck to ammonia tank.

15. The Operator will verify that the Ammonia tank fill and truck valves are open.

16. The Driver will start the unloading pump and start transferring ammonia.

17. The Driver and the Operator will inspect for leaks. If a leak is found the unloading will be stopped and the Control Room Operator notified. If the cause of a small leak is obvious and it can be repaired, unloading may continue after the repair has been made. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.**

18. If the unloading appears normal, the Operator and Driver will complete the unloading.

19. When unloading is complete the Operator will notify the Control Room Operator.

20. The driver will clean out the liquid unloading hose from the truck to the tank with an air blast.

21. The Operator will then close the ammonia tank fill valves and the vapor return line block valves.

22. The driver will close the truck discharge and vapor valves.

23. The Driver and Operator will make sure that all liquid and vapor valves are closed before disconnecting liquid and vapor hoses.

24. The Driver will disconnect hoses and stow them.

25. The Operator will hose down any small leaks before signing for shipment

26. The Operator will notify the Control Room Operator that they have completed the offloading of the ammonia and that valving is secured and in the normal position.

27. The Control Room Operator will make the following announcement over the PA:

    Attention All Personnel,
    Attention All Personnel,
    The Ammonia unloading at Unit #3
    Is completed

28. The Operator will sign the invoice for the load and any other paperwork that the driver needs signing. The Operator will receive copies of the invoice and any other paperwork and place it into the Operation's Supervisor's out-basket.

29. The Operator will escort the truck to the exit gate.

5.2 General Operational Precautions

Operators shall adhere to the following operational precautions in order to prevent or mitigate an accidental discharge of aqueous ammonia:

5.2.1 All valves that vent or drain aqueous ammonia directly to the environment shall be closed and shall be capped or plugged except when being used for servicing the system.

5.2.2 The secondary containment drain valve at the bulk aqueous ammonia tank shall be normally closed and never left unattended in the open position. The drain valve shall only be opened for short periods of time when necessary to drain rainwater.

5.3 Start-up of Aqueous Ammonia System

Prior to starting the first aqueous ammonia pump, an Operator shall walk down the system and assure that the pumps are properly valved to the system.

5.3.1 All vent and drain valves are closed and capped/plugged.

5.3.2 The suction and discharge valves of the pumps are open.

5.3.3 The following permissives must be met prior to opening the SCR ammonia shut off Power Operated Valves (POVs) and starting the pumps:

5.3.3.1 Forced Draft Fan: ON

5.3.3.2 Boiler: ON

5.3.3.3 SCR Inlet Temperature (gas fuel): >450° F.

5.3.3.4 Atomizer Air: >30 psig

5.3.4 When all permissives are met, the Control Room may initiate aqueous ammonia flow to the SCR by opening the SCR aqueous ammonia shutoff POV and starting the pump. If one of the permissives is no longer met, the SCR ammonia shutoff POV will automatically close and the pump will stop.

The Operator may stop the aqueous ammonia flow to the SCR vaporizers at any time by closing the SCR ammonia shutoff POV and stopping the pump from the Control Room.

5.3.5 The desired flow rate is determined by the fuel gas flow rate to the boiler and the NOx concentration at the inlet of the SCR catalyst. Insufficient flow does not create a hazard. Excess flow does not create a hazard but may result in excess SCR ammonia slip that must be controlled to less than 10 ppm.

5.4 Daily Inspection

Operators perform a visual inspection of all hazardous material bulk storage tanks including the bulk aqueous ammonia tank at least twice daily. Inspection results are recorded on the "RCRA and CWA Daily Inspection Report" form. Any irregularities observed are noted on the inspection form and reported to the Control Operator and the Operations Supervisor for immediate action, and a maintenance work request is also generated.

5.5 Securing Aqueous Ammonia System:

5.5.1 Normal Shutdown: Close SCR ammonia shutoff POVs from the Control Room.

5.5.2 Prolonged Shutdown (one unit): Close SCR ammonia shutoff POVs from the Control Room. Close unit supply valve at injection grid.

5.5.3 Prolonged Shutdown (both units): Close SCR ammonia shutoff POVs and shut down pump from the Control Room. Close both unit supply valves at the tanks.

5.5.4 Precautionary Shutdown: Close SCR ammonia shutoff POVs and shut down pumps from the Control Room. Close both unit supply valves at the tanks.

5.5.5 Emergency Shutdown: Close SCR ammonia shutoff POVs and shut down supply pumps from the Control Room. Close both unit suction valves at the tanks.

5.6 Response to Ammonia Gas Detector Alarm

Operators shall exercise caution whenever investigating an ammonia gas detection alarm.

5.6.1 The Operator investigating the alarm shall carry a radio and be in continuous contact with the Control Room. The Operator shall approach the suspected area from an upwind direction.

5.6.2 If the Operator detects an ammonia odor, the Operator shall withdrawal to a safe distance. The Operator shall assess the situation and report his observations to the Control Room.

5.6.3 Based on the Operator's assessment, the Control Room shall stop the ammonia flow by shutting down the aqueous ammonia pumps and contact the Operations Specialist or the Duty Manager for further instructions.

6.0 Maintenance

The Maintenance Department is responsible for all repair, calibration and testing of the aqueous ammonia system. The Maintenance Department is also responsible for overseeing all contractors that service or perform any type work on the aqueous ammonia system.

6.1 Clearing & Isolating Equipment for Maintenance

The station complies with RRI Energy's "Control Of Hazardous Energy Sources" also know as "Lock Out / Tag Out (LOTO)" for isolating equipment for all maintenance activities, on all system. This comprehensive procedure assures employee safety and provides uniformity in preparing of equipment for work.

6.2 Employee Protection for Routine Maintenance

In general, all components of the aqueous ammonia system can be isolated and flushed with water in preparation for maintenance and servicing and thus no special personnel protection is required for working on these components. There are a few small portions of the system, such as strainers, which cannot be flushed and may contain small amounts of aqueous ammonia solution. While servicing these components, employees shall take the following additional protective measures:

6.2.1 Personal Protective Equipment: Air Purifying Respirator with ammonia cartridge, face shield, apron, and rubber gloves.

6.2.2 A hose with running water to dilute the small amount of contained aqueous ammonia solution.

6.2.3 The worker shall verify a good path of egress prior to starting work.

6.2.4 Bleed the contained aqueous ammonia solution off at a slow rate.

6.3 Annual Condition Assessment Survey

An annual condition assessment survey shall be performed to assess the condition of the aqueous ammonia system. This survey shall be scheduled for the first opportunity after November 1st in which the aqueous ammonia system is not in service. The condition assessment survey shall include:

6.3.1 The aqueous ammonia system components shall be walked down and visually inspected for signs of deterioration. Signs of deterioration shall be investigated to determine their impact of the integrity of the system. Any deficiencies shall be recorded and corrected.

6.3.2 All aqueous ammonia equipment foundations and pipe supports shall be visually inspected for corrosion, abrasion, and integrity. Any deficiencies shall be recorded and corrected.

6.3.3 Every valve in the aqueous ammonia system shall be visually inspected. Every valve, excluding vent and drain valves, shall be fully opened and closed to assess condition and ease of operation. Any deficiencies shall be recorded and corrected.

6.4 Integrity Testing of Bulk Aqueous Ammonia Tank

Every five years, the bulk aqueous ammonia tank shall be subjected to an integrity test. The integrity test shall include a comprehensive ultrasonic examination of the tank wall thickness. The results of the ultrasonic examination shall determine if an interior visual inspection is also required. The following tank ancillary equipment shall be removed, inspected, calibrated, and/or recertified, as appropriate:

- Pressure Relief Valve
- Vacuum Relief Valve
- Flame Arrestor (flame check)
- Level Gage
- Pressure Gage
- Temperature Indicator
- Any deficiencies shall be recorded and corrected prior to returning the tank to service.

6.5 Maintenance of Ammonia Gas Detection System

Routine maintenance of the six ammonia gas detectors consists of periodic calibration. The calibration requires the detector to be subjected to an ammonia calibration gas and the electronic circuitry adjusted to generate a reading equal to the calibration gas concentration. The four tricolor LEDs shall also be checked to verify that the instrument is in a normal operating condition.

7.0 Training

7.1 Risk Management Program Training

All station personnel are required to review this Station Order, periodically with recurrent training or whenever there is a change, to ensure understanding and compliance with the applicable operating procedures. This training is conducted either by computer based training, by required reading or by classroom instruction.

7.2 Hazard Communications Training

All Operation and Maintenance personnel receive initial and periodic recurrent Hazard Communication training. This training includes awareness training on all hazardous substances used at the facility, including aqueous ammonia and aqueous hydrazine. This training is conducted either by computer base training, by required reading or by classroom instruction.

7.3 Systems Training

Station Operators receive comprehensive training in all the systems and processes at the generating station. Their training includes several months of classroom instruction on the principles of power plant operations and several months of apprenticeship. Additionally, every Operator must complete a proficiency checklist by demonstrating to a more senior Operator their knowledge of the components, proper operation, and limitations of each system and process at the generating station.

7.4 Work Authorization Training

All Operation and Maintenance personnel receive initial and periodic recurrent training on RRI Energy's "Work Authorizations-Red Tag" procedures. This training is conducted either by computer based training, by required reading or by classroom instruction.

8.0 Emergency Response

8.1 Releases

The following are recommended steps to be followed in the event of an accidental release of aqueous ammonia:

8.2 Identify the source of the ammonia leak:

- Do not touch or walk through spilled material.
- Stop the leak if you can do it without risk.
- Prevent the spill from escaping the secondary containment area.
- Use a water spray to reduce vapors or divert cloud drift.
- Isolate the area until vapors have dispersed.

8.3 Isolate and control the source of the leak:

- Only do so if properly trained and wearing the appropriate PPE.
- Evacuate the spill or leak area immediately for at least 330 to 660 meters in all directions.
- Keep unauthorized personnel away.
- Stay upwind by viewing the wind socks within the facility.
- Avoid low or confined areas.
- Keep out of low areas and ventilate closed spaces before entering.

8.4 In case of a fire:

While aqueous ammonia does not ignite, its vapors can burn with the production of irritating or poisonous gases. Fire involving aqueous ammonia may be extinguished with dry chemical, CO2, water spray, fog, or standard foam. Also extra cautions should be included if the fire involves the storage tanks.

- Shut down all aqueous ammonia operations (if applicable).
- Fight fire from maximum distance, use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water safety devices.
- Withdraw immediately in case of rising sound intensity from venting safety devices or if discoloration of the tank is observed.
- Always stay away from the ends of tanks.

8.5 First Aid

Administer first aid to injured personnel (if applicable).

- Move victim upwind to fresh air.
- Notify the control room if medical care is needed.
- Apply artificial respiration if victim is not breathing.

NOTE: Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Keep victim warm and quiet.
- Keep victim under observation.
- Effects of contact or inhalation may be delayed.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

8.6 Evacuation

Evaluate the emergency and assess the possible need for an evacuation.

- Observe the wind direction to determine which one of the two evacuation assembly areas should be used.
- Depending on the situation personnel may be required to assembly in another location that is not designated as a normal assembly area.
- Personnel may need to be directed to evacuate the station.
- Alert all on-site personnel and direct them to one of the evacuation assembly stations or off site location.
- If an evacuation is called for make sure to account for all personnel that are on-site.

8.7 Notification

The order of notification of the following personnel and organizations must be decided at the time of the incident and would also be determined by the type and severity of the situation.

8.7.1 Notify Station Management Members:

- Station General Manager
- Environmental & Safety Representative
- Operations Manager
- Maintenance Manager
- Business Manager
- Operations Specialist

8.7.2 Contact off-site emergency responders as necessary:

- Fire – 911
- HazMat – 911
- Paramedics – 911
- Sheriffs – 911

8.7.3 Contractor Assistance:

- MP Environmental, Inc. – 1-800-458-3036
- United Pumping Service, Inc. – 1-626-961-9326

8.7.4 Report the release immediately to the proper authorities Federal, State, Local, if the release will impact others off site, the environment or if the release is 1,000 pounds or more.

- National Response Center – 1-800-424-8802
- San Bernardino County Fire Department, Hazardous Materials Division – 909-387-3044 or 1- 800- 338-6942
- California Office of Emergency Services – 1-800-852-7550

8.8 Incident Coordination

The control room shall coordinate all responses to an emergency. They will coordinate all activities with station personnel. They will also coordinate all activities with offsite emergency responders to the station. They will also coordinate with offsite contractors responding to mitigate the situation.

The control room operator may ask station personnel to assist in the emergency response, the coordination of contractors and with emergency responders. However the control room operator will still be the primary point for placing calls for additional resources and for the operation of station systems as needed.

The control room will coordinate all requests for placing equipment in a safe condition for work or access by using RRI's "Control Of Hazardous Energy Sources" also know as "Lock Out / Tag Out (LOTO)".

If or when the Emergency Services Incident Command system is implemented, all station personnel will assist the Incident Command with technical and manpower assistance as needed, within each person's knowledge, training and capability.

CUPA

San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

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AUG 29 2008
S.B. CO. FIRE DEPT.

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CalARP) REGISTRATION

Page ___ of ___

Registration Type 2200	Update Type 2201	FACILITY ID #
☐ a. New ☒ b. Update	☐ a. Add ☐ b. Delete ☒ c. Revise	F A Ø Ø Ø 2 9 4 3 1

I. FACILITY / STATIONARY SOURCE IDENTIFICATION

STATIONARY SOURCE NAME 2203	PHONE 2204
ETIWANDA GENERATING STATION	(909) 899-7290
STATIONARY SOURCE ADDRESS 2205	**CITY 2206**
8996 ETIWANDA AVE	RANCHO CUCAMONGA

II. OWNER/OPERATOR IDENTIFICATION

OWNER/OPERATOR NAME 2207	PHONE 2208
RELIANT ENERGY ETIWANDA INC.	(909) 899-7290

MAILING ADDRESS 2209	CITY 2210	STATE 2211	ZIP CODE 2212
8996 ETIWANDA AVE	RANCHO CUCAMONGA	CA.	91739

III. REGULATED SUBSTANCES LIST

A. Name of Each Regulated Substance: 2213	Percent by Weight 2214	Process Maximum Quantity (lbs.) 2215	CAS # 2216
1. Ammonia, Aqueous	19%	30,000	7664417
2.			
3.			

B. Name of Each Regulated Substance in a Mixture: 2217	Percent by Weight 2218	Process Maximum Quantity (lbs.) 2219	CAS # 2220
1.			
2.			

NOTES *(Conversion Factors, Calculation Notes, Mixture Information, etc. Note which substance or mixture the note applies to):* 2223

PROCESS QUANTITY = (2 TANKS)(10,000 Gallons max - TANK)
(8.34 lbs per Gallon)(0.9302 SP. GR.)(0.19) =
30,000 MAX lbs as Ammonia (Rounded to SIG. FIG)

IV. CERTIFICATION

I, as the owner or operator of the aforementioned business, hereby certify that the registration information provided above is true, accurate and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

SIGNATURE OF OWNER/OPERATOR	DATE 2224
	08/29/08

NAME OF OWNER/OPERATOR 2225	TITLE OF OWNER/OPERATOR 2226
LEE MOORE EX 7241	GENERAL MANAGER.

Revised 12/20/2002

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

PETER R. HILLS
Fire Chief
County Fire Warden

NOVEMBER 24, 2003

ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

ATTENTION: PAUL LACROIX

SUBJECT: RISK MANAGEMENT PLAN (RMP) EXTENDED DEADLINE

The San Bernardino County CUPA has extended the deadline for **Risk Management Plans** (RMPs) for existing **California-only covered processes** from March 1, 2004 to **September 1, 2004.** This is due to the impact that the Old Fire and the Grand Prix Fire had on the San Bernardino County Fire Department and on many of our regulated facilities. Note that **federally covered processes** are still required to meet the **5-year update** and resubmission requirements (~June 21, 2004 for most facilities). Please also note the following:

Business Emergency Contingency Plans
Annual business plan inventories are still required to be filed by **March 1, 2004.** Business plans filed after November 1, 2003, can meet the 2004 annual filing requirement by specifying on the Business Owner/Operator Identification Page of the plan an ending date of March 1, 2005. As an EPCRA (311-312) filer, you are required to file the entire inventory (including basic business information, emergency contacts, chemical inventory, and maps) each year. If that inventory information changes during the course of the year, you must update within 30 days of the change. You must also review the contents of the entire plan, including all procedures, at least every three years.

During the recent fires it became apparent that some facilities had outdated emergency contact information, outdated inventory information, and/or misleading signage at their facilities. This inaccurate information contributes to the always-challenging communication issue during an emergency. It is not only required by law, but it is in your best interest to have accurate information about your facilities on file and posted at your facilities.

RMP Submission - Facilities with Federal covered processes
If you own or operate a facility that was required to submit a Risk Management Plan (RMP) to the U.S. Environmental Protection Agency (EPA) to comply with 40 CFR 68, you are required to submit a revised RMP to EPA and this CUPA **no later than 5 years after your initial RMP submission.** If you submitted your initial RMP in June 1999, your revised RMP plan will need to be submitted during the first or second quarter of 2004. Facilities currently working on their five-year anniversary Risk Management Plan (RMP) update should be aware that EPA has proposed regulatory and technical changes to RMP submissions. EPA may not have final forms and instructions for resubmission until January of 2004 and you need to use those forms for submission of your revision. At the time the new requirements become effective, the new RMP*Submit version will be on-line and the previous version will no longer be available or accepted for submissions.

JOHN F. MICHAELSON
County Administrative Officer

JOHN GOSS
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
BILL POSTMUS ..... First District
PAUL BIANE ..... Second District
JERRY EAVES ..... Fifth District
DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District

RMP Submission - California Only covered processes
The San Bernardino County CUPA now anticipates receiving the appropriate program level Risk Management Plan RMP, and supporting technical studies from all facilities with California-only covered processes no later than **September 1, 2004.** Facilities with California-only processes that have already submitted a RMP because of being new or modified are required to resubmit their RMP **no later than 5 years after the initial RMP submission.**

RMP Submission – Both Federal and California Only covered processes
Facilities with both Federal and California-only covered processes should contact this CUPA for specific instructions. Note that CalARP specifies both a single RMP for all covered processes and no submission of California-only data to USEPA. This generally results in an electronic submission to EPA following their instructions that is then supplemented for a manual submission of a single RMP to cover all covered processes to the CUPA. Facilities in this group should plan to submit a single RMP to the CUPA by **the applicable 5-year deadline.**

RMP Submission – New or Modified covered processes
New or modified covered processes require a RMP before operations commence with some deadlines well in advance of operation. Early coordination is critical for a smooth startup of a new or modified covered process.

Risk Management Plan and Submission – All Facilities
~~The enclosed San Bernardino County CUPA CalARP Submission Requirements describe the details~~ of submitting your RMP to this CUPA. Submit one set of documents with original signatures. Please note that the CUPA may request to review onsite technical study documentation prior to an inspection or during an unannounced inspection. The documentation of the technical studies and documentation demonstrating implementation of the prevention program should be organized and maintained at the facility.

All of our forms are available from our web site: http://www.sbcfire.org. On the left hand menu, click on Hazmat and then click on forms and guidelines along the upper right of the page. If you prefer to receive this information by mail or pick it up in person, please contact our office.

The Basic RMP Work Plan is the tool that the facility uses to communicate the basic details of the project including the selection of a consultant. If the selection of consultants or the designation of Program levels has changed, the owner or operator must communicate that to the CUPA in writing, prior to this CUPA discussing site-specific details with that consultant.

Should you have any further questions, comments, or concerns, please contact me at (909) 386-8401. I look forward to working with you in the implementation of your accident prevention program.

Kathleen Brundage

KATHLEEN BRUNDAGE, REHS
ACCIDENT PREVENTION PROGRAM

If you would like to comment on service you have received from this Department or have any suggestions to improve customer service, please use our Customer Service Survey found at http://www.sbcfire.org/hazmat/forms/customer_service_survey.pdf

Enc: San Bernardino County CUPA CalARP Submission Requirements

FA0002943

San Bernardino County Fire Department
CUPA
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM
620 South E Street, San Bernardino, CA 92415-0153 • (909)386-8430 FAX (909) 386-8460

For Hazmat Division Use:
___ CalARP Registration form (date: _____)
___ Current business plan (last update_____)

Basic RMP Work Plan

Stationary Source Contact Information

Name of Stationary Source: Reliant Energy Etiwanda: Etiwanda Generating Station

Address of Stationary Source: 8996 Etiwanda Avenue; Rancho Cucamonga, CA 91739

Name of RMP Contact: Paul Lacroix; Environmental Coordinator

Mailing Address: Etiwanda Generating Station; 8996 Etiwanda Avenue; Rancho Cucamonga, CA 91739

Phone #: 1-909-899-7253 Fax #: 1-909-899-7222

e-mail: PLacroix@reliant.com

Consultant Contact Information (if applicable)

Company Name: ESCI EnviroServices, Inc.

Name of Project Coordinator: Steven Lichten

Address: 4401 Atlantic Avenue, Suite 200; Long Beach, CA 90807

Phone #: 1-562-984-2079 Fax #: 1-714-256-4812

e-mail: slichten@enviroservices.com

Process Information Anticipated Program Level based on initial worst case dispersion modeling

RMP Program Level: (1) 2 3 (circle) 4 digit SIC Code: 4911

Process subject to PSM? Y (N) (circle) Process Installation date: Appx. April 2002

RMP Technical Studies

Type of Hazard Evaluation: For Program Level 1 Worst Case analysis - a simple 'What If' technical study was performed.

Original Date(s): N/A: New Process Date Recertified: N/A: New Process

Date of Seismic Walkthru: N/A: anticipated Program Level 1

Methods for Air Dispersion Modeling

_____ Manual Calculations X Computerized Air Model: RMP-Comp v.1.07 (specify)

In a separate buildng? Y (N)(circle) Other Passive Mitigation concrete secondary containment (specify)

Prepared by: Steven Lichten; ESCI EnviroServices, Inc. Date: 12/13/2002

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM (CalARP) REGISTRATION

Registration Type 2200: ☐ a. New ☒ b. Update

Update Type 2201: ☐ a. Add ☐ b. Delete ☒ c. Revise

FACILITY ID: 3 6 0 0 1 0 0 8 8 7 9 1

I. FACILITY / STATIONARY SOURCE IDENTIFICATION

STATIONARY SOURCE NAME 2203: Etiwanda Generating Station

PHONE 2204: 1-909-899-7241

STATIONARY SOURCE ADDRESS 2205: 8996 Etiwanda Avenue

CITY 2206: Rancho Cucamonga

II. OWNER/OPERATOR IDENTIFICATION

OWNER/OPERATOR NAME 2207: Reliant Energy Etiwanda, LLC.

PHONE 2208: 1-909-899-7241

MAILING ADDRESS 2209: 8996 Etiwanda Avenue

CITY 2210: Rancho Cucamonga

STATE 2211: CA

ZIP CODE 2212: 91739

III. REGULATED SUBSTANCES LIST

A. Name of Each Regulated Substance:

	2213	2214 Percent by Weight	2215 Process Maximum Quantity (lbs.)	2216 CAS #
1.	Ammonium Hydroxide	19%	75,900 lbs.	1336-21-6
2.				
3.				

B. Name of Each Regulated Substance in a Mixture:

	2217	2218 Percent by Weight	2219 Process Maximum Quantity (lbs.)	2220 CAS #
1.				
2.				

NOTES *(Conversion Factors, Calculation Notes, Mixture Information, etc. Note which substance or mixture the note applies to):* 2223

Maximum 10,000 gals ammonium hydroxide in process x 7.59 lbs/gal = 75,900 lbs. (sp. gr. ~ 0.9)

IV. CERTIFICATION

I, as the owner or operator of the aforementioned business, hereby certify that the registration information provided above is true, accurate and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

SIGNATURE OF OWNER/OPERATOR

DATE 2224: 12/15/2002

NAME OF OWNER/OPERATOR 2225: Daniel W. Ross

TITLE OF OWNER/OPERATOR 2226: Plant Manager

Revised 7/25/2002

SAN BERNARDINO COUNTY
FIRE DEPARTMENT

620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415

Phone: Community Safety (909) 386-8400
Phone: Hazmat Division (909) 386-8401
Fax: (909) 386-8460

FAX COVER SHEET

Date: 10·29·02 Time: 0825

Please deliver the following 2 pages (Including Cover Sheet) to:

Name: Moises

From: Kristen Riegel 386·8430

If you do not receive all the pages in this transmittal, please call the sender at the reference phone number.

COMMENTS: Notice to comply w/ RMP Requirements for Reliant Energy. Questions, pls call me.

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

OFFICE OF THE FIRE MARSHAL
COMMUNITY SAFETY DIVISION
620 South "E" Street • San Bernardino, CA 92415-0179
(909) 386-8400 • Fax (909) 386-8460

PETER R. HILLS
Fire Chief
County Fire Warden

OCTOBER 29, 2002

RELIANT ENERGY ETIWANDA, L.L.C.
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739
ATTENTION: KIMBERLY BROWN

SUBJECT: NOTICE TO COMPLY - RISK MANAGEMENT PLAN

PROJECT: ETIWANDA GENERATING STATION
LOCATION: 8996 ETIWANDA AVENUE, RANCHO CUCAMONGA

California Health and Safety Code Section 25534.2 and Government Code 65850.2 require the owner or operator of a stationary source handling regulated substances to obtain from the administering agency, a notice of requirement to comply with, or determination of exemption from, the requirement for a RMP prior to the approval of a development project or issuance of a building permit.

Recently, Reliant Energy filed an application with the City of Rancho Cucamonga for an ammonium hydroxide process at the Etiwanda Generation Station. In January of 2001, Reliant Energy received a conditional determination of exemption for a similar process at this same site. That exemption was based on a State proposal for changes to the State list of regulated substances. Since that time, the Governor's Office of Emergency Services has indicated that ammonium hydroxide will remain a regulated substance at 1% and a 500 lb threshold. Therefore the policy of this CUPA now requires a Risk Management Plan (RMP) and an appropriate level prevention program for such processes. Also the CUPA recently established a deadline for existing facilities to submit RMPs for all covered processes by March 1, 2004.

Based on the above, the CUPA has determined that a Risk Management Plan (RMP) as defined in the California Accidental Release Prevention Program (CCR Title 19 Section 2735.1 et seq.) is required for all covered processes no later than March 1, 2004. While it is typical for RMPs to be implemented on new or modified processes prior to final certificate of occupancy, in this case the CUPA is adjusting the time frame for compliance to coincide with the deadline for existing facilities.

Please contact this office at (909) 386-8430 if you have further questions.

Kristen Riegel for

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement

Government Code §65850.2 (b) A city or county shall not find the application complete pursuant to Section 65943 or approve a development project or a building permit for a project that does not require a development permit other than a building permit, in which a regulated substance will be present in a process in quantities greater than the applicable threshold quantity, unless the owner or authorized agent for the project first obtains, from the administering agency with jurisdiction over the facility, a notice of requirement to comply with, or determination of exemption from, the requirement to prepare and submit an RMP.

JOHN F. MICHAELSON
County Administrative Officer

Board of Supervisors
BILL POSTMUS ..... First District
JON D. MIKELS ..... Second District
JERRY EAVES ..... Fifth District
DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District

FAX

San Bernardino County Fire Department
Hazardous Materials Division

Date 5/15/2002

Number of pages including cover sheet 5

To:
Kim Brown
Reliant Energy

Phone
Fax (909) 899-7222
CC:

From:
Marilyn Kraft
SB COUNTY FIRE

Phone (909) 387-3080
Fax Phone (909) 387-4323

REMARKS:

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

Per your request, copies of letters related to exemption on SCR 3+4 for Aqua Amona

SESSION	FUNCTION	NO.	DESTINATION STATION	DATE	TIME	PAGE	DURATION	MODE	RESULT
2579	TX	01	98997222	MAY.05	09:50	002	00H01'08"	ECM	OK

NAME:SBCO HAZ MAT
TEL :
DATE:MAY.05'2001 09:52

TX RESULT REPORT

COUNTY FIRE DEPARTMENT AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

Est 86008879

FAX

DATE: May 5, 2001 **TIME: 11:00 AM**

TO: RELIANT ENERGY, ETIWANDA GENERATING STATION
KIMBERLY BROWN

FAX: (909) 899-7222

FROM:

Marilyn Kraft, MBA, REHS
San Bernardino County Fire Dept
Hazardous Materials Division

PHONE: (909) 387-4631
FAX: (909) 387-4323
Email: mkraft@fire.co.san-bernardino.ca.us

SUBJECT: Accident Prevention Alert

# of Pages including Cover Sheet: 2

The attached Accident Prevention Alert is to bring your attention to potential hazards associated with rotating power outages. Please review the information and make appropriate changes to your emergency procedures and plans to protect your employees and the community from potential hazardous material releases.

At this time, the San Bernardino County Fire Department does not have a role in a facility's request for exemption from rotating outages. Any questions concerning exemptions from rotating outages should be directed to your provider of electricity (e.g. Southern California Edison). The regulatory agency overseeing the exemption process is the State of California Public Utilities Commission.

Kim: As we discussed, here is our alert. Let's hope for a cool summer! - MK

WILLIAM H. RANDOLPH
County Administrative Officer
JOHN GOSS
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
KATHY A. DAVIS ..... First District
JON D. MIKELS ..... Second District
JERRY HAVES ..... Fifth District
DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District

South Coast
Air Quality Management District
21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • http://www.aqmd.gov

February 22, 2001

Marilyn Kraft, MBA, REHS
Emergency Response and Enforcement
Hazardous Materials Division
County of San Bernardino Fire Department
385 North Arrowhead Avenue, Second Floor
San Bernardino, California 92415-0153

VIA FACSIMILE (909) 387-4323

Dear Ms. Kraft:

Proposed Reliant Energy Etiwanda Generating Station Selective Catalytic Reduction (SCR) Installation Project (SCH 2001021027)

Thank you for notifying the South Coast Air Quality Management District (AQMD) about your issuance of a notice of exemption for the above referenced project. Pursuant to the AQMD's review of California Environmental Quality Act (CEQA) applicability via our 400-CEQA form, it was determined a CEQA document is required before the issuance of AQMD's air quality permits. A Draft Mitigated Negative Declaration (MND) was released February 6, 2001 for a 20-day public review and comment period ending February 26, 2001.

A copy of the Draft MND has been enclosed. Please contact us if you care to have a copy of the Final MND upon certification. If you have any questions or need other information on the environmental analysis for this project, please call me at (909) 396-2706.

Sincerely,

Michael A. Krause
Air Quality Specialist
CEQA Section

Enclosure

(e:\ceqa\reliant\comm.doc)

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
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PETER R. HILLS
Fire Chief
County Fire Warden

FEBRUARY 21, 2001

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. COPLEY DR.
DIAMOND BAR, CA 91765-4182

ATTENTION: MR. MICHAEL KRAUSE, PLANNING/CEQA

SUBJECT FACILITY: RELIANT ENERGY ETIWANDA, LLC
LOCATION: ETIWANDA GENERATING STATION, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

In response to a request from the project applicant, the San Bernardino County CUPA is notifying you of a notice of exemption issued to the above facility undergoing CEQA review. On January 24, 2001, the above facility was granted a conditional site-specific exemption (see attached letter) from the requirement to prepare a Risk Management Plan (RMP) for the covered process including two 10,000 gallon tanks of 19% aqueous ammonia for the SCR system at the above address.

Since the listing of aqueous ammonia on Table 3 of the Regulated substance list in the CalARP regulations, it has been the practice of this CUPA to individually evaluate facilities handling aqua ammonia at less than 20% concentration and to allow a request for exemption. The project applicant submitted such a request for exemption on January 8, 2001.

In the draft revised Table 3 distributed in 1998, and in more recent direct communications with the State Office of Emergency Services, it appears that the State has a clear intention of listing ammonia with a concentration qualifier of 20% or greater. Should that intention change, or should other conditions warrant, this CUPA reserves the right to require the preparation and implementation of a prevention program and submission of a RMP in accordance with the CalARP regulations.

If you should have any questions, please contact me.

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement
mkraft@fire.co.san-bernardino.ca.us
Phone: (909) 387-4631 Fax: (909) 387-4342

WILLIAM H. RANDOLPH
County Administrative Officer
JOHN JOES
Assistant County Administrative Officer
Economic Development and
Public Services Group

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COUNTY FIRE DEPARTMENT

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385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

JANUARY 24, 2001

RELIANT ENERGY ETIWANDA, L.L.C.
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739
ATTENTION: PAUL LACROIX, SAFETY AND ENVIRONMENTAL SPECIALIST

SUBJECT: CALARP DETERMINATION OF EXEMPTION - AQUA AMMONIA FOR SCRs ON UNITS 3 & 4

FACILITY: ETIWANDA GENERATING STN; 8996 ETIWANDA AVE; RANCHO CUCAMONGA

This letter is in response to your letter received January 8, 2001, requesting an exemption for 20,000 gallons of 19% aqueous ammonia to be used in SCR systems at the Etiwanda Generating Station. Based on the information submitted with your request, it has been determined that Reliant Energy Etiwanda will not be required to prepare a Risk Management Program (RMP) for this process at this time. Please note that if aqua ammonia at this concentration remains a regulated substance in California, an RMP may be required in the future if conditions indicate that its use poses a regulated substance accident risk.

This notice satisfies the requirement of CA Health & Safety Code Section 25534.2 and Government Code 65850.2, for the owner or operator of a stationary source handling regulated substances to obtain from the administering agency, a notice of requirement to comply with, or determination of exemption from, the requirement for a RMP prior to the approval of a development project or issuance of a building permit.

General Duty Clause (fact sheet enclosed)
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If you have any questions, please contact me at (909) 387-4631.

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement

WILLIAM H. RANDOLPH
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
JON D. MIKELS ..... First District
JERRY HAYES ..... Second District
DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District
Fifth District

FEB.21.2001 12:13 SBCO HAZ MAT #2118 P.003/003

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
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PETER R. HILLS
Fire Chief
County Fire Warden

FEBRUARY 21, 2001

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. COPLEY DR.
DIAMOND BAR, CA 91765-4182

ATTENTION: MR. MICHAEL KRAUSE, PLANNING/CEQA

SUBJECT FACILITY: RELIANT ENERGY ETIWANDA, LLC
LOCATION: ETIWANDA GENERATING STATION, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

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If you should have any questions, please contact me.

Marilyn Kraft

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement
mkraft@fire.co.san-bernardino.ca.us
Phone: (909) 387-4631 Fax: (909) 387-4342

WILLIAM H. RANDOLPH
County Administrative Officer

JOHN GOSS
Assistant County Administrator
Economic Development and
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Board of Supervisors
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DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District

Chrono

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

JANUARY 24, 2001

RELIANT ENERGY ETIWANDA, L.L.C.
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739
ATTENTION: PAUL LACROIX, SAFETY AND ENVIRONMENTAL SPECIALIST

SUBJECT: CALARP DETERMINATION OF EXEMPTION - AQUA AMMONIA FOR SCRs ON UNITS 3 & 4

FACILITY: ETIWANDA GENERATING STN, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

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If you have any questions, please contact me at (909) 387-4631.

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement

Eric

WILLIAM H. RANDOLPH
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
PAUL BIANE ..... First District
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JERRY EAVES ..... Fifth District
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FRED AGUIAR ..... Fourth District

COUNTY FIRE DEPARTMENT

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
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(909) 387-4631 • Fax (909) 387-4323

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

PETER R. HILLS
Fire Chief
County Fire Warden

FAX

Feb 22, 2001

DATE: February 21, 2001

TIME: 1:15 ~~12:15pm~~

Paul LaCroix Reliant Energy

TO: Michael Krause, SCAQMD, CEQA/Planning
Brian Watts, Edison

FAX #899-7222
FAX: (909) 396-3324
FAX: (909) 394-8784

FROM: **Marilyn Kraft, MBA, REHS**
San Bernardino County Fire Dept
Hazardous Materials Division

PHONE: (909) 387-4631
FAX: (909) 387-4323

SUBJECT: Reliant Energy RMP Exemption **# of Pages including Cover Sheet: 3**

The attached letter is in response to the request of Reliant Energy for the CEQA review of the SCR installation project at 8996 Etiwanda Ave., Rancho Cucamonga.

Here is what I faxed to SCAQMD + Brian yesterday.

– Marilyn

WILLIAM H. RANDOLPH
County Administrative Officer

JOHN GOSS
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
KATHY A. DAVIS ..... First District
JON D. MIKELS ..... Second District
DENNIS HANSBERGER ..... Third District
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JERRY EAVES ..... Fifth District

File

COUNTY FIRE DEPARTMENT

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AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

FAX

DATE: February 21, 2001 **TIME: 12:15pm**

TO: Michael Krause, SCAQMD, CEQA/Planning **FAX:** (909) 396-3324
Brian Watts, Edison **FAX:** (909) 394-8784

FROM: **Marilyn Kraft, MBA, REHS** **PHONE:** (909) 387-4631
San Bernardino County Fire Dept **FAX:** (909) 387-4323
Hazardous Materials Division

SUBJECT: Reliant Energy RMP Exemption **# of Pages including Cover Sheet: 3**

The attached letter is in response to the request of Reliant Energy for the CEQA review of the SCR installation project at 8996 Etiwanda Ave., Rancho Cucamonga.

WILLIAM H. RANDOLPH
County Administrative Officer
JOHN GOSS
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
KATHY A. DAVIS ..... First District
JON D. MIKELS ..... Second District
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COUNTY FIRE DEPARTMENT

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(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

FEBRUARY 21, 2001

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. COPLEY DR.
DIAMOND BAR, CA 91765-4182

ATTENTION: MR. MICHAEL KRAUSE, PLANNING/CEQA

SUBJECT FACILITY: RELIANT ENERGY ETIWANDA, LLC
LOCATION: ETIWANDA GENERATING STATION, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

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Marilyn Kraft

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Chrono

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ECONOMIC DEVELOPMENT
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(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

JANUARY 24, 2001

RELIANT ENERGY ETIWANDA, L.L.C.
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739
ATTENTION: PAUL LACROIX, SAFETY AND ENVIRONMENTAL SPECIALIST

SUBJECT: CALARP DETERMINATION OF EXEMPTION - AQUA AMMONIA FOR SCRs ON UNITS 3 & 4

FACILITY: ETIWANDA GENERATING STN, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

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MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement

Enc.

WILLIAM H. RANDOLPH
Assistant County Administrator
Economic Development and
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South Coast
Air Quality Management District
21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • http://www.aqmd.gov

COUNTY FIRE
HAZARDOUS MATERIAL
01 FEB 15 PM 2:15

SUBJECT: **NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION (MND)**

PROJECT TITLE: **RELIANT ENERGY ETIWANDA GENERATING STATION SELECTIVE CATALYTIC REDUCTION (SCR) INSTALLATION PROJECT**

In accordance with the California Environmental Quality Act (CEQA), the South Coast Air Quality Management District (SCAQMD) is the Lead Agency and has prepared a Draft Mitigated Negative Declaration (MND) for the project identified above. The purpose of this letter, the Notice of Intent (NOI) and the attached Draft MND is to allow public agencies and the public the opportunity to review and comment on the environmental analysis contained in the Draft MND.

This letter, the NOI and the attached Draft MND are not SCAQMD applications or forms requiring a response from you. Their purpose is simply to provide information to you on the above project. If the proposed project has no bearing on you or your organization, no action on your part is necessary.

Comments focusing on issues relative to the environmental analysis for the proposed project should be addressed to Mr. Michael Krause (c/o Planning/CEQA) at the address shown above, sent by FAX to (909) 396-3324 or e-mailed to mkrause@aqmd.gov. Comments must be received no later than 5:00 p.m. on Monday, February 26, 2001. If submitting comments, please include your name and phone number.

Project Applicant: Reliant Energy Etiwanda, LLC

Date: 2/2/01

Signature Michael Krause
for Steve Smith, Ph.D.

Title: Program Supervisor

Telephone: (909) 396-3054

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. Copley Drive, Diamond Bar, California 91765-4182

NOTICE OF INTENT TO ADOPT A DRAFT MITIGATED NEGATIVE DECLARATION

Project Title:
Reliant Energy Etiwanda Selective Catalytic Reduction (SCR) Installation Project

Project Location:
The Reliant Etiwanda Generating Station is located at 8996 Etiwanda Avenue, Rancho Cucamonga, California in San Bernardino County.

Description of Nature, Purpose, and Beneficiaries of Project:
Reliant Energy is proposing to install SCR in two of their existing boiler exhaust units (Units 3 & 4); install two 10,000-gallon aboveground aqueous ammonia (19 percent concentration) storage tanks; and construct a containment wall around both ammonia tanks. SCR would be used to reduce nitrogen oxide (NO_X) emissions as part of Reliant's plan to meet declining facilitywide NOx emission limits required by South Coast Air Quality Management District's (SCAQMD) Regional Clean Air Incentives Market (RECLAIM) Program.

Lead Agency:
South Coast Air Quality Management District

Division:
Planning - CEQA

Draft MND and Supporting Documentation are Available at:

SCAQMD Headquarters
21865 E. Copley Drive
Diamond Bar, CA 91765

or by calling:
(909) 396-2039

or by accessing:
http://aqmd.gov/ceqa/nonaqmd.html

Review Period:
February 6, 2001 through February 26, 2001

CEQA Contact Person:
Michael Krause

Phone Number:
(909) 396-2706

DABWORD:2021NOC

EDISON
O&M SERVICES
A SOUTHERN CALIFORNIA EDISON ℠ Company

Engineering & Technical Services

FAX TRANSMITTAL

s/psec/diaz/98fax.doc

DATE: 2/14/01

→TO:

NAME: Marilyn Kraft
COMPANY:
TELEPHONE:
FAX NO.:

FROM:

NAME: Brian Watts
FAX: 4-7692
OUTSIDE FAX NO. (909) 394-8692
909-394-8784

Number of pages (including cover sheet) 3

DOCUMENT DESCRIPTION:

MESSAGE/INSTRUCTIONS: Per our discussion this P.M.

IF YOU NEED TO CONFIRM RECEIPT OF A FAX, PLEASE CALL MAGGIE DIAZ AT (909) 394-8928 OR PAX 4-7928

South Coast
Air Quality Management District
21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • http://www.aqmd.gov

SUBJECT: **NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION (MND)**

PROJECT TITLE: **RELIANT ENERGY ETIWANDA GENERATING STATION SELECTIVE CATALYTIC REDUCTION (SCR) INSTALLATION PROJECT**

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Comments focusing on issues relative to the environmental analysis for the proposed project should be addressed to Mr. Michael Krause (c/o Planning/CEQA) at the address shown above, sent by FAX to (909) 396-3324 or e-mailed to mkrause@aqmd.gov. Comments must be received no later than 5:00 p.m. on Monday, February 26, 2001. If submitting comments, please include your name and phone number.

Project Applicant: Reliant Energy Etiwanda, LLC

Date: 2/2/01

Signature Michael Krause
for Steve Smith, Ph.D.

Title: Program Supervisor

Telephone: (909) 396-3054

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. Copley Drive, Diamond Bar, California 91765-4182

NOTICE OF INTENT TO ADOPT A DRAFT MITIGATED NEGATIVE DECLARATION

Project Title:
Reliant Energy Etiwanda Selective Catalytic Reduction (SCR) Installation Project

---

Project Location:
The Reliant Etiwanda Generating Station is located at 8996 Etiwanda Avenue, Rancho Cucamonga, California in San Bernardino County.

Description of Nature, Purpose, and Beneficiaries of Project:
Reliant Energy is proposing to install SCR in two of their existing boiler exhaust units (Units 3 & 4); install two 10,000-gallon aboveground aqueous ammonia (19 percent concentration) storage tanks; and construct a containment wall around both ammonia tanks. SCR would be used to reduce nitrogen oxide (NO_X) emissions as part of Reliant's plan to meet declining facilitywide NOx emission limits required by South Coast Air Quality Management District's (SCAQMD) Regional Clean Air Incentives Market (RECLAIM) Program.

Lead Agency:
South Coast Air Quality Management District

Division:
Planning - CEQA

Draft MND and Supporting Documentation are Available at:

SCAQMD Headquarters 21865 E. Copley Drive Diamond Bar, CA 91765	or by calling: (909) 396-2039	or by accessing: http://aqmd.gov/ceqa/nonaqmd.html

---

Review Period:
February 6, 2001 through February 26, 2001

CEQA Contact Person:
Michael Krause

Phone Number:
(909) 396-2706

DABWORD:2021NOC

AUTOMATIC COVER SHEET

DATE: FEB-14-2001 WED 03:36 PM

TO:

FAX #: 93874323

FROM:

FAX #:

04 PAGES WERE SENT

(INCLUDING THIS COVER PAGE)

South Coast
Air Quality Management District
21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • http://www.aqmd.gov

COUNTY FIRE
HAZARDOUS MATERIALS
01 FEB -8 PM 3:08

Office of the Executive Officer
Barry R. Wallerstein, D.Env.
909.396.2100, fax 909.396.3340

February 2, 2001

Mr. Scott Morgan
Governor's Office of Planning and Research, State Clearinghouse
1400 Tenth Street, Room 222
Sacramento, CA 95812-3044

RE: Shortened Review Period of 20 Days for Reliant Energy Etiwanda Generating Station Selective Catalytic Reduction System Installation for a Draft Mitigated Negative Declaration (MND)

Dear Mr. Morgan,

Pursuant to California Public Resources Code (PRC) §21091(e), the South Coast Air Quality Management District (SCAQMD), as the Lead Agency, is requesting a shortened review period of 20 days for the Draft MND prepared for the above project. The reasons for the shortened review request are provided on the attached Form E (Shortened Review Request Form). Also as noted on the attached Form E, the proposed project does not meet any of the criteria of a "project considered to be of statewide, regional or areawide significance" (CEQA Guidelines §15206).

Consistent with PRC §21091(e), the Office of Planning and Research's (State Clearinghouse) guidance contained in its "Shortened Review Process," the SCAQMD has contacted the various Responsible and Trustee Agencies who may have some discretionary approval authority over the aforementioned project to obtain their permission for a shortened review. All agencies contacted agreed to a shortened review. To expedite processing the shortened review request for this project, the SCAQMD requested that each agency also contact the State Clearinghouse separately.

The SCAQMD anticipates that the Draft MND for the proposed project will be released February 6, 2001. The SCAQMD is submitting this shortened review request with the attached Form E prior to release of the Draft MND so the shortened review period can be identified in the Draft MND's notice of completion. The SCAQMD will submit the requisite 15 copies of the Draft MND to the State Clearinghouse when it is released for public review and comment.

If you should have any questions concerning this request or the proposed project, please do not hesitate to call Michael Krause at 909.396.2706 or e-mail him at mkrause@aqmd.gov. Thank you in advance for your expeditious consideration of this shortened review request.

Sincerely,

Barry R. Wallerstein, D.Env.
Executive Officer

BRW/EC/MK
Enclosures

cc: Dan Colman, City of Rancho Cucamonga
Marilyn Kraft, San Bernardino County, CalARP Program
Harrison Nguyen, Inland Empire Utilities Agency
Ray Akhtarshad, Santa Ana Regional Water Quality Control Board
Brian McQuown, Reliant Energy
Michael Krause, SCAQMD
Steve Smith, SCAQMD
Mohsen Nazemi, SCAQMD

Shortened Review Request Form Form E

To: State Clearinghouse
1400 Tenth Street
Sacramento, CA 95814
(916) 445-0613

From: SCAQMD
21865 E Copley Drive
Diamond Bar CA 91765
(909) 396-2706

SCH # *not assigned yet*

Contact: Michael Krause

Project Title: Reliant Energy Etiwanda Selective Catalytic Reduction (SCR) Installation Project

Project Location: Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga

Explain "exceptional circumstances" (CEQA § 15205(d)) for requesting a shortened review:

1. The shortened review period will allow Reliant Energy Etiwanda to provide clean power on peak demand days, which will help avoid local and statewide electrical brownouts and blackouts, which could adversely affect the health and safety of California communities (CEQA Guidelines Appendix K, Criterion #4);
2. The shortened review period will allow the project proponent, Reliant Energy Etiwanda, to expeditiously comply with SCAQMD rules and regulations to reduce pollutants from power generating facilities located within the SCAQMD's area of jurisdiction, (CEQA Guidelines Appendix K, Criterion #4).

List state responsible and trustee agencies, as well as any agencies that have commented on the project:

City of Rancho Cucamonga, Planning Department
Santa Ana Regional Water Quality Control Board
San Bernardino County, CalARP Program
Inland Empire Utilities Agency

As designated representative for the lead agency, I verify, in their behalf, that there is no "statewide, regional, or areawide significance" to this project. Attached is a copy of the ordinance that designates the requestor's authority.

Length of review being requested: 20 days

Today's date February 2, 2001

BARRY R. WALLERSTEIN
Print Name

Signature Executive Officer

board, in conjunction with a public health organization or agency, shall prepare a report on the health impacts of particulate matter air pollution in the South Coast Air Basin. The south coast district board shall submit its report to the advisory council appointed pursuant to Section 40428 for review and comment. The advisory council shall undertake peer review concerning the report prior to its finalization and public release. The south coast district board shall hold public hearings concerning the report and the peer review, and shall append to the report any additional material or information that results from the peer review and public hearings.

(Added by Stats. 1999, Ch. 477, Sec. 4.)

Article 6. Officers and Employees

(Heading of Article 6 renumbered from Article 5 by Stats. 1980, Ch. 1085.)

H&S 40480 Appointment of Executive Officer and Staff

40480. (a) The south coast district board shall employ the necessary staff to carry out its program throughout the south coast district.

(b) The south coast district board shall appoint an executive officer to direct the staff, subject to the direction and policy of the south coast district board.

(c) The staff shall also be available to serve those portions of a county not included within the south coast district where the county is only partly included within the south coast district.

(d) The south coast district may enter into a contract with any city or county included, in whole or in part, within the south coast district to perform air pollution control functions for the south coast district, and the city or county may perform such functions for the south coast district pursuant to the contract.

(Amended by Stats. 1980, Ch. 1085.)

H&S 40481 Conditions for Executive Officer Appointment

40481. The executive officer shall be appointed solely on the basis of his administrative and executive abilities and qualifications. The executive officer and designated deputies shall serve at the pleasure of the south coast district board, and shall receive such compensation as is determined by the south coast district board.

(Added by Stats. 1976, Ch. 324.)

H&S 40482 Powers of Executive Officer

40482. The south coast district board may delegate duties to the executive officer as it deems appropriate. The executive officer shall perform and discharge, under the direction and control of the south coast district board, the powers, duties, purposes, functions, and jurisdiction vested in the south coast district board and delegated pursuant to this section.

Any power, duty, purpose, function, or jurisdiction which the south coast district board may lawfully delegate is conclusively presumed to have been delegated to the executive officer unless it is shown that the south coast district board, by affirmative vote recorded in its minutes, specifically has reserved the particular power, duty, purpose, function, or jurisdiction for its own action.

(Amended by Stats. 1987, Ch. 1301, Sec. 16.)

H&S 40483 Appointment of Legal Counsel

40483. The south coast district shall appoint a legal counsel who is admitted to the practice of law in this state.

(Added by Stats. 1976, Ch. 324.)

Moudler File

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

JANUARY 24, 2001

RELIANT ENERGY ETIWANDA, L.L.C.
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739
ATTENTION: PAUL LACROIX, SAFETY AND ENVIRONMENTAL SPECIALIST

SUBJECT: CALARP DETERMINATION OF EXEMPTION - AQUA AMMONIA FOR SCRs ON UNITS 3 & 4

FACILITY: ETIWANDA GENERATING STN, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

This letter is in response to your letter received January 8, 2001, requesting an exemption for 20,000 gallons of 19% aqueous ammonia to be used in SCR systems at the Etiwanda Generating Station. Based on the information submitted with your request, it has been determined that Reliant Energy Etiwanda will not be required to prepare a Risk Management Program (RMP) for this process at this time. Please note that if aqua ammonia at this concentration remains a regulated substance in California, an RMP may be required in the future if conditions indicate that its use poses a regulated substance accident risk.

This notice satisfies the requirement of CA Health & Safety Code Section 25534.2 and Government Code 65850.2, for the owner or operator of a stationary source handling regulated substances to obtain from the administering agency, a notice of requirement to comply with, or determination of exemption from, the requirement for a RMP prior to the approval of a development project or issuance of a building permit.

General Duty Clause (fact sheet enclosed)
Please note that while the stationary source is not required to prepare an RMP at this time, that it does have a general duty under Section 112(r) of the federal Clean Air Act Amendments to prevent and mitigate the consequences of releases of extremely hazardous substances. Note that extremely hazardous substances in this case are not limited to any particular list. The general duty clause requires owners and operators of stationary sources to:

- Identify hazards which may result from releases using appropriate hazard assessment techniques;
- Design and maintain a safe facility taking such steps as are necessary to prevent releases; and
- Minimize the consequences of accidental releases that do occur.

Therefore, any process safety information and procedures should be thoroughly documented.

Business Emergency/Contingency Plan (guidelines and example enclosed)
Changes in inventory require updating of the business emergency/contingency plan within 30 days of the change. Coming up also is the March 1, 2001 annual deadline for filing a complete business plan inventory. Please include a CalARP registration form (enclosed). Enclosed also is a summary of the release reporting requirements. Since startup can be an accident-prone stage in the life cycle of a process, please familiarize employees and contractors with the release reporting requirments and verify that facility emergency procedures are consistent with them.

If you have any questions, please contact me at (909) 387-4631.

Marilyn Kraft

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement
Enc.

WILLIAM H. RANDOLPH
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
... First District
... Second District
JERRY EAVES ... Fifth District
DENNIS HANSBERGER ... Third District
FRED AGUIAR ... Fourth District

RELIANT ENERGY ETIWANDA, L.L.C.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739
(909) 899-7291 FAX (909) 899-7222

COUNTY FIRE
HAZARDOUS MATERIAL
01 JAN -8 PM 3:40

December 1st, 2000

Marilyn Kraft
R.E.H.S., R.H.S.P.
Environmental Health Specialist
Hazardous Materials Management
385 N. Arrowhead Ave.
San Bernardino, Calif. 92415-0160

This letter is a follow up to our phone conversation regarding an exemption to the CCR, Title A, Division 2, Chapter 4.5, CalARP Table 3 (State Regulated Substances) for Ammonia, due to the State's pending change, that will change the State threshold to align with the Federal regulations for Ammonia. The planned use and storage of 19% concentration of Aqueous Ammonia solution would be in line with the pending changes to the regulations. Under these circumstances, Reliant Energy is requesting to comply with the Federal Regulations and asking for an exemption to the CalARP Program concerning requirements for performing an RMP due to Threshold Determination Quantities.

The facility legal name is Reliant Energy Etiwanda, LLC., also known as Etiwanda Generating Station, and is located at 8996 Etiwanda Ave., Rancho Cucamonga, Calif. 91739. This solution will be used for the regeneration process of the soon to be installed SCRs (Selective Catalytic Reduction) on Units 3 & 4. Applied Utility Systems on Reliant Energy's behalf, is submitting all required documentation and permitting with the city of Rancho Cucamonga, for the installation of the SCR Systems.

The SCR systems are designed to utilize a solution of 19% concentration of Aqueous Ammonia. The system will include two storage tanks each holding approximately 10,000 gal. for a total on site capacity of approximately 20,000 gals. This storage capacity should be adequate for 50% loading of units 3 & 4 for 24 hours a day, seven days a week, for a two-week period. The two tanks will be elliptical horizontal in shape and fabricated of 304 Stainless Steel single wall, to ASME pressure vessel code Section VIII, and rated for 25 psig. The tanks will also have pressure and vacuum relief valves. Each storage tank is designed such that all ammonia vapors are contained within 25^0 F to 110^0 F. Internal tank volume, pressure and temperature indication will be local upon the tank, with a high-level alarm notification to the control room, which is manned 24 hours a day / seven days a week.

Construction is scheduled to start about February 1st, 2001 for Unit 4 and about April 17th, 2001 for Unit 3. The plant is expecting to receive the first shipment of aqueous ammonia for the first tank about March 21st, 2001, and the first shipment for the second tank about May 15th, 2001. Unit 4 system is scheduled to go into service about March 26th, 2001 and Unit 3 about May 28th, 2001.

The station will be updating its County Business Plan and resubmitting for approval before the first load of aqueous ammonia is received.

If you have any questions concerning this letter or need additional information, please feel free to call me. Paul Lacroix at (909) 899-7253.

Paul Lacroix
Safety & Environmental Specialist
Edison O & M Services
Etiwanda Generating Station

Paul Lacroix
RELIANT ENERGY ETIWANDA, L.L.C.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739





Hazardous Materials Management
385 N. Arrowhead AVE.
San Bernardino, Calif.
92415-0160

COUNTY FIRE
HAZARDOUS MATER...
01 JAN -8 PM 3:40

92415+0160

RECEIVED
FEB 24 2000
BY:

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

CHANGE ☐

INACTIVATE FACILITY ☐ INACTIVATE PERMIT(S) ☒

BILL TO: E A O (Circle one) LOC/DIST NO:_____ EST NO: 86008879

(Former Est. Name (if applicable)

E – Establishment Information

Name: Etiwanda generating stn

Street No: 8996 Fraction:_____ Direction:_____

Street Name: Etiwanda Ave Apt/Ste/Unit No:_____

City: Rancho Cucamonga State: CA Zip Code: 91739

Attn:_____ Telephone: (_____)

A – Applicant Information

Name:_____

Street No:_____ Fraction:_____ Direction:_____

Street Name:_____ Apt/Ste/Unit No:_____

City:_____ State:_____ Zip Code:_____

Attn:_____ Telephone: (_____)

O – Owner Information

Name:_____

Street No:_____ Fraction:_____ Direction:_____

Street Name:_____ Apt/Ste/Unit No:_____

City:_____ State:_____ Zip Code:_____

Attn:_____ Telephone: (_____)

Program Information: MFR Number_____

Number of Employees:_____ Number of UST's:_____

Federal Tax I.D.Number/Social Security Number:

Permit Information: (Circle those that apply)

Change/Inactivate/Add: 222800 Permit No: 98052755350

Change/Inactivate/Add: 222801 ✓ Permit No: 98052755360

Change/Inactivate/Add:_____ Permit No:_____

Change/Inactivate/Add:_____ Permit No:_____

Change/Inactivate/Add:_____ Permit No:_____

Date Submitted: 2/22/00 Date Entered: 2/29/00

Submitted By: Julie Entered By: Dina Thomas

Comments/Remarks: pls inactivate permits, Hank removed on 1-13-00 by Jim Smith.

thank you ☺

11w

County of San Bernardino

FAS

PAYMENT VOUCHER

cc: CINDY HAZMAT COPY

Page 1 of 1

DOCUMENT ID: PV (TRANS) 106 (DEPT.) B3316TT (PV NUMBER)

☐ USE TAX

COMMENTS (12)

COMMENTS (96)
EST#86008879 (24)
PERMIT NO LONGER APPLIES (24)
REC#1585842 8/10/99 (24)
(24)

SCHEDULED PAY mm/dd/yy	CHECK CATG	SINGLE CK FLAG	VENDOR CODE (11)
			PERMITREFU

VENDOR NAME: RELIANT ENERGY
ADDRESS LINE #1: 8996 ETIWANDA AVE
ADDRESS LINE #2:
ADDRESS LINE #3: RANCHO CUCAMONGA (CITY (17)) CA (STATE (2)) 91739 (ZIP (9))

DOCUMENT TOTAL
$ 20.75

LINE NO	VENDOR INVOICE NUMBER (12)	FUND	DEPT	ORGANIZATION	APPR	OBJECT	REV SOURCE	GRC/PROJ/JOB NUMBER	I/D
01		SKX	106	155			9970	101REFUND	

DESCRIPTION (27): PERMIT NO LONGER APPLIES
AMOUNT: 20.75
TAXABLE AMOUNT:

LINE NO	VENDOR INVOICE NUMBER (12)	FUND	DEPT	ORGANIZATION	APPR	OBJECT	REV SOURCE	GRC/PROJ/JOB NUMBER	I/D
02									

DESCRIPTION (27):
AMOUNT:
TAXABLE AMOUNT:

LINE NO	VENDOR INVOICE NUMBER (12)	FUND	DEPT	ORGANIZATION	APPR	OBJECT	REV SOURCE	GRC/PROJ/JOB NUMBER	I/D

DESCRIPTION (27):
AMOUNT:
TAXABLE AMOUNT:

DESCRIPTION OF MATERIALS OR SERVICE:
DBA Etiwanda Generating Station

PURPOSE OF EXPENDITURES:
REFUND

I hereby certify upon my own personal knowledge that the articles or services specified herewith were necessary and were ordered by me for use by the department and for the purpose indicated above; that the items billed have been delivered or performed as per invoice except as otherwise indicated in "COMMENTS" above; that no part thereof has been previously paid.

PREPARED BY:
/s/ JENNY THOMPSON — 387-9603 (Phone No.) — 02/17/00 (Date)

DEPARTMENT HEAD:
/s/ Elizabeth A. Hurst — 2/17/00 (Date)

AUDITOR/CONTROLLER'S APPROVAL FOR PAYMENT: I hereby certify that I have examined the facts of the transaction herein set forth as evidenced by the information hereon and the documents attached hereto. All verifications, certifications, and checking of computations required by County Charter and Government Codes have been complied with and this claim in the total amount shown is hereby approved for payment.

COUNTY AUDITOR/CONTROLLER By _____ Date / /

08-18470-000 Rev 4/99 PC

EH013TP
SD015

EMS Permit Billing System
Fiscal Summary

02/16/00
09:39:46

Permit nbr . . 9806166431 CONDITIONAL EXEMPTION STA Balance: .00
Estab nbr . . 86008879 ETIWANDA GENERATING STA

Sel	Tran Date	Seq	Type	Amount	Amt Applied	Rev	Comment
	08/10/1999	001	200	41.50	.00	N	7/31/00 + DBL BL REFND 15
	06/29/1999	101	101	20.75	20.75	N	DBL BL REFUND 1585842
	06/29/1999	105	105	20.75	20.75	N	7/31/2000 1585842
	07/16/1998	001	200	41.50	.00	N	
	06/16/1998	001	101	20.75	20.75	N	FEE FOR 1996/97 FY
	06/16/1998	002	101	20.75	20.75	N	FEE FOR 1997/98 FY

F1=He
F15=P

Office SD Coffee — San Bernardino County — DUPLICATE

, Calif., 8-10 19 99 — 1585842

RECEIVED FROM Reliant Energy — $ 1615.50

One Thousand Six Hundred fifteen + 50/100 DOLLARS

Court _____ Case Name _____ vs. _____

NATURE OF FEES		
SKX106155941S	~~1597~~ 1556	~~50~~ —
NUH1061069990	10	—
MRJ1061069990	8	—
NUG-106-9990	20	75
SKX-106-9990 Ref	20	75
☐ CASH ☒ CHECK ☐ MONEY ORDER	1615	50

Case No. 86008879

Cindy Eckels
(SIGNATURE)

A/C
(TITLE)

01-188A-123 REV. 3-80

484

10-83

County of San Bernardino
FAS
REQUEST TO DRAW WARRANTS

COPY

cc: CINDY HAZMAT

DOCUMENT ID:		
PV	SPD	B3318TT
TRANS	DEPT.	PV NUMBER

On Trust Fund: STATE (Name of Trust Fund) Dept: COUNTY FIRE - CSA 70 (Originating Unit) NUG 106 106 (FUND DEPT ORGANIZATION)

NO.	AUDITOR'S DEPOSIT PERMIT NO.	VENDOR CODE	PAY TO: NAME, ADDRESS, CITY, STATE, ZIP (If for : Services, Rent or Interest-Insert Soc. Sec. No. or Federal Employer ID No.)	PURPOSES OF EXPLANATION	SUB REV	ACTIVITY	GRC/PROJ/JOB NO	$ AMOUNT
01		PERMITREFU	LUZ SOLAR PRINTERS 43880 HARPER LAKE RD HINKLEY, CA 92347	Receipt #1585294 7/21/99 refund Est. #90020356			CE	$ 20.75
02		PERMITREFU	RELIANT ENERGY 8996 ETIWANDA AVE RANCHO CUCAMONGA, CA 91739	Receipt #1585842 8/10/99 refund Est. #86008879 (Etiwanda Generating)			CE	$ 20.75
03		PERMITREFU	RAM FIBERGLASS 5236 FARADAY CT CHINO, CA 91710	Receipt #1586095 8/11/99 refund Est. #88015911			CE	$ 20.75
		PERMITREFU	SUNKIST GROWERS P.O. BOX 3720 ONTARIO, CA 91761	Receipt #1586101 8/9/99 refund Est. #/8003070			CE	$ 20.75

NOTES:

TOTAL $ 83.00

PREPARED BY: Jenny Thompson 02/17/00 .387-9603 (Phone No.)

AUTHORIZED BY: Elizabeth A. Hutton (Authorized Signature) 387-5959 (Phone No.) 2/17/00 (Date)

Examined and Approved: AUDITOR/CONTROLLER

By _____ Date _____

EH013TP
SD015

AQMD Permit Billing System
Fiscal Summary

02/16/00
09:39:46

Permit nbr . . 9806166431 CONDITIONAL EXEMPTION STA Balance: .00
Estab nbr . . 86008879 ETIWANDA GENERATING STA

Sel	Tran Date	Seq	Type	Amount	Amt Applied	Rev	Comment
	08/10/1999	001	200	41.50	.00	N	7/31/00 + DBL BL REFND 15
	06/29/1999	101	101	20.75	20.75	N	DBL BL REFUND 1585842
	06/29/1999	105	105	20.75	20.75	N	7/31/2000 1585842
	07/16/1998	001	200	41.50	.00	N	
	06/16/1998	001	101	20.75	20.75	N	FEE FOR 1996/97 FY
	06/16/1998	002	101	20.75	20.75	N	FEE FOR 1997/98 FY

F1=He
F15=P

Office SD Cofue — San Bernardino County — DUPLICATE 1585842

Calif., 8-10 19 99

RECEIVED FROM Reliant Energy $ 1615

One Thousand Six Hundred fifteen + 50/100 DOLLARS

Court — Case Name — vs.

NATURE OF FEES		
SKX106155941S	~~1514~~	~~50~~
NUH106106 9990	10	—
MRJ106106 9990	8	—
NUG-106-9990	20	75
SKX-106-9990 Ref	20	75
☐ CASH ☒ CHECK ☐ MONEY ORDER	1615	50

Case No. 86008879

(SIGNATURE)

(TITLE)

01-188A-123 REV. 3-80 — 10-83

484

EH013TP
SD015

AQMD Permit Billing System
Fiscal Summary

02/16/00
09:51:49

Permit nbr . . 9806106133 CONDITIONAL EXEMPTION STA Balance: .00
Estab nbr . . 90020356 SEGS VIII & IX

Sel	Tran Date	Seq	Type	Amount	Amt Applied	Rev	Comment
	07/21/1999	001	200	41.50	.00	N	7/31/2000 1585291
	06/29/1999	101	101	20.75	20.75	N	DBL BILLING TO REFUND
	06/29/1999	105	105	20.75	20.75	N	99/2000 FEE
	07/29/1998	001	200	41.50	.00	N	
	06/10/1998	001	101	20.75	20.75	N	FEE FOR 1996/97 FY
	06/10/1998	002	101	20.75	20.75	N	FEE FOR 1997/98 FY

F1=Help
F15=Pri

Office SB Cofue — San Bernardino County — DUPLICATE 1585291

Calif., 7-21 19 99 — $ 819.75

RECEIVED FROM Dry Solar

Eight Hundred Nineteen + 75/100 — DOLLARS

Court 101-Refund — Case Name — vs.

NATURE OF FEES		
SKX-106-155995	20.	75
SKX106-155995	736	25
NUH 106106 9990 Cash	10	00
NRJ 106106 9990 visit	32	00
NUJ 106106 9990 CC	20	75
CASH ☒ CHECK ☐ MONEY ORDER	819	75

Case No. 90020356

Cindy Echs
(SIGNATURE)

A/C II
(TITLE)

01-188A-123 REV. 3-80 085

10-83

835

EH013TP
SD015

Permit Billing System
Fiscal Summary

02/16/00
10:04:56

Permit nbr . . 9806116288 CONDITIONAL EXEMPTION STA Balance: .00
Estab nbr . . 85003070 SUNKIST GROWERS INC

Sel	Tran Date	Seq	Type	Amount	Amt Applied	Rev	Comment
	08/09/1999	001	200	20.75	.00	N	7/31/2000 1586101
	06/29/1999	105	105	20.75	20.75	N	
	07/28/1998	001	200	41.50	.00	N	
	06/11/1998	001	101	20.75	20.75	N	FEE FOR 1996/97 FY
	06/11/1998	002	101	20.75	.00	N	FEE FOR 1997/98 FY

F1=
F15

1586101

Office SB Cofie — San Bernardino County — TRIPLICATE

, Calif., 8-9 19 99 — 1586101

RECEIVED FROM Sunkist Growers $ 3373.75

Three Thousand Three hundred Seventy three + 75/100 DOLLARS

Court _____ Case Name _____ vs. _____

NATURE OF FEES		
FKX106155911S	3238	00
AUH106106999J	10	-
AUK106106999J	105	-
AUL106106999J CE	20	75
☐ CASH ☒ CHECK ☐ MONEY ORDER	3373	75

Case No. 85003070

Cindy Eads
(SIGNATURE)

A/C Tech
(TITLE)

852

01-188A-123 REV. 3-80

10-83

EH013TP
SD015

Permit Billing System
Fiscal Summary

02/16/00
10:01:24

Permit nbr . . 9806106126 CONDITIONAL EXEMPTION STA Balance: .00
Estab nbr . . 88015911 RAM FIBERGLASS INC

Sel	Tran Date	Seq	Type	Amount	Amt Applied	Rev	Comment
	08/11/1999	001	200	20.75	.00	N	7/31/2000 1586095
	08/10/1999	001	301	20.75	.00	N	DELETE SYSTEM DOUBLE BILL
	06/29/1999	101	101	20.75	.00	Y	
	06/29/1999	105	105	20.75	20.75	N	
	07/08/1998	001	200	41.50	.00	N	
	06/10/1998	001	101	20.75	20.75	N	FEE FOR 1996/97 FY
	06/10/1998	002	101	20.75	20.75	N	FEE FOR 1997/98 FY

F1=Help
F15=Prmt

Office SB Cotnty — San Bernardino County — DUPLICATE

Calif., 8-11 19 99 — 1586095

RECEIVED FROM Ram fiberglass — $ 849.74

Eight hundred forty nine + 74/100 — DOLLARS

Court _____ Case Name _____ vs. _____

NATURE OF FEES		
SKC/106/15+9415	818	99
WHH/106/06990	10	—
WHH/106/06990 CR	20	75
21869		
☐ CASH ☒ CHECK ☐ MONEY ORDER	849	74

Case No. 88 015911

Cindy Eckel
(SIGNATURE)

AR II
(TITLE)

01-188A-123 REV. 3-80

851

10-83

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CU...
HAZARDOUS MATERIALS DIVISION
FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 NORTH ARROWHEAD AVENUE, SECOND FLOOR
SAN BERNARDINO, CA 92415-0153

LOG # 010300-02 JOB CARD Nº 6319

INSTALL _____ REMOVE 1

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Etiwanda Operating Sta
Address 8996 Etiwanda Ave, Rancho Cucamonga
Contractor CPEI
Address/Phone 1718 N Shirk Rd, Visalia (559) 799-2464

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X		
	Required Samples: 8020, 8015, MTBE, 418.1	[signature]	1/13/06
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS.

FOR INSPECTION CALL 48 HOURS IN ADVANCE AT (909) 387- 3082

THIS PERMIT EXPIRES DECEMBER 22, 1998

☑ PETROLEUM GAS ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 4/98

DISTRIBUTION: White — County Fire Department
Green — Contractor/Owner

I BERNARDINO COUNTY FIRE DEPARTMEN
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 NORTH ARROWHEAD AVE., 2ND FLOOR, SAN BERNARDINO, CA 92415-0153
(909) 387-3082 • FAX (909) 387-4323

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ _____ First Tank

$ _____ Each Additional Tank Number of Tanks this Application _____

JOB LOCATION

Facility Name	Contact Person	Phone No.
SOUTHERN CALIF EDISON	BC CARMINE	909-945-7503
Situs Address	**City**	**Zip Code**
8996 ETIWANDA AVE	RANCHO CUCAMONGA	91739

Water/Sewer Agency Fire

PROPERTY OWNER

Name	Phone No.
MOUNTAIN VISTA POWER	713-945-7503
Mailing Address	**City**	**Zip Code**
1111 LOUSANA 16TH FL.	HOUSTON, TX.	77002
Owner's Representative	**Phone No.**
LAURA BOX	714-402-6251

TANK CONTENTS

GASOLINE

CONTRACTOR

Company Name	Contact Person	Phone No.
CPEI	JOHN MOORE	559-799-2464
Mailing Address	**City**	**Zip Code**
1718 N. SHIRK RD	VISALIA	93291
Workman's Comp Insurance Carrier	**Policy No.**	
GOLDEN EAGLE	MWC 282800	
State Contractor's License No.	**Types of Licenses**	**Expiration Date**
719892	A-B-HAZ	3/00

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name Clearly	Phone
LAURA D. BOX	714-402-6251
Signature	**Date**
Laura D. Box	1-3-00

OFFICE USE ONLY

Under Permit ☐ No ☑ Yes 86008879 Establishment Number

Number of Tanks: 1

Fees Current ☐ No

☑ Yes Delinquent Amount Expiration Date: 7/31/2000

$450.00 Permit Fee Paid THIS Application 1584302 Receipt Number

Check Number: Cash

Date Paid: 1/03/2000

Taken by: Pat

Log Number: 010300-02 Job Card Number: 6319

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • (909)387-3080 FAX (909) 387-4323

UNDERGROUND STORAGE TANKS - TANK PAGE 1

TYPE OF ACTION (Check one item only)
☐ 1. NEW SITE PERMIT ☐ 4. AMENDED PERMIT ☐ 5. CHANGE OF INFORMATION ☐ 6. TEMPORARY SITE CLOSURE
☐ 3. RENEWAL PERMIT ☒ 7. PERMANENTLY CLOSED ON SITE
(Specify reason - for local use only) (Specify change - for local use only) ☐ 8. TANK REMOVED 430

FACILITY ID # 3 6 0 0 1 1 BUSINESS NAME (Same as FACILITY NAME or DBA) Southern Valley Edesa 3

BUSINESS ADDRESS | CITY | ZIP CODE

LOCATION WITHIN SITE (Optional) 8996 Edison Ave Rancho Cucamonga 431

I. TANK DESCRIPTION

(A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK ☐ Yes ☐ No 434
UNK	UNK	If "Yes", complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
	2000	1

ADDITIONAL DESCRIPTION 438

II. TANK CONTENTS

TANK USE 439
☒ 1. MOTOR VEHICLE FUEL (If marked, complete Petroleum Type)
☐ 2. NON-FUEL PETROLEUM
☐ 3. CHEMICAL PRODUCT
☐ 4. HAZARDOUS WASTE (Includes Used Oil)
☐ 95. UNKNOWN

PETROLEUM TYPE 440
☒ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☐ 3. DIESEL ☐ 6. AVIATION FUEL
☐ 1c. MID-GRADE UNLEADED ☐ 4. GASOHOL ☐ 99. OTHER

COMMON NAME (from Hazardous Materials Inventory page) 441 | CAS # (from Hazardous Materials Inventory page) 442

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) 443
☐ 1. SINGLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM
☒ 2. DOUBLE WALL ☐ 4. SINGLE WALL IN A VAULT ☐ 95. UNKNOWN ☐ 99. OTHER

TANK MATERIAL - primary tank (Check one item only) 444
☒ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☐ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPATIBLE W/100% METHANOL ☐ 99. OTHER

TANK MATERIAL - secondary tank (Check one item only) 445
☐ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 8. FRP COMPATIBLE W/100% METHANOL ☒ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 9. FRP NON-CORRODIBLE JACKET ☐ 99. OTHER
☐ 5. CONCRETE ☐ 10. COATED STEEL

TANK INTERIOR LINING OR COATING (Check one item only) 446 DATE INSTALLED 447
☐ 1. RUBBER LINED ☐ 3. EPOXY LINING ☐ 5. GLASS LINING ☒ 95. UNKNOWN
☐ 2. ALKYD LINING ☐ 4. PHENOLIC LINING ☐ 6. UNLINED ☐ 99. OTHER (For local use only)

OTHER CORROSION PROTECTION IF APPLICABLE (Check all that apply) 448 DATE INSTALLED 449
☐ 1. MANUFACTURED CATHODIC PROTECTION ☐ 3. FIBERGLASS REINFORCED PLASTIC ☒ 95. UNKNOWN
☐ 2. SACRIFICIAL ANODE ☐ 4. IMPRESSED CURRENT ☐ 99. OTHER (For local use only)

SPILL AND OVERFILL (Check all that apply)

	YEAR INSTALLED 450	TYPE (For local use only) 451
☐ 1. SPILL CONTAINMENT		
☐ 2. DROP TUBE		
☐ 3. STRIKER PLATE		

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452
☐ 1. ALARM ☐ 3. FILL TUBE SHUT OFF VALVE
☐ 2. BALL FLOAT ☐ 4. EXEMPT

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency)

IF SINGLE WALL TANK (Check all that apply): 453
☐ 1. VISUAL (EXPOSED PORTION ONLY)
☐ 2. AUTOMATIC TANK GAUGING (ATG)
☐ 3. CONTINUOUS ATG
☐ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
☐ 5. MANUAL TANK GAUGING (MTG)
☐ 6. VADOSE ZONE
☐ 7. GROUNDWATER
☐ 8. TANK TESTING
☐ 99. OTHER

IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only): 454
☐ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
☐ 2. CONTINUOUS INTERSTITIAL MONITORING
☐ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YY/MM/DD) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
6-99	-0- gallons	☒ Yes ☐ No

Instructions for Completing the Underground Storage Tank - Tank Page 1

GENERAL INFORMATION

- This form was formerly known as SWRCB Form B
- One form must be completed for EACH Underground Storage Tank (UST). For compartmentalized tanks, each compartment is considered a separate tank and requires completion of separate tank pages.
- A monitoring plan must be submitted with your UST pages.

DEFINITIONS

The following definitions of specific terms from CCR Title 23 and CHSC §25281 are included to assist you in completing this form:

- "Owner " means the owner of an underground storage tank. This is often the property owner.
- "Operator" means any person in control of, or having daily responsibility for, the daily operation of an underground storage tank system.

FORM INSTRUCTIONS

Check the box that indicates the reason for submittal.

INSTRUCTIONS

Facility /Site Information

1. Enter your Facility ID Number, if known. Otherwise, leave blank. This number is assigned by the CUPA and is the last 6 digits of the facility's establishment number (which appears on the CUPA permit.)

3. Enter the name of the business, as it appears on the Business Activities Form.

. Enter the physical address (no PO Boxes) for the site as it appears on the Business Activities Form. It should be the same address as the location address on business emergency/contingency plan.

431. Indicate where the UST is located within the site if the UST is not in an immediately obvious location.

432. Enter any additional description or information regarding the UST that may further identify it.

I. Tank Description

432. Enter the identification number of the UST as assigned by the owner. This ID number must correspond to the ID number listed in your Business Emergency / Contingency Plan.

433. Enter the name of the company that made the UST.

434. Indicate whether the UST is compartmentalized or a "split-tank". Each compartment is considered a separate UST. If "YES", submit a separate tank form for each compartment.

435. Indicate the date that the UST was installed.

436. Indicate the fluid capacity of the UST in gallons.

437. Indicate the number of compartments. There must be a separate tank form for each compartment.

II. Tank Contents

439. Check the box that best describes the stored substance.

440. Only if you checked box 1 in item 439. Check the box that best describes the type of petroleum product stored in the UST.

441. Only if you checked a box other than 1 in item 439 - Enter the common chemical name of the substance stored in the UST.

442. Only if you checked a box other than 1 in item 439 - Enter the Chemical Abstract Service (CAS) number for the substance stored in the UST. You may find the CAS number listed in the Material Safety Data Sheet provided by your supplier.

III. Tank Construction

443. Check the box that best describes the type of UST construction.

444. Check the box that best describes the material that the primary (inner) UST is made of.

445. Check the box that best describes the material that the secondary (outer) UST is made of.

446. Check the box that best describes the material used to line the primary (inner) UST, if applicable.

448. Check ALL the boxes that best describe the corrosion protection installed on your UST.

450.- 451. Check ALL the boxes that describe the spill protection installed on your UST and enter the type of protection and date installed.

452. Check ALL the boxes that describe the overfill protection installed on your UST and enter the date installed.

IV. Tank Leak Detection

453. For ***SINGLE WALL USTs ONLY*** - Check ALL the boxes that describe the leak detection used or installed on your UST.

454. For ***DOUBLE WALL USTs ONLY*** - Check ALL the boxes that describe the leak detection used or installed on your UST.

V. Tank Closure Information

455. Enter the date that the UST was last used.

456. Enter the estimated quantity of hazardous materials left in the tank.

457. Indicate whether the UST was filled with an inert material at the time of closure in place.

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • (909)387-3080 FAX (909) 387-4323

UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION *(Check all that apply)*

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	☐ 1. PRESSURE ☒ 2. SUCTION ☐ 3. GRAVITY 458	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY 459
CONSTRUCTION/ MANUFACTURER	☐ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 99. OTHER 460 ☒ 2. DOUBLE WALL ☐ 95. UNKNOWN MANUFACTURER 461	☐ 1. SINGLE WALL ☐ 95. UNKNOWN 462 ☐ 2. DOUBLE WALL ☐ 99. OTHER MANUFACTURER 463
MATERIALS AND CORROSION PROTECTION *(check all that apply)*	☒ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 95. UNKNOWN ☐ 4. FIBERGLASS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 5. STEEL W/ COATING ☐ 9. CATHODIC PROTECTION 464	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION ☐ 5. STEEL W/ COATING ☐ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION *(Check all that apply)(a description of the monitoring program shall be submitted to the local agency.)*

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING *(Check all that apply)*:

- ☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUTOFF FOR LEAK, SYSTEM FAILURE AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS
- ☐ 2. MONTHLY 0.2 GPH TEST
- ☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS:

- ☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

- ☐ 7. SELF MONITORING

GRAVITY FLOW:

- ☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

- ☐ 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c. NO AUTO PUMP SHUT OFF
- ☐ 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION
- ☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

- ☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*:

- ☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUTOFF + AUDIBLE AND VISUAL ALARMS
- ☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION
- ☐ 16. ANNUAL INTEGRITY TEST
- ☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING *(Check all that apply)*:

- ☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUTOFF FOR LEAK, SYSTEM FAILURE AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS
- ☐ 2. MONTHLY 0.2 GPH TEST
- ☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS:

- ☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM
- ☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

- ☐ 7. SELF MONITORING

GRAVITY FLOW:

- ☐ 8. DAILY VISUAL MONITORING
- ☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

- ☐ 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c. NO AUTO PUMP SHUT OFF
- ☐ 11. AUTOMATIC LEAK
- ☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

- ☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*:

- ☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUTOFF + AUDIBLE AND VISUAL ALARMS
- ☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST
- ☐ 16. ANNUAL INTEGRITY TEST
- ☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT DATE INSTALLED 468: UNK

- ☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE
- ☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS
- ☐ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS
- ☐ 4. DAILY VISUAL CHECK
- ☐ 5. TRENCH LINER / MONITORING
- ☐ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR: By Edelson Laura A Boyd	DATE 470: 1-3-00
NAME OF OWNER/OPERATOR *(print)* 471	TITLE OF OWNER/OPERATOR 472: Owners Agent

Instructions for Completing the Underground Storage Tank - Tank Page 2

GENERAL INFORMATION

This form was formerly known as SWRCB Form B
One form must be completed for EACH Underground Storage Tank (UST).
A monitoring plan must be submitted with your UST pages.

DEFINITIONS

The following definitions of specific terms from CCR Title 23 and CHSC §25281 are included to assist you in completing this form:

- "Owner " means the owner of an underground storage tank. This is often the property owner.
- "Operator" means any person in control of, or having daily responsibility for, the daily operation of an underground storage tank system.

INSTRUCTIONS

VI. Piping Construction

458. Check the box that best describes the type of the underground piping system connected to your UST system.
459. Check the box that best describes the type of the aboveground piping system connected to your UST system.
460. Check the boxes that best describe the construction of the underground piping system.
461. Indicate the manufacturer of the underground piping system.
462. Check the boxes that best describe the construction of the aboveground piping system.
463. Indicate the manufacturer of the aboveground piping system.
464. Check the boxes that best describe the piping material and corrosion protection of the underground piping system.
465. Check the boxes that best describe the piping material and corrosion protection of the aboveground piping system.

VII. Piping Leak Detection

466. For #1-9 check all boxes that best describe the leak detection methods for *single-wall underground* piping system ***only.***
For #10-13 check all boxes that best describe the leak detection methods for *double-wall underground* piping system ***only.***
For #14-17 check all boxes that best describe the leak detection methods for *emergency generator underground* piping, if any.
467. For #1-9 check all boxes that best describe the leak detection methods for *single-wall aboveground* piping system ***only.***
For #10-13 check all boxes that best describe the leak detection methods for *double-wall aboveground* piping system ***only.***
For #14-17 check all boxes that best describe the leak detection methods for *emergency generator aboveground* piping, if any.

VIII. Dispenser Containment

468. Enter the date that under-dispenser containment was installed.
469. Check the box that best describes the type of monitoring / automatic shut off installed in the under-dispenser containment.

IX. Owner / Operator Signature

Read the certification statement, provide the owner/operator information, date and sign when the form is completed

IF YOU HAVE ANY QUESTIONS CONTACT YOU DISTRICT INSPECTOR AT (909) 387-3080

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION

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UNDERGROUND STORAGE TANKS - FACILITY

TYPE OF ACTION (Check one item only) ☐ 1. NEW SITE PERMIT ☐ 3. RENEWAL PERMIT ☐ 4. AMENDED PERMIT ☐ 5. CHANGE OF INFORMATION (Specify change - local use only)_____ ☐ 6. TEMPORARY SITE CLOSURE ☒ 7. PERMANENTLY CLOSED SITE ☐ 8. TANK REMOVED 400

I. FACILITY / SITE INFORMATION

FACILITY ID # 3 6 0 0 1 1

SITE NAME (Same as FACILITY NAME or DBA) Southern Cal Edison 3

BUSINESS ADDRESS 8996 Etiwanda

CITY Rancho Cucamonga

ZIP CODE 91739

NEAREST CROSS STREET 8996 Etiwanda 401

BUSINESS TYPE ☐ 1. GAS STATION ☐ 2. DISTRIBUTOR ☐ 3. FARM ☐ 4. PROCESSOR ☐ 5. COMMERCIAL ☒ OTHER 403

FACILITY OWNER TYPE ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY/DISTRICT* ☐ 5. COUNTY AGENCY* ☐ 6. STATE AGENCY* ☐ 7. FEDERAL AGENCY* 402

TOTAL NUMBER OF TANKS ON SITE 1 404

Is facility on Indian Reservation or trustlands? ☐ Yes ☒ No 405

*If owner of UST is a public agency: name of supervisor of division, section or office which operates the UST. (This is the contact person for the tank records) 406

II. TANK OPERATOR INFORMATION

TANK OPERATOR NAME Southern Cal Edison 407

PHONE 909- 408

MAILING OR STREET ADDRESS 8996 Etiwanda 409

CITY Rancho Cucamonga 410

STATE CA 411

ZIP CODE 91739 412

TANK OPERATOR TYPE ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 7. STATE AGENCY ☐ 8. FEDERAL AGENCY 413

III. TANK OWNER INFORMATION

TANK OWNER NAME Mountain Vista Power 414

PHONE 713-945-7503 415

MAILING OR STREET ADDRESS 1111 Lamisara 16th Floor 416

CITY Houston 417

STATE TX 418

ZIP CODE 77002 419

TANK OWNER TYPE ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 7. STATE AGENCY ☐ 8. FEDERAL AGENCY 420

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 4 4 - Call (916) 322 - 9669 if questions arise 421

V. PETROLEUM UST FINANCIAL RESPONSIBILITY

INDICATE METHOD(S) ☐ 1. SELF-INSURED ☐ 2. GUARANTEE ☒ 3. INSURANCE ☐ 4. SURETY BOND ☐ 5. LETTER OF CREDIT ☐ 6. EXEMPTION ☐ 7. STATE FUND ☐ 8. STATE FUND & CFO LETTER ☐ 9. STATE FUND & CD ☐ 10. LOCAL GOV'T MECHANISM ☐ 99. OTHER:_____ 422

VI. LEGAL NOTIFICATION AND MAILING ADDRESS

Check one box to indicate which address should be used for legal notifications and mailing. Legal notifications and mailings will be sent to the tank owner ONLY, unless box 1 or 2 is checked. ☐ 1. FACILITY ☐ 2. PROPERTY OWNER ☐ 3. TANK OWNER 423

VII. APPLICANT SIGNATURE

Certification: I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT Laura D Box

DATE 1-3-00 424

PHONE 714-402-6251 425

NAME OF APPLICANT (print) LAURA D. Box 426

TITLE OF APPLICANT Owners Agent 427

STATE UST FACILITY NUMBER (For local use only) 428

1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429

Instructions for Completing the Underground Storage Tank - Facility Form

GENERAL INFORMATION

This form was formerly known as SWRCB Form A.

Complete the UST - Facility page for all new permits, permit changes or any facility information changes. This page must be submitted within 30 days of permit or facility information changes, unless approval is required before making any changes. Submit one UST - Facility page per facility, regardless of the number of tanks located at the site.

As part of the application, the tank owner must submit a scaled facility plot plan to the local agency showing the location of the USTs with respect to buildings and landmarks, a description of the tank and piping leak detection monitoring program, and, for tanks containing petroleum, documentation showing compliance with state financial responsibility requirements.

FORM INSTRUCTIONS

Check the box that indicates the reason for submittal. Only one form per facility is required.

INSTRUCTIONS

I. Facility /Site Information

1. Enter your Facility ID Number, if known. Otherwise, leave blank. This number is assigned by the CUPA and is the last 6 digits of the facility's establishment number (which appears on the CUPA permit.)
3. Enter the name of the business, as it appears on the Business Activities Form.
. Enter the physical address (no PO Boxes) for the site as it appears on the Business Activities Form. It should be the same address as the location address on business emergency/contingency plan.
401. Enter the nearest cross street (including Suffix - Ave., Ln., St., etc.) The cross street must be one that appears in a Thomas Guide.
402. Check the box that most closely describes the facility owner. NOTE: if the facility owner is a government agency you must enter the name of the agency point of contact in item 406.
403. Check the box that best describes the type of facility at which the UST(s) are located.
404. Enter the number of USTs on site. Do NOT include above ground storage tanks.
405. If the facility or site is located on an Indian Reservation or Indian Trust Lands check the "YES" box.

II. Property Owner Identification

407. Enter the name of the legal owner of the property. If there are more than one property owner, enter the primary owner and list all additional owners on a separate sheet of paper and attach it to this form.
408. Enter the phone number where the primary property owner can be contacted.
409 - 412. Enter the mailing address for the primary property owner. If there are more than one property owner, list all additional owner addresses on a separate sheet of paper and attach it to this form.
413. Check the box that best describes the property owner.

III. Tank Owner Information

414. Enter the name of the UST owner. The UST owner is the person or entity that legally owns the UST system, not necessarily the person or entity that operates the UST system.
415. Enter the phone number where the UST system owner can be contacted.
416 - 419. Enter the mailing address for the UST owner.
420. Check the box that best describes the UST owner.

IV. Board of Equalization UST Storage Fee Account Number

This is the number that the State Board of Equalization (BOE) assigns you in order to assess the fuel you have in your UST(s). You are required to have this number prior to submitting your application. If you do not have a BOE number or if you have any questions regarding the fee or exemptions call BOE at (916) 323-9555.

V. Petroleum UST Financial Responsibility

Check the box with best identifies the mechanism used by the UST owner and/or operator to meet the Federal and State financial responsibility requirements. USTs owned by federal and state agencies and non-petroluem USTs are exempt from this requirement.

VI. Legal Notification and Mailing Address

Check the box(es) that indicates where you want any legal notifications and mailings to be sent.

IF YOU HAVE ANY QUESTIONS CONTACT YOU DISTRICT INSPECTOR AT (909) 387-3080

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL℠ Company

COUNTY FIRE
HAZARDOUS MATERIALS
98 JUN -8 PM 2:13

June 4, 1998

Ms. Kathleen Alvarez
San Bernardino County Fire Department
Hazardous Materials Division
385 N. Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415-0153

VIA FAX

SUBJECT: BILLING/ OWNERSHIP ADDRESSES FOR DIVESTED EDISON POWER PLANTS

Ms. Alvarez:

In order to clarify the billing and ownership questions regarding the addresses of the divested and retained properties in San Bernardino County, below is a table of the former Edison sites and establishment numbers and the new owner and billing addresses:

OLD SCE NAME	NEW OWNER - REFLECTED ON PERMIT	NEW BILLING/ MAILING ADDRESS
Southern California Edison Co. Etiwanda Generating Station 8996 Etwianda Ave. Etiwanda, CA 91739 Est. No. 86008879	Houston Industries, Inc. Mountain Vista Power Generation, LLC 8996 Etiwanda Ave. Etiwanda, CA 91739 not right	Mountain Vista Power Generation, LLC 8996 Etiwanda Ave. Etiwanda, CA 91739 Attn: Paul Lacroix
Southern California Edison Co. Cool Water Generating Station 37000 Santa Fe St. Daggett, CA 92327 Est. No. 87014400	Houston Industries, Inc. Alta Power, LLC 37000 Santa Fe St. Daggett, CA 92327 almost right	Houston Industries, Inc. Alta Power, LLC 37000 Santa Fe St. Daggett, CA 92327 Attn: Gene Gordon
Southern California Edison Co. San Bernardino Generating Station 25770 San Bernardino Ave. San Bernardino, CA 92408 Est. No. 86009286	Thermo Ecotek Mountain View Power Co. 25770 San Bernardino Ave. San Bernardino, CA 92408 almost right	Thermo Ecotek 245 Winter St., Suite 300 Waltham, MA 02154 Attn: Paul Doherty
Southern California Edison Co. Highgrove Generating Station 12700 Taylor St. Colton, CA 92324 Est. No. 86009722	Thermo Ecotek Riverside Canal Power Co., Inc. 12700 Taylor St. Colton, CA 92324 almost right	Thermo Ecotek 245 Winter St., Suite 300 Waltham, MA 02154 Attn: Paul Doherty

85004389

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

In addition, with the approval of DTSC, Edison has retained the current US EPA ID numbers as noted in the business emergency plans. These numbers will now be applied the retained portions being managed by Edison Pipeline & Terminal Company (EPTC). Edison will also continue use the existing BOE number provided by the state for both the EPTC and T&D retained properties.

Thank you for your attention to this matter. All responsible parties at Edison and the generating stations are aware of the changes I am requesting. If you have any further questions, please do not hesitate to contact me at 626-302-2153.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
ENVIRONMENTAL AFFAIRS

cc: Mr. Paul Doherty, Thermo Ecotek
Mr. Wayne Williams, San Bernardino County Fire Department
Ms. Pat McCaslin, San Bernardino County Fire Department

SOUTHERN CALIFORNIA
EDISON
An *EDISON INTERNATIONAL*™ Company

P. O. Box 800
Rosemead, CA 91770

(FORM ED 86-A 1/98)

COUNTY FIRE
HAZARDOUS MATERIALS

98 JUN -8 PM 2:13

ROSEMEAD CA JUN 05'98 PB METER 7019939 $00.32 U.S. POSTAGE

Ms. Pat McCaslin
San Bernardino County Fire Department
Hazardous Materials Division
385 N. Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415-0153

92415-0153

EH011TP HS Permit Billing System 06/08/98
EH005 Establishment Summary 15:33:54

Estab . . 86008879 Established: 02/28/1986
Status . . :
ALTA POWER GEN,L.L.C ETIW Location . : 72
8996 ETIWANDA Parcel . . : 0229283820000
ETIWANDA, CA 91739 Inactive . :
Federal id :

Bill to: E Attn:
Contact: Drvr lic: Exp: State:

Applicant: ALTA POWER GEN,L.L.C-ETIW
8996 ETIWANDA AVE
ETIWANDA, CA 91739
Owner: ALTA POWER GENERATION,LLC
8996 ETIWANDA AVE
ETIWANDA, CA 91739

Comment: PER BLUE-CHANGE OWNERSHIP: WAYNE W

F1=Help F3=Exit F5=Refresh
F13=EstbUpd F14=AddrUpd F17=PrmtInq F21=Srch F23=Print

EH012TP HS Permit Billing System 06/08/98
EH005 Permit Summary 15:34:34

Estab . . 86008879 ALTA POWER GEN,L.L.C ETIW

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9504181533	226200	04/30/1995		0200	.00	I	0
	Last bill: 04/28/1995 Last delq:					Delq cnt: 0		
	9709099803	227001	07/31/1997		0200	18.50		0
	Last bill: 04/28/1998 Last delq:					Delq cnt: 0		
	9805275535	222800	07/31/1997		0200	86.67		1
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		
	9805275536	222801	07/31/1997		0200	8.00		1
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH012TP HS Permit Billing System 06/08/98
EH005 Permit Summary 15:34:47

Estab . . 87014400 ALTA POWER GEN,LLC-COOLWT

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9709091251	227001	09/30/1998		1100	.00	I	0
	Last bill:		Last delq:			Delq cnt: 0		
	9805275539	222800	07/31/1997		1100	415.67		8
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	9805275540	222801	07/31/1997		1100	72.00		8
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	9805275541	226004	07/31/1997		1100	69.33		89
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH012TP HS Permit Billing System 06/08/98
EH005 Permit Summary 15:34:52

Estab . . 87014400 ALTA POWER GEN,LLC-COOLWT

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9805275542	228703	07/31/1997		1100	308.67		89
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	9805275543	227001	07/31/1997		1100	18.50		0
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	Last bill:		Last delq:			Delq cnt:		
	Last bill:		Last delq:			Delq cnt:		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH011TP HS Permit Billing System 06/08/98
EH005 Establishment Summary 15:34:58

Estab . . 87014400 Established: 08/14/1987
Status . . :
ALTA POWER GEN,LLC-COOLWT Location . : 71
37000 SANTA FE RD Parcel . . :
DAGGETT, CA 92327 (760) 254-2921 Inactive . :
Federal id :

Bill to: E Attn:
Contact: Drvr lic: Exp: State:

Applicant: ALTA POWER GEN, LLC
37000 E SANTA FE ST
DAGGETT, CA 92327
Owner: ALTA POWER GEN, LLC
37000 E SANTA FE
DAGGETT, CA 92327

Comment: PER BLUE-CHANGE OWNERSHIP: WAYNE W

F1=Help F3=Exit F5=Refresh
F13=EstbUpd F14=AddrUpd F17=PrmtInq F21=Srch F23=Print

EH011TP HS Permit Billing System 06/08/98
EH005 Establishment Summary 15:35:27

Estab . . 86009286 Established: 03/05/1986
Status . . :
MOUNTAINVIEW POWER CO Location . : 64
25770 SAN BERNARDINO AVE Parcel . . : 29202116,18
SAN BERNARDINO, CA 92408 (909) 796-9557 Inactive . :
Federal id :

Bill to: E Attn:
Contact: Drvr lic: Exp: State:

Applicant: MOUNTAINVIEW POWER CO
25770 SAN BERNARDINO AVE
SAN BERNARDINO, CA 92408
Owner: MOUNTAINVIEW POWER CO
245 WINTER ST #300
WALTHAM, MA 02154 (781) 370-1500

Comment: PER BLUE-CHANGE OWNERSHIP: WAYNE WILLIAMS

F1=Help F3=Exit F5=Refresh
F13=EstbUpd F14=AddrUpd F17=PrmtInq F21=Srch F23=Print

EH012TP HS Permit Billing System 06/08/98
EH005 Permit Summary 15:35:39

Estab . . 86009286 MOUNTAINVIEW POWER CO

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9504181713	226200	04/30/1995		0700	.00	I	0
	Last bill: 04/28/1995 Last delq:					Delq cnt: 0		
	9709090031	227001	07/31/1997		0700	.00	I	0
	Last bill: 03/27/1998 Last delq:					Delq cnt: 0		
	9805275518	222800	07/31/1997		0700	274.67		5
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		
	9805275519	222801	07/31/1997		0700	40.00		5
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH012TP HS Permit Billing System 06/08/98
EH005 Permit Summary 15:36:14

Estab . . 86009286 MOUNTAINVIEW POWER CO

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9805275520	226003	07/31/1997		0700	59.00		47
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	9805275521	228702	07/31/1997		0700	236.00		47
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	9805275522	226200	07/31/1998		0700	.00		0
	Last bill:		Last delq:			Delq cnt: 0		
	9805275523	227001	07/31/1997		0700	18.50		0
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH011TP HS Permit Billing System 06/08/98
EH005 Establishment Summary 15:36:40

Estab . . 86009722 Established: 03/07/1986
Status . . : IN
SCE-HIGHGROVE Location . : 54
12700 TAYLOR Parcel . . : 0277071040000
COLTON, CA 92324 (909) 825-3414 Inactive . : 05/27/1998
Federal id :

Bill to: O Attn:
Contact: RICHARD DARNELL Drvr lic: Exp: State:

Applicant: SCE/SAN BDNO GENERATING
25770 SAN BERNARDINO AVE
SAN BERNARDINO, CA 92408 (909) 796-9557
Owner: SCE/ENVIRONMENTAL AFFAIRS
2244 P.O. BOX 800 #RM405
ROSEMEAD, CA 91770 (818) 302-1646

Comment: PER BLUE-CHANGE OF OWNERSHIP/COMBINE W-85004389: WAYNE W

F1=Help F3=Exit F5=Refresh
F13=EstbUpd F14=AddrUpd F17=PrmtInq F21=Srch F23=Print

EH012TP HS Permit Billing System 06/08/98
EH005 Permit Summary 15:36:56

Estab . . 86009722 SCE-HIGHGROVE

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	8603110071	222800	05/31/1998		0800	.00	I	7
	Last bill: 04/28/1998		Last delq:			Delq cnt: 0		
	8702261557	222801	05/31/2001		0800	.00	I	7
	Last bill:		Last delq:			Delq cnt: 0		
	9709090238	227001	05/31/1998		0800	.00	I	0
	Last bill: 04/28/1998		Last delq:			Delq cnt: 0		
	Last bill:		Last delq:			Delq cnt:		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH011TP HS Permit Billing System 06/08/98
EH005 Establishment Summary 15:37:25

Estab . . 85004389 Established: 10/09/1985
Status . . :
RIVERSIDE CANAL POWER CO Location . : 56
12700 TAYLOR ST Parcel . . :
GRAND TERRACE, CA 92313-5828 (909) 825-3414 Inactive . :
Federal id :

Bill to: E Attn:
Contact: Drvr lic: Exp: State:

Applicant: RIVERSIDE CANAL POWER CO
12700 TAYLOR ST
GRAND TERRACE, CA 92313-5828
Owner: RIVERSIDE CANAL POWER CO
245 WINTER ST #300
WALTHAM, MA 02154 (781) 370-1500

Comment: PER BLUE-CHANGE OWNERSHIP: WAYNE W

F1=Help F3=Exit F5=Refresh
F13=EstbUpd F14=AddrUpd F17=PrmtInq F21=Srch F23=Print

EH012TP HS Permit Billing System 06/08/98
EH005 Permit Summary 15:37:43

Estab . . 85004389 RIVERSIDE CANAL POWER CO

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9805275529	222800	07/31/1997		0800	368.67		7
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		
	9805275530	222801	07/31/1997		0800	56.00		7
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		
	9805275531	226001	07/31/1997		0800	34.66		5
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		
	9805275532	228700	07/31/1997		0800	128.34		5
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH011TP
EH005

EHS Permit Billing Syst
Establishment Summary

08/17/99
11:44:05

Estab . . 86008879

Established: 02/28/1986
Status . . :
Location . : 72
Parcel . . : 0229283820000
Inactive . :
Federal id :

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Bill to: O Attn: PAUL LACROIX
Contact: Drvr lic: Exp: State:

Applicant: RELIANT ENERGY ETIW L.L.C
ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
Owner: HOUSTON IND POWER GEN,INC
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Comment: PER BLUE-CHANGE OWNERSHIP: WAYNE W/CORRECTIONS PER PAT M A

F1=Help F3=Exit F5=Refresh
F13=EstbUpd F14=AddrUpd F17=PrmtInq F21=Srch F23=Print

EH012TP
EH005

EHS Permit Billing Syst
Permit Summary

08/17/99
11:44:13

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	8603010049	222800	04/30/1998		0200	-260.00	I	1
	Last bill: 03/27/1998 Last delq:					Delq cnt: 0		
	8702260872	222801	04/30/2001		0200	.00	I	1
	Last bill:		Last delq:			Delq cnt: 0		
	9103130034	228703	04/30/1998		0200	-236.50	I	86
	Last bill: 04/28/1998 Last delq:					Delq cnt: 0		
	9103130035	226004	04/30/1998	042987	0200	-926.00	I	86
	Last bill: 04/28/1998 Last delq:					Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9504181533	226200	04/30/1995		0200	.00	I	0
	Last bill: 04/28/1995 Last delq:					Delq cnt: 0		
	9709099803	227001	07/31/1999		0200	.00		0
	Last bill: 06/29/1999 Last delq:					Delq cnt: 0		
	9805275535	222800	07/31/1999		0200	.00		1
	Last bill: 06/29/1999 Last delq:					Delq cnt: 0		
	9805275536	222801	07/31/1999		0200	.00		1
	Last bill: 06/29/1999 Last delq:					Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9805275537	228703	07/31/1999		0200	1,000.00		86
	Last bill: 06/29/1999 Last delq:					Delq cnt: 0		
	9805275538	226004	07/31/1999		0200	.00		86
	Last bill: 06/29/1999 Last delq:					Delq cnt: 0		
	9806166431	227023	07/31/1999		0200	41.50		0
	Last bill: 06/29/1999 Last delq:					Delq cnt: 0		
	9806166432	227022	07/31/1999		0200	.00		0
	Last bill: 06/29/1999 Last delq:					Delq cnt: 0		

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

EH011TP HS Permit Billing System 03/08/99
EH001 Establishment Summary 08:42:16

Estab . . 86008879

Established: 02/28/1986
Status . . :
Location . : 72
Parcel . . : 0229283820000
Inactive . :
Federal id :

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Bill to: O Attn: PAUL LACROIX
Contact: Drvr lic: Exp: State:

Applicant: MT VISTA POWER GENERATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
Owner: HOUSTON IND POWER GEN,INC
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Comment: PER BLUE-CHANGE OWNERSHIP: WAYNE W/CORRECTIONS PER KATHY A

F1=Help F3=Exit F5=Refresh
F13=EstbUpd F14=AddrUpd F17=PrmtInq F21=Srch F23=Print

Per letter, Est + App names changed back to Etiwanda Gen Stn + owner name changed from Houston to Reliant Energy.

Blue'd to request changes

Pat

HA[illegible]DOUS MATERIALS FIELD SER[illegible]CES
COMPUTER DATA BASE UPDATE AUTHORIZATION

CHANGE [X]

(Circle one) INACTIVATE PERMIT/FACILITY [ ]

BILL TO: E A (O) LOC/DIST NO: _____ EST NO: 86008879

(Former Est. Name (if applicable) Mt Vista Power, L.L.C

E – Establishment Information
Name: Etiwanda Generating Station
Street No: 8996 Fraction: _____ Direction: _____
Street Name: Etiwanda Ave Apt/Ste/Unit No: _____
City: Rancho Cucamonga State: CA Zip Code: 91739
Attn: _____ Telephone: ( )

A – Applicant Information
Name: Same as E
Street No: _____ Fraction: _____ Direction: _____
Street Name: _____ Apt/Ste/Unit No: _____
City: _____ State: _____ Zip Code: _____
Attn: _____ Telephone: ( )

O – Owner Information
Name: Reliant Energy
Street No: 8996 Fraction: _____ Direction: _____
Street Name: Etiwanda Ave Apt/Ste/Unit No: _____
City: Rancho Cucamonga State: CA Zip Code: 91739
Attn: _____ Telephone: ( )

Program Information:
Number of Employees: _____ Number of UGST's: _____

Federal Tax I.D.Number/Social Security Number: _____

Permit Information: (Circle those that apply)
Change/Inactivate/Add: _____ Permit No: _____
Change/Inactivate/Add: _____ Permit No: _____
Change/Inactivate/Add: _____ Permit No: _____
Change/Inactivate/Add: _____ Permit No: _____
Change/Inactivate/Add: _____ Permit No: _____

Date Submitted: 3/10/99 Date Entered: MAR 10 1999
Sumitted By: Pat Entered By: OK ram

Comments/Remarks: Company changed name, NOT ownership. Please change all names as shown. Thanks

COUNTY FIRE
HAZARDOUS MATERIALS
99 MAR -5 PM 2:07

Reliant Energy

February 26, 1999

Mr. John Jeska
San Bernardino County
Hazardous Materials Division
385 N. Arrowhead Ave.
San Bernardino, CA 92415-0153

RE: Change of Name

Dear Mr. Jeska:

This letter is to inform you that Mountain Vista Power Generation, LLC is changing its name as well as the name of its generating station in Etiwanda. This change is due to the parent company, Houston Industries Incorporated changing its name to Reliant Energy, Incorporated. The name changes are as follows:

	Previous Names	New Names
Owner:	Mountain Vista Power Generation, LLC	Reliant Energy Etiwanda, LLC
Facility:	Mountain Vista Power Generation	Etiwanda Generating Station

The changes are name changes only and do not affect ownership, personnel or operating characteristics.

If you have any questions, please call me at (713) 945-8207.

Sincerely,

R. W. Lawhn, P. E.
Manager, Water and Ecological Resources Division

RWL/rgb
cc: D. W. Ross
P. E. Lacroix

Est
86008879

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/1999

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST. - 86008879 PERMIT - 9805275535

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $346.67

HOUSTON IND POWER GEN, INC
DBA: MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR TANKS - 1

16 mo.

Richard W. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/1999

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86C08879 PERMIT - 9805275536

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANK STATE FEE

FEE PAID $16.00

HOUSTON IND POWER GEN, INC
DBA: MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR TANKS - 1

2 YR.

Richard W. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/1998

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $260.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR TANKS - 1

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNT IRE DEPARTMENT
HAZARDOUS MATERIALS ..ISION
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. **86008879**

ANNUAL INVOICE

03/29/1997
PAGE 1 OF 1

Permit Number	Category	Exp. Date	For the Period of	Amount Due
8603010049	222800	04/30/1997	05/01/1997-04/30/1998	260.00

MAY 05 1997

PAID
Amt. 260.00
Date APR 29 1997
By

BILL TO: SCE/ENVIRONMENTAL AFFAIRS
P O BOX 800 #405
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA

TOTAL AMOUNT DUE: 260.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200 (Return Top Portion With Payment)

COUNTY FIRE
HAZARDOUS MATERIALS
97 APR 29 PM 3:25

ORIGINAL

Office SB Co fire San Bernardino County

, Calif., 4-29 19 97

1 '2631

RECEIVED FROM So Cal Edison Co $ 260.00

Two hundred sixty DOLLARS

Court Case Name vs.

NATURE OF FEES		
155-9415	260	—
107116		
☐ CASH ☒ CHECK ☐ MONEY ORDER	260	—

Case No. 86008879

Cindy Cobb
(SIGNATURE)

Acct Clerk II
(TITLE)

01-188A-123 REV. 3-80 10-83

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL℠ Company

April 28, 1997

San Bernardino County Fire Department
Hazardous Materials Division
385 N. Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415-0153

SUBJECT: UST FEES (PERMIT # 8603010049)
ETIWANDA G/S – SOUTHERN CALIFORNIA EDISON COMPANY

Attached is the check in the amount of $260 for the annual UST fee for Etiwanda Generating Station located at 8996 Etiwanda Avenue.

If you have any questions, please contact Katy Vanderslice at (818) 302-9320.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
ENVIRONMENTAL AFFAIRS

Enclosure

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/1997

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $260.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR TANKS - 1

Richard D. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL
FILE COPY

POST IN A
CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/2001

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8702260872

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANK STATE FEE

FEE PAID
$56.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR TANKS - 1

Richard W. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. **86008879**

ANNUAL INVOICE

03/28/1996
PAGE 1 OF 1

APR 23 1996

Permit Number	Category	Exp. Date	For the Period of	Amount Due
8603010049	222800	04/30/1996	05/01/1996-04/30/1997	260.00
8702260872	222801	04/30/1996	05/01/1996-04/30/2001	56.00

PAID
316.00
APR 16 1996

BILL TO: SCE/ENVIRONMENTAL AFFAIRS
P O BOX 800 #405
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA

TOTAL AMOUNT DUE: 316.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200 (Return Top Portion With Payment)

Office SB Co Fire / Hz Mat San Bernardino County

, Calif., 4-16 19 96

ORIGINAL

1234717 DJ

RECEIVED FROM So Calif Edison $ 316

Three hundred sixteen DOLLARS

Court Case Name vs.

NATURE OF FEES		
SKX706-155-9415	316	—
93722		
☐ CASH ☒ CHECK ☐ MONEY ORDER	316	—

Case No. 86008879

Cindy Echols
(SIGNATURE)

Fiscal Tech
(TITLE)

01- 123 REV. 3-80 10-83

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/1996

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $260.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR TANKS - 1

Pamilla V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. **86008879**

ANNUAL INVOICE

03/30/1995
PAGE 1 OF 1

Permit Number	Category	Exp. Date	For the Period of	Amount Due
8603010049	222800	04/30/1995	05/01/1995-04/30/1996	260.00

PAID 00
260
Amt.
Date APR 11 1995
By

BILL TO: SCE/ENVIRONMENTAL AFFAIRS
P O BOX 800 #405
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA

TOTAL AMOUNT DUE: 260.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

APR 13 1995

0200 (Return Top Portion With Payment)

ENVIRONMENTAL
HEALTH SERVICES
95 APR 11 AM 10:42

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/1995

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86CC8879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $260.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800 #186
ROSEMEAD, CA 91770

NBR TANKS - 1

Pamella V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. 86008879

ANNUAL INVOICE

03/30/1994
PAGE 1 OF 1

Permit Number	Category	Exp. Date	For the Period of	Amount Due
8603010049	222800	04/30/1994	05/01/1994-04/30/1995	260.00

PAID
Amt. 260.00
Date APR 22 1994
By

APR 28 1994

BILL TO: SO CAL EDISON/HOXENG, G
P O BOX 800 #186
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA GENERATING

TOTAL AMOUNT DUE: 260.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200 (Return Top Portion With Payment)

ENVIRONMENTAL
HEALTH SERVICES

94 APR 22 PM 2:19

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES: 05/31/1994

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130034

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $926.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR EMPLS - 86

Pamella V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

CE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130035

THIS PERMIT EXPIRES:
05/31/1994

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $208.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR EMPLS - 86

Pamilla V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

EH012TP EHS Permit Billing System 06/08/93
EH007 Permit Summary 08:17:43

Estab . . 86008879 SCE ETIWANDA GENERATING

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	8603010049	222800	04/30/1994		0200	.00		1
	Last bill:		Last delq:			Delq cnt: 0		
	8702260872	222801	04/30/1996		0200	.00		1
	Last bill: 03/28/1991		Last delq:			Delq cnt: 0		
	9103130034	228703	05/31/1993		0200	926.00		86
	Last bill: 05/01/1993		Last delq:			Delq cnt: 0		
	9103130035	226004	05/31/1993	042987	0200	208.00		86
	Last bill: 05/01/1993		Last delq:			Delq cnt: 0		

JUN 15 1993

JUN 15 1993

F1=Help F3=Exit F5=Refresh F7=Bkwd F8=Fwd
F15=PrmtUpd F19=ItemInq F20=FiscInq F21=Srch F22=Smry F23=Print

PAID
Amt. 1134.00
Date 6-4-93
By

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/1994

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $260.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

Pamella V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. **86008879**

ANNUAL INVOICE

03/30/1993
PAGE 1 OF 1

Permit Number	Category	Exp. Date	For the Period of	Amount Due
8603010049	222800	04/30/1993	05/01/1993-04/30/1994	260.00

PAID 00
Amt 260.
MAY 07 1993

MAY 12 1993

BILL TO: SO CAL EDISON/HOXENG, G
P O BOX 800
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA GENERATING

By CC

TOTAL AMOUNT DUE: 260.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200 (Return Top Portion With Payment)

ENVIRONMENTAL
HEALTH SERVICES

93 MAY -7 PM 2:06

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/93

PERMIT

NON-TRANSFERABLE

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 86C3010049

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $200.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

Pamilla V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

(714) 793-5233 • FAX (714) 798-4283

IONTHLY

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

PAGE 1
BILL DATE 03/30/92
HEALTH PERMIT EXPIRATION DATE 04/30/92

** REMIT COPY ***

ESTABLISHMENT NBR 86008879

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739

PERMIT NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT
6603[illegible]49	222800	PREVIOUS BALANCE		0.00
		UNDERGROUND STORAGE TANKS	101	200.00
		PERMIT TOTAL		200.00
		TOTAL DUE		200.00

APR 28 1992

LL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR URRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. EVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE ND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

F YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

OOD ESTABLISHMENT PERMITS -- 387-4637
WIMMING POOL PERMITS -- 387-4637
ILK & DAIRY ESTABLISHMENTS -- 387-4608
AZARDOUS OR INFECTIOUS
GENERATORS -- 387-3080
NDERGROUND STORAGE
TANK PERMITS -- 387-3080
AZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-6515
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-6515
HOME OCCUPATION PERMITS -- 387-6512
TEMPORARY OFFICES/SIGNS -- 387-6512
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4666
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-6512

PAID
Amt 200.00
Date 4-21-92
By CC

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

ONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

LEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION
ND ADDING THE CHANGES. *** PLEASE PRINT. ***

STABLISHMENT INFO SCE ETIWANDA GENERATING

714) 987-2561 8996 ETIWANDA

ETIWANDA, CA 91739

<√> CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON/HOXENG, G

(818) 302-1646 P O BOX 800

ROSEMEAD, CA 91770

EGAL OWNER INFO SO CAL EDISON/HOXENG, G

818 2-1646 P O BOX 800

ROSEMEAD, CA 91770

IS THIS A TRANSFER? _____

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

MPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ___LEGAL OWNER ___APPLICANT

UMBER OF UNDERGROUND STORAGE TANKS: 1

MERGENCY CONTACT:	POSITION:	WORK PHONE:	24-HR PHONE:

OFFICE USE ONLY 09
EST NBR 86008879
PERMIT NBR 8603010049
FORMER EST NBR _____
PERMIT CATEGORY 222800
EXPIR DATE 04/30/92
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0200
MFR NBR
APN
PERMIT FEE _____
STATE FEE _____
DELINQUENT FEE
TOTAL FEE REC'D $200

HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED USINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY EREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF AN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS NCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

IGNED Gregory J. Hofeng DATED 4/16/92 TITLE ENGINEER I

OTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE.
APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

ENVIRONMENTAL
HEALTH SERVICES

92 APR 21 PM 2:12

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

April 16, 1992

ENVIRONMENTAL
HEALTH SERVICES
92 APR 21 PM 2:12

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

Dear Sirs:

Enclosed please find a check for $200.00 to cover the renewal fees for the Etiwanda Generating Station Underground Storage Tank permit.

Please submit all correspondence on these permits to my attention at the above address. I may also be reached at (818) 302-1646.

Sincerely,

Gregory J. Hoxeng

Gregory J. Hoxeng
Engineer I

Enclosures



ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/96

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8702260872

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANK STATE FEE

FEE PAID $56.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/92

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $187.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

MONTHLY

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

PAGE 1
BILL DATE 03/28/91
HEALTH PERMIT EXPIRATION DATE 04/30/91

MAY check 8-9-91

*** REMIT COPY ***

ESTABLISHMENT NBR 86008879

SO CAL EDISON/C ALCAINO
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739

PERMIT NBR	CATEGORY	DESCRIPTION		BILL CODE	AMOUNT
8610049	222800	PREVIOUS BALANCE			0.00
		UNDERGROUND STORAGE TANKS		101	187.00
			PERMIT TOTAL		187.00
8702260872	222801	PREVIOUS BALANCE			0.00
		UNDERGROUND STORAGE TANK STATE FEE		101	0.00
		STATE FEE		105	56.00
			PERMIT TOTAL		56.00
			TOTAL DUE		243.00

MAY 28 1991

MAY 28 1991

ALL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR CURRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE AND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

PAID 00
Amt 243
Date 5-16-91
By CE
62366

I U HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:
F ESTABLISHMENT PERMITS -- 387-4637
SWIMMING POOL PERMITS -- 387-4637
MILK & DAIRY ESTABLISHMENTS -- 387-4608
HAZARDOUS OR INFECTIOUS
WASTE GENERATORS -- 387-3080
UNDERGROUND STORAGE
TANK PERMITS -- 387-3080
HAZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-6515
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-6515
HOME OCCUPATION PERMITS -- 387-6512
TEMPORARY OFFICES/SIGNS -- 387-6512
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4666
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-6512

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

ENVIRONMENTAL
HEALTH SERVICES
91 MAY 16 AM 11:34

ENCLOSED WITH
RETURNED WITH
THIS FORM MUST BE
YOUR REMITTANCE

MONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO SCE ETIWANDA GENERATING
(714) 987-2561 8996 ETIWANDA
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON ~~C ALCAINO~~ G. HOXENG
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

LEGAL OWNER INFO SO CAL EDISON ~~C ALCAINO~~ G. HOXENG
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? NO

IF YES: FORMER ESTABLISHMENT NAME _____

OR FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ✓LEGAL OWNER ___APPLICANT

NUMBER OF UNDERGROUND STORAGE TANKS: 1

EMERGENCY CONTACT:	POSITION:	WORK PHONE:	24-HR PHONE:

OFFICE USE ONLY 09	
EST NBR	86008879
PERMIT NBR	8603010049
FORMER EST NBR	
PERMIT CATEGORY	222800
EXPIR DATE	04/30/91
NEW, TRANS, RENEW	R
LOC CODE	72
SANI DIST	0200
MFR NBR	
APN	
PERMIT FEE	187
STATE FEE	56
DELINQUENT FEE	
TOTAL FEE REC'D	$243

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

SIGNED Gregory J. Hoxeng DATED MAY 13, 1991 TITLE ENGINEER I

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 14, 1991

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

Dear Sirs:

Enclosed please find a check for $243.00 to cover the renewal fees for the Etiwanda Generating Station Underground Storage Tank permit.

Please submit all correspondence on these permits to my attention at the above address. I may also be reached at (818) 302-1646.

Sincerely,

Gregory J. Hoxeng

Gregory J. Hoxeng
Engineer I

Enclosures

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:

04/30/91

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $163.00

SO CAL EDISON/C ALCAINO
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

Director
ENVIRONMENTAL HEALTH SERVICES

NTHLY

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

PAGE 1
BILL DATE 03/31/90
HEALTH PERMIT EXPIRATION DATE 04/30/90

* REMIT COPY ***

ESTABLISHMENT NBR 86008879

SO CAL EDISON/C ALCAINO
DBA: SCE/ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

SCE/ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739

RMIT NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT
030 9	222800	PREVIOUS BALANCE		0.00
		UNDERGROUND STORAGE TANKS	101	163.00
		PERMIT TOTAL		163.00
		TOTAL DUE		163.00

APR 26 1990

PAID
Amt $163-
Date 4/25
By Pat
#A-430937

THIS COPY MUST BE RETURNED WITH YOUR REMITTANCE

L FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR IRRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. VIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE D APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

OD ESTABLISHMENT PERMITS -- 387-4637
IMMING POOL PERMITS -- 387-4637
LK & DAIRY ESTABLISHMENTS -- 387-4608
ZARDOUS OR INFECTIOUS
WASTE GENERATORS -- 387-3080
IDE JND STORAGE
TA ERMITS -- 387-3080
ZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-6515
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-6515
HOME OCCUPATION PERMITS -- 387-6512
TEMPORARY OFFICES/SIGNS -- 387-6512
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4666
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-6512

ONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

LEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION ND ADDING THE CHANGES. *** PLEASE PRINT. ***

STABLISHMENT INFO — SCE/ETIWANDA GENERATING
714) 987-2561 — 8996 ETIWANDA
ETIWANDA, CA 91739

EGAL OWNER INFO — SO CAL EDISON/C ALCAINO
818) 302-1646 — P O BOX 800
ROSEMEAD, CA 91770

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO — SO CAL EDISON/C ALCAINO
(818) 302-1646 — P O BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? _____

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

MPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

NUMBER OF UNDERGROUND STORAGE TANKS: 1

EMERGENCY CONTACT:	POSITION:	WORK PHONE:	24-HR PHONE:
JERRY L. SOCIA	SUPV. OF PLANT ENGR.	(714) 987-2561	(818) 302-1212
RICHARD E. DARNELL	SUPV. OF PLANT OPER.	(714) 987-2561	(818) 302-1212

OFFICE USE ONLY 09	
EST NBR	86008879
PERMIT NBR	8603010049
FORMER EST NBR	
PERMIT CATEGORY	222800
EXPIR DATE	04/30/90
NEW, TRANS, RENEW	R
LOC CODE	72
SANI DIST	2200
MFR NBR	
APN	
PERMIT FEE	
STATE FEE	
DELINQUENT FEE	
TOTAL FEE REC'D	$163

YOUR CHECK MUST BE ATTACHED WITH REMITTANCE

HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED USINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY EREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF AN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS NCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

IGNED Carlos Alcaino DATED 4/23/90 TITLE SENIOR ENGINEER

OTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

April 23, 1990

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

Dear Sirs:

Enclosed please find a check for $2,254.00 to cover the renewal fees for various Southern California Edison's generating stations environmental permits. These are as follows:

Cool Water Generating Station	Hazardous Waste Generator	$550.00
	Hazardous Material Handler	$125.00
Etiwanda Generating Station	Underground Storage Tanks	$163.00
Highgrove Generating Station	Hazardous Waste Generator	$198.00
	Hazardous Material Handler	$60.00
San Bernardino Generating Station	Underground Storage Tanks	$483.00
	Hazardous Waste Generator	$550.00
	Hazardous Material Handler	$125.00
	TOTAL	$2,254.00

Please submit all correspondence on these permits to Greg Hoxeng at the above address. He may also be reached at (818) 302-2669.

Sincerely,

Carlos Alcaino
Senior Engineer

Enclosures

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/90

SCE/ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $140.00

SO CAL EDISON/C ALCAINO
DBA SCE/ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A
CONSPICUOUS PLACE

facility name E only (to be listed with the other SCE locations) LV 5-4-89

COMPUTER DATA BASE UPDATE AUTHORIZATION

**ACTION REQUESTED (Circle One)

Add **Change** Inactivate Delete

D.BA – SCE/ETIWANDA-GENERATING

**ESTABLISHMENT INFORMATION:

Etiwanda Generating Stn
(Name)

8996 Etiwanda Etiwanda
(Number/Street) (City)

**PERMIT CATEGORY

CHANGE PERMIT CATEGORY FROM _____ TO _____

LEGAL OWNER INFORMATION:

(Name)

(Mailing Address) (City) (Zip)

THIS IS A **NEW** ESTABLISHMENT: _____

THIS IS A **TRANSFER:** _____

Former Establishment Name: _____

PERMIT SECTION SHOULD SEND NEW APPLICATION: _____

NEW APPLICATION HAS BEEN GIVEN TO NEW OWNER: _____

ESTABLISHMENT **NAME CHANGE ONLY** (no change in ownership):

all above
(Old Name)

* SCE/Etiwanda Generating Stn
(New Name)

MAY 09 1989

PAID

Amt 140.00

Date 5-8-89

By Dendy

MAY 09 1989

MARK DESIRED BOX(ES):

	Make Change To	Date	Initial
	EH PERMIT BILLING SYSTEM		
	SWEEPS		
	ESTABLISHMENT FILE		

**EHS PERMIT BILLING SYSTEM: 860088879

(Establishment Number) 8603010049

(Permit Number - Mandatory except for new establishment)

*SWEEPS MFR NUMBER _____ *DIST/SANI NUMBER _____

CHANGE DIST/SANI FROM _____ TO _____

**PROGRAM _____ LOCATION _____

PROGRAM SPECIFIC INFORMATION

FOOD: Seating Capacity _____

Square Footage _____

RECREATIONAL BATHING: # of Pools _____

MILK AND DAIRY: Gallons _____

HAZARDOUS MATERIALS: # of Tanks 1

# of Employees _____

HOUSING: # of Units _____

VECTOR: # of Birds _____

WASTE: Daily Tons _____

Cubic Yards _____

WATER: # of Connections _____

License Number/Expiration Date 4/30/89

License Class 1 _____ 2 _____

570 (140.00)

* = Mandatory for Food Program Only
** = Mandatory for ALL Programs

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

86 008879

April 14, 1989

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

Dear Sirs:

Enclosed please find a check for $140.00 to cover the renewal fees for the Etiwanda Generating Station Underground Storage Tank permit.

Please submit all correspondence on these permits to my attention at the above address. I may also be reached at (818) 302-1646.

Sincerely,

Carlos Alcaino

Carlos Alcaino

Enclosures

PAID

Amt 140.00

Date 5-8-89

By Becky

HEALTH SERVICES
69 APR 17 PM 3:2

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/89

ETIWANDA GENERATING STN
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $112.00

SO CAL EDISON/C ALCAINO
DBA ETIWANDA GENERATING STN
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

PAGE 1
BILL DATE 03/29/88
HEALTH PERMIT EXPIRATION DATE 04/30/88

*** REMIT COPY ***

ESTABLISHMENT NBR 86008879

SOUTHERN CALIF EDISON CO
DBA: ETIWANDA GENERATING STN
P O BOX 800
ROSEMEAD, CA 91770

ETIWANDA GENERATING STN
8996 ETIWANDA
ETIWANDA, CA 91739

PERMIT NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT
8603[redacted]0049	222800	PREVIOUS BALANCE		0.00
		UNDERGROUND STORAGE TANKS	101	112.00
		PERMIT TOTAL		112.00
		TOTAL DUE		112.00

MAY 4 1988

PAID
Amt 112.00
Date MAY 3 1988
By AK

ALL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR CURRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE AND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

IF YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

FOOD ESTABLISHMENT PERMITS -- 387-4637
SWIMMING POOL PERMITS -- 387-4637
MILK & DAIRY ESTABLISHMENTS -- 387-4608
HAZARDOUS OR INFECTIOUS
[redacted]E GENERATORS -- 387-3080
[redacted]GROUND STORAGE
TANK PERMITS -- 387-3080
HAZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-4670
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-4670
HOME OCCUPATION PERMITS -- 387-4678
TEMPORARY OFFICES/SIGNS -- 387-4678
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4655
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-4678

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO ETIWANDA GENERATING STN

(714) 987-2561 8996 ETIWANDA

ETIWANDA, CA 91739

<✓> CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON CO
ATT. CARLOS ALCAINO
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

MAY 4 1988

LEGAL OWNER INFO SOUTHERN CALIF EDISON CO
ATT: CARLOS ALCAINO
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

MAY 4 1988

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ✓ LEGAL OWNER ✓ APPLICANT

NUMBER OF UNDERGROUND STORAGE TANKS: 001

EMERGENCY CONTACT:	POSITION:	WORK PHONE:	24-HR PHONE:
JERRY L. SOCIA	SUPV. OF PLT. ENGR.	714-987-2561	818-302-1212
CARLOS B. ALCAINO	SENIOR ENGINEER	818-302-1646	818-302-1212

OFFICE USE ONLY	
EST NBR	86008879
PERMIT NBR	8603010049
FORMER EST NBR	
PERMIT CATEGORY	222800
EXPIR DATE	04/30/88
NEW, TRANS, RENEW	R
LOC CODE	72
SANI DIST	2200
MFR NBR	
APN	
PERMIT FEE	112.00
STATE FEE	
DELINQUENT FEE	
TOTAL FEE REC'D	112.00

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

SIGNED Carlos Alcaino DATED 4/18/88 TITLE SENIOR ENGINEER

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STN
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

THIS PERMIT EXPIRES:
04/30/88

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

INTERIM STATUS

FEE PAID $112.00

SOUTHERN CALIF EDISON CO
DBA ETIWANDA GENERATING STN
P O BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

pm 5/7/87 P

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/91

ETIWANDA GENERATING STN
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8702260872

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANK STATE FEE

FEE PAID $44.80

SOUTHERN CALIF EDISON CO
DBA ETIWANDA GENERATING STN
P O BOX 800
ROSEMEAD, CA 91770

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A
CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

BILL DATE 03/31/87
HEALTH PERMIT EXPIRATION DATE 04/30/87

*** REMIT COPY ***

ESTABLISHMENT NBR 86008879

SOUTHERN CALIF EDISON CO
DBA: ETIWANDA GENERATING STN
P O BOX 800
ROSEMEAD, CA 91770

ETIWANDA GENERATING STN
8996 ETIWANDA
ETIWANDA, CA 91739

PERMIT NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT
8603010049	222800	PREVIOUS BALANCE		0.00
		UNDERGROUND STORAGE TANKS	101	112.00
		PERMIT TOTAL		112.00
8702260872	222806	PREVIOUS BALANCE		0.00
		UNDERGROUND STORAGE TANK STATE FEE	101	0.00
		STATE FEE	105	44.80
		PERMIT TOTAL		44.80
		TOTAL DUE		156.80

MAY 5 1987

MAY 5 1987

PAID
Amt 156.80
Date MAY 5 1987
By TK

ALL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR CURRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE A PPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

IF YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

FOOD ESTABLISHMENT PERMITS -- 387-4637
SWIMMING POOL PERMITS -- 387-4637
MILK & DAIRY ESTABLISHMENTS -- 387-4608
HAZARDOUS OR INFECTIOUS
WASTE GENERATORS -- 387-4629
UNDERGROUND STORAGE
TANK PERMITS -- 387-4629
HAZARDOUS MATERIAL HANDLER
PERMITS -- 387-3080
MOBILEHOME PARK PERMITS -- 387-4670
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-4670
HOME OCCUPATION PERMITS -- 387-4670
TEMPORARY OFFICES/SIGNS -- 387-4670
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO ETIWANDA GENERATING STN
(714) 987-2561 8996 ETIWANDA
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON CO
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

I . OWNER INFO SOUTHERN CALIF EDISON CO
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? _____
IF YES: FORMER ESTABLISHMENT NAME _____
FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

NUMBER OF UNDERGROUND STORAGE TANKS: 001

PERMIT FEE INCLUDES $11.20 PER TANK -- STATE WATER RESOURCES CONTROL BOARD SURCHARGE.

EMERGENCY CONTACT:	POSITION:	WORK PHONE:	24-HR PHONE:
ROBERT J. LUGO	SUPV. OF PLT. ENG.	714-987-2561	818-302-1212
CARLOS B. ALCAINO	SENIOR ENGINEER 2	818-302-1646	818-302-1212

OFFICE USE ONLY	
EST NBR	86008879
PERMIT NBR	8603010049
FORMER EST NBR	
PERMIT CATEGORY	222800
EXPIR DATE	04/30/87
NEW, TRANS, RENEW	R
LOC CODE	72
SANI DIST	2200
MFR NBR	
APN	
PERMIT FEE	112-00
STATE FEE	
DELINQUENT FEE	
TOTAL FEE REC'D	112.00

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

SIGNED Carlos Alcaino DATED 4/13/87 TITLE SENIOR ENGINEER 2

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

April 23, 1987

Environmental Health Services
County of San Bernardino
395 Arrowhead Avenue
San Bernardino, CA 92415-0160

Subject: Hazardous Materials Handler, Hazardous Waste Generator and Underground Tank Fees

I am enclosing a check for $422.90 to cover the fees itemized in the enclosed invoices. Included in this remittance are the following fees:

- Hazardous Waste Generator and Hazardous Material Handler for Cool Water Generating Station

- Underground Storage Tank (State and County) for Etiwanda Generating Station

Please forward all future correspondence to my attention at the above address and direct your questions on this matter to me at (818) 302-1646.

Cordially,

Carlos Alcaino
Senior Engineer II

Enclosures

cc: M. L. Varvis
M. R. White

CBA399
CBA:mb

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/87

WANDA GENERATING STAT
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 8603010049

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $117.20

SOUTHERN CALIF EDISON CO
P.O. BOX 800
ROSEMEAD, CA 91770

NBR TANKS - 1

Pen 5-1-86 EM

INTERIM STATUS

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO ETIWANDA GENERATING STAT
(714) 987-2561 8996 ETIWANDA
ETIWANDA, CA 91739

<X > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON CO
(818) 302-1646 P.O. BOX 800
ROSEMEAD, CA 91770

LEGAL OWNER INFO SOUTHERN CALIF EDISON CO
(818) 302-1646 P.O. BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: X ESTABLISHMENT ADDRESS ___LEGAL OWNER ___APPLICANT

NUMBER OF UNDERGROUND STORAGE TANKS: 002 1

APR 28 1986

PERMIT FEE INCLUDES $11.20 PER TANK -- STATE WATER RESOURCES CONTROL BOARD SURCHARGE.

EMERGENCY CONTACT:	POSITION:	WORK PHONE:	24-HR PHONE:
M. L. Varvis	Manager	(714) 987-2561	(714) 987-2561
or Shift Supervisor		(714) 987-2561	

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

OFFICE USE ONLY	
EST NBR	86008879
PERMIT NBR	8603010049
FORMER EST NBR	
PERMIT CATEGORY	222800
EXPIR DATE	04/30/86
NEW, TRANS, RENEW	R
LOC CODE	72
SANI DIST	2200
MFR NBR	
APN	
PERMIT FEE	106.00
STATE FEE	11.20
DELINQUENT FEE	
TOTAL FEE REC'D	117.20

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

SIGNED M L Varvis DATED 4/2/86 TITLE Manager

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

YOUR REMITTANCE
RETURNED WITH
THIS FORM MUST BE

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
INVOICE

BILL DATE 03/18/86

*** REMIT COPY ***

ESTABLISHMENT NBR 86008879

SOUTHERN CALIF EDISON CO
P.O. BOX 800
ROSEMEAD, CA 91770

ETIWANDA GENERATING STAT
8996 ETIWANDA
ETIWANDA, CA 91739

PERMIT NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT	
86(1049	222800	PREVIOUS BALANCE		0.00	
		UNDERGROUND STORAGE TANKS	101	~~150.00~~	106.00
		STATE FEE	105	~~-32.40~~	11.20
		PERMIT TOTAL		~~180.40~~	117.20
		TOTAL DUE		~~180.40~~	117.20

APR 28 1986

ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE AND APPLICATION(S) WITH REMITTANCE TO:

ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA. 92415-0160
PHONE 714-383-2760

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

PAID
Amt 117.20
Date APR 25 1986
By

THIS FORM MUST BE
RETURNED WITH
YOUR REMITTANCE

RECEIVED
APR 23 1986
ENVIRONMENTAL
HEALTH SERVICES

HAZARDOU WASTE & TOXICS CONTROL SECTION
APBS DATA INPUT

FACE SHEET

ACTION CODE: I Esta. # 860008879 Permit # 860301004 9

ESTABLISHMENT INFO (00)

Bill to: O Location # 72 Esta. Date _____

ADDRESSING INFO (99):

E
NAME: Etiwanda Generating Station
ST. # 8996 FRAC: _____ DIR: _____ ST. NAME: Etiwanda
ST. DESIG. _____ APT/SP _____
CITY Etiwanda STATE CA ZIP 91739 PH (714) 987 - 2561

A
NAME: Southern California Edison Company
ST. # _____ FRAC: _____ DIR: _____ ST. NAME: Box 800
ST. DESIG. _____ APT/SP _____
CITY Rosemead STATE CA ZIP 91770 PH (818) 302 - 1646

O
NAME: same
ST. # _____ FRAC: _____ DIR: _____ ST. NAME: _____
ST. DESIG. _____ APT/SP _____
CITY _____ STATE _____ ZIP _____ PH (___) ___ - ____

PERMIT INFO (01):

Category: 222800 Exp. Date 4/30/86 San Dist Area: 22 San Dist. Emp: 00

Renewal Code: R

PROGRAM INFO:

# of Tank(s) 2

Date Entered : FEB 28 1986

Control # 10048

By (Initial): DL

COMMENTS/REMARKS:

№ 104

County of San Bernardino
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. Arrowhead Ave., San Bernardino, CA 92415 • (714) 383-1856

JOB CARD

CONSTRUCTION AND/OR ABANDONMENT OF UNDERGROUND STORAGE FACILITY

POST THIS CARD AT JOB SITE

Site Address: 8996 Etiwanda Avenue 010786-02
Etiwanda (Etiwanda Generating Station)

Contractor:

Address/Phone #: /

	Inspection Record	Approved By	Date
Inspection	Excavation Clean, Approved Slope	✓	2-21-86
	Liner in Place, Tight Seams	N/A	
	Bedding Materials/Depth	✓	
	Holiday Test, Tanks Set	N/A	
	Additional Requirements:	NONE L. Reichert	
	Do Not Backfill Until Above Approved		
Inspection	Tank Air Test 5 PSI/30 Minutes	✓	2-28-86
	Product Lines 75 PSI/30 Minutes	✓	
	Leak Detectors Installed	✓	
	Product line Containment	✓	2-5-86
	Metal Piping Wrapped		
	Additional Requirements:	N/A	
Final	Approved Fill Boxes	✓	3-10-86
	Concrete or AC Paving 12" Beyond Excavation	✓	
	Leak Detectors Tested, Monitors Installed	✓	
	Lockable Fluid-Tight Access for Monitoring Points	✓	
	Operating Permit Applied for:	To Apply P. Depley	
	Additional Requirements:		
	Do Not Place In-Service Until Approved		
Tank Abandonment	Tank Removed	✓	2-21-86
	Soil Samples Taken By:	N/A	
	Test Boring By:	N/A	
	Additional Test Requirements:	NONE L. Reichert	
	Final — Approved for Backfill		

Additional Requirements by Local Fire Authority:

Final Approved by Local Fire Authority:

Name: Title: Date:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY
PRESERVE THIS RECORD OF INSPECTIONS.

FOR INSPECTION CALL 48 HOURS IN ADVANCE AT (714) 383-1856

* See report by Dave Hinkle, P.E.

14-16867-631

Please Print

Submit to:
San Bernardino County Dep :ment of Environmental He :h Services
385 North Arrowhead, San Bernardino, CA 92415

APPLICATION FOR REMOVAL OF UNDERGROUND TANK

Fee.

DATE: 1-7-86

$ 98.00 First Tank
$ 48.00 Each Additional Tank

Job Location

WENDELL SUYAMA (ETIWANDA GENERATING STATION) (818) 302-1801
Facility Name or Contact Person Phone #

8996 ETIWANDA AVENUE
Situs Address

ETIWANDA, CALIFORNIA 91739
City State Zip Code

Contractor

Name Phone #

Mailing Address

City State Zip Code

Owner

SOUTHERN CALIFORNIA EDISON COMPANY (818) 302-1801
le Phone #

POST OFFICE BOX 800
Mailing Address

ROSEMEAD, CALIFORNIA 91770
City State Zip Code

Tank Data

Construction	Size	Contents	U.L. Number
STEEL		GASOLINE	
STEEL		SOLVENT	
STEEL		NAPHTHA	

Workman's Comp. Carrier & Policy #:

Fire Agency:

Water & Sewer Agency:

Owner's Representative: WENDELL SUYAMA (818) 302-1801

Wendell Suyama
Signature

1/7/86
Date

OFFICE USE ONLY

DATE 1-7-86
AMOUNT $106- permits paid on other
RECEIPT NO. 26682
BY: JB

PAID

Submit to:
San Bernardino County De_ :tment of Environmental H_ .th Services
385 North Arrowhead, San Bernardino, CA 92415

Please Prin

UNDERGROUND TANK INSTALLATION APPLICATION

~~$175.00~~ 82.00 First Tank
~~$ 45.00~~ 48.00 Each Additional Tank

DATE: 1-7-86

Job Location

WENDELL SUYAMA — (818) 302-1801
Facility Name or Contact Person — Phone #

8996 ETIWANDA AVENUE
Situs Address

ETIWANDA, — CALIFORNIA — 91739
City — State — Zip Code

Contractor

Name — Phone #

Mailing Address

City — State — Zip Code

Owner

SOUTHERN CALIFORNIA EDISON — (818) 302-1801
me — Phone #

POST OFFICE BOX 800
Mailing Address

ROSEMEAD, — CALIFORNIA — 91770
City — State — Zip Code

Tank Data

Construction	Size	Contents	U.L. Number
FIBERGLAS	4' 3½" X 6' 11-1/8"	UNL. GASOLINE	198079

Workman's Comp. Carrier & Policy #:

Fire Agency:

Water & Sewer Agency:

Owner's Representative: WENDELL SUYAMA

Wendell Suyama
Signature

1/7/86
Date

OFFICE USE ONLY

AMOUNT: $197.00
CHECK #: 26682
DATE PAID: 1-7-86
TAKEN BY: UL

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
(X) 07 UNLINED ( ) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION ( ) 04 UNKNOWN (X) 05 NONE
( ) 06 TAP OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN (X) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS (X) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE ( ) 10 OTHER:

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)		PHONE W/AREA CODE
[signature]	4/2/88	714-987-2561

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE

CONTACT PERSON	PHONE W/AREA CODE

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

UGST PERMIT(S) CANNOT BE PROCESSED WITHOUT A COMPLETED APPLICATION FOR EACH TANK.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

Department of Environmental Health Services
Hazardous Waste & Toxics Control
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)		PUBLIC AGENCY ONLY	
Southern California Edison Company		( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL	
STREET ADDRESS	CITY	STATE	ZIP
P. O. Box 800	Rosemead	CA	91770

II FACILITY

FACILITY NAME		DEALER/FOREMAN/SUPERVISOR	
Etiwanda Generating Station			
STREET ADDRESS		NEAREST CROSS STREET	
8996 Etiwanda Ave.		Arrow Hwy.	
CITY		COUNTY	ZIP
Etiwanda, CA		San Bernardino	91739
MAILING ADDRESS	CITY	STATE	ZIP
8996 Etiwanda Ave.	Etiwanda	CA	91739
PHONE W/AREA CODE	TYPE OF BUSINESS		
(714) 987-2561	( ) 01 GASOLINE STATION (X) 02 OTHER Generating Station		
NUMBER OF CONTAINERS	RURAL AREAS ONLY : TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Varvis, M. L. (714) 987-2561	Varvis, M. L. (714) 987-2561

or Shift Supervisor (714) 987-2561

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 04 OTHER:	CONTAINER NUMBER
B. MANUFACTURER (IF APPROPRIATE): Owens Corning YEAR MFG: 1986	C. YEAR INSTALLED 1986 ( ) UNKNOWN
D. CONTAINER CAPACITY: 550 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES): (X) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER	

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. (X) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL (X) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
( ) 12 UNKNOWN ( ) 13 OTHER:

8996 Etiwanda, Etiwanda

Owner: SCE, SAA

Invoice Mailed 3/14 Exp. 3/28 $ Due $95

30-Day Notice _____ Exp. _____ $ Due _____
(includes 50% penalty)

24-Hr Notice _____ Exp. _____ CollDept _____

Comments _____

PAID $ 140 — DATE 4/22

1853 County of San Bernardino

INVOICE

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
Underground Hazardous Substance Storage Program

Please make any deletions, additions, or corrections necessary. Return this invoice with the appropriate fee to: Department of Environmental Health Services, Hazardous Waste and Toxics Control Section, 385 North Arrowhead Ave., San Bernardino, CA 92415-0160. You may retain the yellow copy for your files. If you have any questions, please call 714-383-1856.

SCE
~~8996 Etiwanda~~ Box 400
~~Etiwanda, CA 91739~~ Rosemead 91770

Due Date:

March 28, 1985
(pay within 30 days to avoid 50% penalty)

You are being billed for the following facilities:

Street Address	# of Tanks	Fee
8996 Etiwanda Etiwanda	~~1~~ 2	~~$95.00~~ 140.00
		Total: ~~$95.00~~ 140.00

Wendell Suyama Reported: 10-7-85
Generation Plant
Leaking U.L. Tank ≈ 2,000 gall
Petro Tight preformed 9-26-85

Wendell ~~Suy~~ Suyama Reported 10.7.85
Prelua Sub Station
Leaking U.L. Tank ≈ 2,000 gal cap.
Petro Tight performed 9.25-85

1560 No. Campus Upland
No File

I declare
informatio
correct to

Carlos Alcaino 7/17/85
Signature Date

CARLOS ALCAINO
Name (Printed)

ENGINEER 1 (818) 302-1646
Title Phone #

E ONLY

DATE 7/17/85
AMOUNT 140.00
RECEIPT NO. 412496
BY: CASH

PAID


RECEIVED
APR 22 1985
ENVIRONMENTAL
HEALTH SERVICES

1853 County of San Bernardino

INVOICE

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
Underground Hazardous Substance Storage Program

Please make any deletions, additions, or corrections necessary. Return this invoice with the appropriate fee to: Department of Environmental Health Services, Hazardous Waste and Toxics Control Section, 385 North Arrowhead Ave., San Bernardino, CA 92415-0160. You may retain the yellow copy for your files. If you have any questions, please call 714-383-1856.

SCE
~~8996 Etiwanda~~ Box 400
~~Etiwanda, CA 91739~~ Rosemead 91770

Due Date:

March 28, 1985
(pay within 30 days to avoid 50% penalty)

You are being billed for the following facilities:

Street Address	# of Tanks	Fee
8996 Etiwanda, Etiwanda	~~1~~ 2	~~$95.00~~ 140.00
	Total:	~~$95.00~~ 140.00

I declare under penalty of perjury, the information provided herein is true and correct to the best of my knowledge.

Carlos Alcaino — 4/29/85
Signature — Date

CARLOS ALCAINO
Name (Printed)

ENGINEER I — (818) 302-1646
Title — Phone #

OFFICE USE ONLY

DATE 4/22/85
AMOUNT 140.00
RECEIPT NO. 412496
BY: CAS

PAID


RECEIVED
APR 22 1985
ENVIRONMENTAL
HEALTH SERVICES

8996 Etiwanda, Etiwanda

Owner: SCE, SAA

Invoice Mailed 3/14 Exp. 3/28 $ Due $95

30-Day Notice _____ Exp. _____ $ Due _____
(includes 50% penalty)

24-Hr Notice _____ Exp. _____ CollDept _____

Comments _____

PAID $ 140 — DATE 4/22

Department of Environmental Health Servic
365 N. Arrowhead
San Bernardino, CA 92415

Permit Application

☐ 01 New Permit ☐ 02 Provisional Permit	☒ 03 Installed before July 1, 1984 ☐ 04 Installed after July 1, 1984	☐ 05 Renewed Permit	☐ 06 Amended Permit

I Owner

Name (Corporation, Individual or Public Agency)			
Southern California Edison Company			
Street Address	**City**	**State**	**ZIP**
2244 Walnut Grove Avenue	Rosemead	CA	91770

II Facility

Facility Name		Dealer/Foreman/Supervisor		
Etiwanda Generating Station		E. F. Ryan, Station Manager		
Street Address			**Nearest Cross Street**	
8996 Etiwanda Avenue			Foothill Blvd.	
City		**County**		**ZIP**
Etiwanda		San Bernardino		91739
Mailing Address		**City**	**State**	**ZIP**
8996 Etiwanda Avenue		Etiwanda	CA	91739
Phone w/area code	**Type of Business**			
(714) 987-2561	☐ 01 Gasoline Station	☒ 02 Other: Electric Utility		
NUMBER OF CONTAINERS AT THIS FACILITY 2	**Rural Areas Only:**	**Township**	**Range**	**Section**

III 24 Hour Emergency Contact Person

Days. Name (last name first) and Phone w/area code	*Nights*. Name (last name first) and Phone w/area code
Station Manager (714) 987-2561	Shift Supervisor (714) 987-2561

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Other: _____	**Container Number** (If there is no number, assign one) TK-406
B. Manufacturer (if appropriate): National Year of Mfg.: 1952	C. Year Installed: 1952 ☐ Unknown
D. Container Capacity: 550 gallons ☐ Unknown	E. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

F. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☐ 01 Yes ☒ 02 No If Yes, Check appropriate box(es):
☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____
If you answered yes; do not complete Part VIII.

V Container Construction

A. Thickness of Primary Containment: 12 ☒ Gauge ☐ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum
☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls
☐ 12 Unknown ☐ 13 Other: _____

Container Construction

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☒ 07 Unlined ☐ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection

☐ 04 Unknown ☐ 05 None ☐ 06 tar or asphalt ☒ 09 Other: Asbestos felt

VI Piping

A. Aboveground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☐ 03 Gravity ☒ 04 Pressure ☐ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☐ 07 None

B. Underground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☐ 03 Gravity ☒ 04 Pressure ☐ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☐ 07 None

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-F you are not required to complete this section.

currently stored	previously stored	CAS # (If known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room
☒ 01	☐ 02		Kerosene
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

Person Filing (Signature)	Phone w/area code
Carlos Alcaino	(818) 302-1646

For Local Agency Use Only

AGENCY NAME	CITY	COUNTY

CONTACT PERSON	PHONE W/AREA CODE

INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number

Date Received	☐ 01	☐ 02	☐ 03

Department of Environmental Health Servic
385 N. Arrowhead
San Bernardino, CA 92415

Permit Application

☐ 01 New Permit ☐ 02 Provisional Permit	☒ 03 Installed before July 1, 1984 ☐ 04 Installed after July 1, 1984	☐ 05 Renewed Permit	☐ 06 Amended Permit

I Owner

Name (Corporation, Individual or Public Agency)			
Street Address	City	State	ZIP

II Facility

Facility Name		Dealer/Foreman/Supervisor		
Street Address			Nearest Cross Street	
City		County		ZIP
Mailing Address		City	State	ZIP
Phone w/area code	Type of Business ☐ 01 Gasoline Station ☐ 02 Other: _____			
NUMBER OF CONTAINERS AT THIS FACILITY	**Rural Areas Only:** Township	Range	Section	

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	*Nights*: Name (last name first) and Phone w/area code

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Other: _____ — **Container Number** (If there is no number, assign one): TK-407

B. Manufacturer (if appropriate): National Year of Mfg.: 1952 — C. Year Installed: 1952 ☐ Unknown

D. Container Capacity: 120 gallons ☐ Unknown — E. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

F. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☐ 01 Yes ☒ 02 No If Yes, Check appropriate box(es):
☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____
If you answered yes; do not complete Part VIII.

V Container Construction

A. Thickness of Primary Containment: _____ ☐ Gauge ☐ Inches ☐ cm ☒ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum
☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls
☐ 12 Unknown ☐ 13 Other: _____

Container Construction

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☒ 07 Unlined ☐ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection

☐ 04 Unknown ☐ 05 None ☐ 06 tar or asphalt ☒ 09 Other- Asbestos felt

VI Piping

A. Aboveground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☐ 03 Gravity ☒ 04 Pressure ☐ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☐ 07 None

B. Underground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☐ 03 Gravity ☒ 04 Pressure ☐ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☐ 07 None

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-F you are not required to complete this section.

currently stored	previously stored	CAS # (If known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room
☐ 01	☒ 02		Naphtha
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

Person Filing (Signature)	Phone w/area code
Carlos Reaino	(818) 302-1646

For Local Agency Use Only

AGENCY NAME	CITY	COUNTY

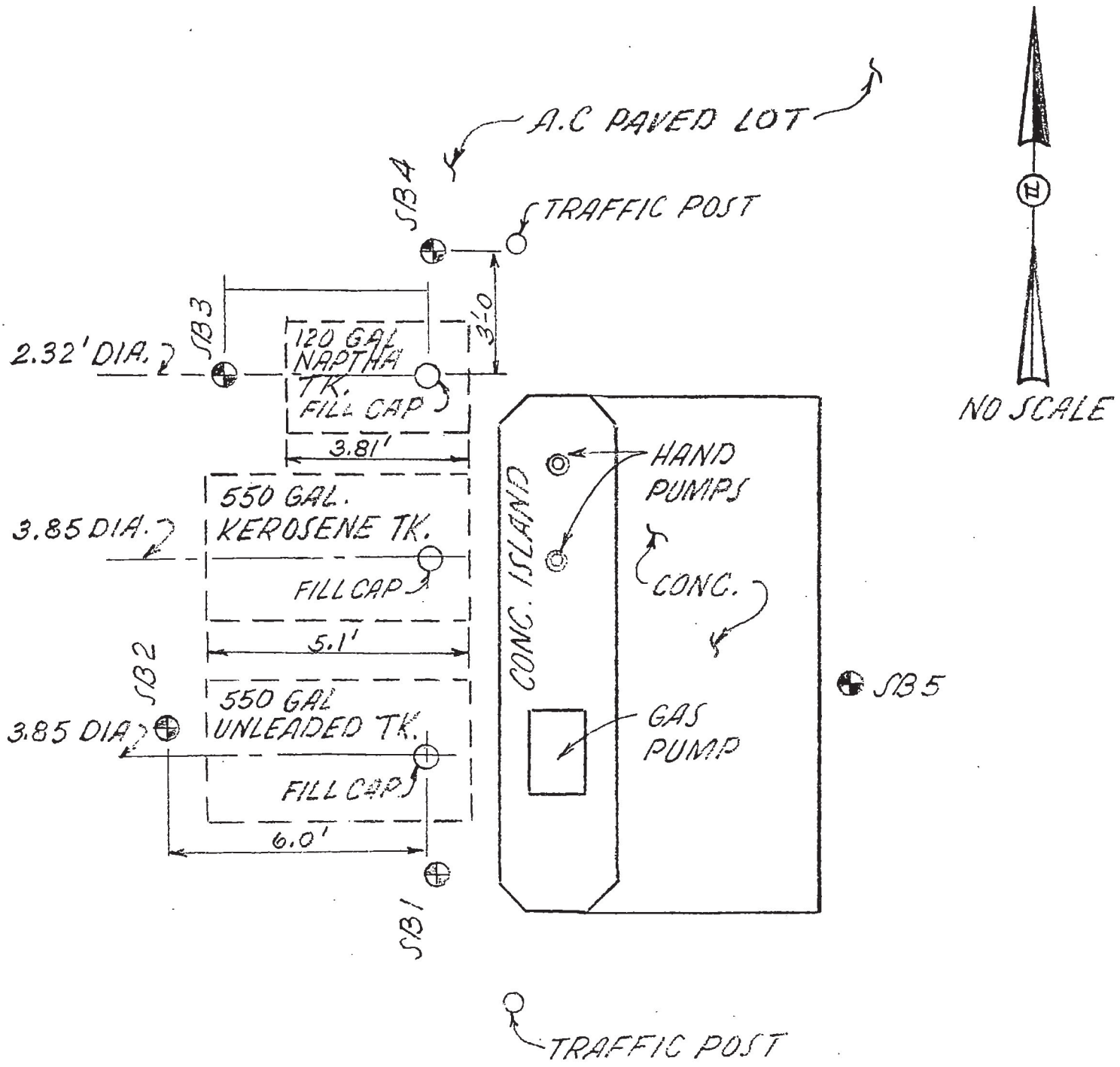
CONTACT PERSON	PHONE W/AREA CODE

INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number

Date Received	☐ 01	☐ 02	☐ 03



KEY

● SOIL TEST BORING LOCATION

ETIWANDA GEN. STA.

TANK LOCATION PLAN

FIGURE 2.

BP File

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

HAZARDOUS MATERIALS DIVISION
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153

RICHARD W. SEWELL
Fire Chief
County Fire Warden

July 30, 1997

Southern California Edison
8996 Etiwanda Ave.
Etiwanda, CA 91739

Attention: Paul Lacroix

Subject: Arrangements and Agreements for Emergency Response

In response to your concern regarding the requirement to establish arrangements and agreements with emergency response agencies, following is information regarding the organization of the San Bernardino County Interagency Hazardous Materials Response Team, the duties of the Hazardous Materials Division as your administering agency, and the requirements met by the business plan.

The Hazmat Team

The San Bernardino County Interagency Response team coordinates the deployment of emergency response supplies, equipment, and qualified hazardous materials responders in the County. The team consists of approximately 110 members from the Hazardous Materials Division and from local fire agencies who train and respond together to provide County-wide hazardous materials emergency response capabilities.

The Business Plan

As the administering agency, this Division receives and reviews the business emergency/contingency plans and the annual inventory updates for facilities in San Bernardino County (except within the incorporated cities of Victorville and Hesperia). The administering agency also prepares emergency plans & procedures, equips, trains, and has the necessary legal authority to perform hazardous material emergency response. For a more detailed description of these responsibilities, see Article 1 of Chapter 6.95 of the CA Health and Safety Code.

The business plan submissions not only satisfy the requirements under the California law (Chapter 6.95), they also meet the requirement to submit Tier II forms under the Emergency Planning and Community Right to Know Act (EPCRA) also known as Superfund Amendments and Reauthorization Act (SARA) Title III. If prepared correctly, these plans also can be used to meet the requirement for contingency plans under the hazardous waste control law of CA Health and Safety Code Chapter 6.5, California Code of Regulations Title 22, and Code of Federal Regulations Title 40.

As you know, the business plan and all updates are provided to the local fire departments. Through this Division, the business plan information is available to the Interagency Team for emergency use. Business plan information is also given to the Chemical Emergency Planning and Response Commission (CEPRC), established by the Governor as the State Emergency Response Commission (SERC) under EPCRA, and to the Local Emergency Planning Committee (LEPC) upon request. Thus all parties

JAMES F. FLAWER
Chief Administrative Officer

MARSHA
First District
Second District
BARBARA CRAM
Third District
Fourth District

receive the information required for emergency management and community right to know by submitting and updating the business plan with the administering agency.

Additional Arrangements
Within this jurisdiction, the Interagency Team will respond to hazardous materials emergencies. At fixed facilities the business plan information is used to support response decisions. Thus, by submitting the business plan, you have made the minimal arrangements with this agency. (Note that financial arrangements are not assumed -- cost recovery is dictated by applicable laws, regulations, and policies.)

To further develop this arrangement, SCE may:

1. Include a statement in the arrangement & agreement section of the business emergency/ contingency plan that acknowledges the Interagency Team as the public emergency response organization for chemical emergencies. Also list any arrangements with hospitals, emergency contractors, etc.

2. Develop and implement additional policies for notifying, providing access to, and working with, the Interagency Team in the event of an emergency.

3. Continue or expand participation in the San Bernardino County Hazardous Materials Responders Association (members are public and private sector responders). SCE currently participates in this group.

4. Arrange a walk-through or training exercise with the Interagency Team, by contacting Joe Sanchez, (909) 986-8610, Training Chair, Hazardous Materials Responders Association.

I hope this satisfies your requirements for documenting the arrangement that exists to provide community emergency response to chemical emergencies at fixed facilities.

If you have any further questions, please call me at (909) 387-4631.

Marilyn Kraft

Marilyn Kraft, MBA, REHS
Emergency Response and Enforcement
Hazardous Materials Management Division

Reliant Energy

P.O. Box 4567
Houston, TX 77210-4567
713 207 3000

April 30, 2001

CERTIFIED MAIL

Mr. Wayne Williams
San Bernardino County Fire
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

Ms. Ann Marie Nelson
Santa Barbara County Protection Services Division
Hazardous Materials Unit
4410 Cathedral Oaks Road
Santa Barbara, CA 93110

COUNTY FIRE
HAZARDOUS MATERIALS
01 MAY 16 PM 1:31

RE: RELIANT ENERGY, INC.
UST CERTIFICATION OF FINANCIAL RESPONSIBILITY

Dear CUPA Official:

Attached is a notarized copy of the State of California Certification of Financial Responsibility form for underground storage tanks owned by Reliant Energy, Inc. as required by Section 2809, Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations. Also attached is the Chief Financial Officer letter indicating that all requirements of self-insurance have been met (40 CFR Section 280.95).

Should you have any questions or require additional information, please contact Mr. Roger Moreno at 713/945-8058.

Sincerely,

R.W. Lawhn, Director
Environmental, Safety, and Industrial Health
Western Division

Attachments

JCYMDR.HC.ALUSTI2.UP6

State of California
State of Water Resources Control Board
Division of Clean Water Programs
P.O. Box 944212
Sacramento, CA 94244-2120

(Instructions on reverse side)

For State Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the Required amounts as specified in Section 2807, Chapter 18, Div. 3, Title 23, CCR:

☐ 500,000 dollars per occurrence or ☒ 1 million dollars per occurrence AND ☐ 1 million dollars annual aggregate or ☒ 2 million dollars annual aggregate

B. *Reliant Energy, Inc.* *hereby certifies that it is in compliance with the requirements of Section 2807,*
(Name of Tank Owner or Operator)
Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
Chief Financial Officer Letter	Reliant Energy, Inc. P.O. Box 1700 Houston, TX 77251	N/A for this mechanism	$1,000,000 per occurrence and $2,000,000 annual aggregate	Annual	Yes	Yes

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance with all conditions for participation in the Fund.

D. Facility Name	Facility Address
Coolwater Generating Station	3700 Santa Fe St. Daggett, CA 92327
Ellwood Generating Station	30 Las Armas Rd. Goleta, CA 93117
Etiwanda Generating Station	8996 Etiwanda Ave. Rancho Cucamonga, CA 91739

E. Signature of Tank Owner or Operator / Date	Name and Title of Tank Owner or Operator
R.W. Lawhn 5/2/01	R.W. Lawhn, Director Environmental, Safety, & Industrial Health Western Division
Signture of Witness or Notary / Date: Tammie Barger 5-2-01	Name of Witness or Notary: Tammie Barger

TAMMIE BARGER
NOTARY PUBLIC STATE OF TEXAS
MY COMMISSION EXPIRES June 15, 2003

CFR (Revised 04/95) **FILE: Original - Local Agency** **Copies - Facility/Site(s)**

Reliant Energy

bc: Tom Snowden/Julie Babcock (ELGS)
Danny Ross/Kim Brown (ETGS)
Danny Ross/Gene Gordon (CWGS)

P.O. Box 4567
Houston, TX 77210-4567
713 207 3180
Fax: 713 207 5503

April 30, 2001

U.S. Environmental Protection Agency
Region IX, Regional Administrator
75 Hawthorne Street
San Francisco, CA 94105

Mr. Wayne Williams
San Bernardino County Fire
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

California Department of Health Services
714 P Street
P.O. Box 942732
Sacramento, CA 94234-7320

Judy Nash
State Water Resources Control Board
2014 "T" Street, Suite 130
Sacramento, CA 95814

Ms. Ann Marie Nelson
Santa Barbara County Protection Services Division
Hazardous Materials Unit
4410 Cathedral Oaks Road
Santa Barbara, CA 93110

Subject: Financial Responsibility for Underground Storage Tanks

Dear Sirs:

I am the Chief Financial Officer of Reliant Energy, Inc. at P.O. Box 4567, Houston, Texas 77210. This letter is in support of the use of the financial test of self-insurance to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by sudden accidental releases or nonsudden accidental releases in the amount of at least $1 million per occurrence and $2 million annual aggregate arising from operating underground storage tanks.

Underground storage tanks at the following facilities are assured by this financial test or a financial test under an authorized State program by this owner:

RELIANT ENERGY, INC
CALIFORNIA FACILITIES WITH UNDERGROUND STORAGE TANKS ASSURED BY THIS FINANCIAL TEST

FACILITY NAME	STREET	CITY	COUNTY
Coolwater Generating Station	37000 Santa Fe St	Daggett	San Bernardino

Ellwood Generating Station	30 Las Armas Rd	Goleta	Santa Barbara
Etiwanda Generating Station	8996 Etiwanda Ave	Rancho Cucamonga	San Bernardino

A financial test is also used by this owner to demonstrate evidence of financial responsibility in the following amounts under other EPA regulations or state programs authorized by EPA under 40 CFR Parts 271 and 145:

EPA REGULATIONS	AMOUNT
Closure (§§264.143 and 265.143)	$0
Post-Closure Care (§§264.145 and 265.145)	$0
Liability Coverage (§§264.147 and 265.147)	$0
Corrective Action (§§264.101(b))	$0
Plugging and Abandonment (§§144.63)	$0
Closure	$0
Post-Closure Care	$0
Liability Coverage	$0
Corrective Action	$0
Plugging and Abandonment	$0
Total	$0

This owner has not received an adverse opinion, a disclaimer of opinion, or a "going concern" qualification from an independent auditor on his financial statements for the latest completed fiscal year.

ALTERNATIVE II

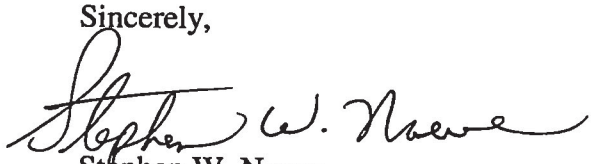
1.	Amount of annual UST aggregate coverage being assured by a financial test, and/or guarantee	$ 2,000,000
2.	Amount of corrective action closure and post-closure care costs, liability coverage and plugging and abandonment costs covered by a financial test, and/or guarantee	$ 0
3.	Sum of lines 1 and 2	$ 2,000,000
4.	Total tangible assets	**$28,996,039,000**
5.	Total liabilities [if any of the amount reported on line 3 is included in total liabilities, you may deduct that amount from this line and add that amount to line 6]	**$26,594,686,000**
6.	Tangible net worth [subtract line 5 from line 4]	**$2,401,353,000**
7.	Total assets in the U.S. (Required only if less than 90 percent of assets located in the U.S.)	
8.	Is line 6 at least $10 million	YES
9.	Is line 6 at least 6 times line 3	YES
	Are at least 90 percent of assets located in the U.S. (If "No", complete	

10.	line 11).....	YES
11.	Is line 7 at least 6 time line 3? [Fill in either lines 12-15 or lines 16-18]	N/A
12.	Current assets.....	
13.	Current liabilities	
14.	Net working capital [subtract line 13 from 12].....	
15.	Is line 14 at least 6 times line 3?.	
16.	Current bond rating of most recent bond issue.....	BBB/Baa2*
17.	Name of rating service...	S&P/Moody's
18.	Date of maturity bond....	9/25/ 29
19.	Have financial statements from the latest fiscal year been filed with the SEC, Energy Information Administration, or the Rural Electrification Administration?	YES

* Currently on watch list

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR Part 280.95 (d) as such regulations were constituted on the date shown immediately below.

Sincerely,



Stephen W. Naeve

bc: Tom Snowdon/Julie Babcock (ELGS)
Danny Ross/Paul Lacroix (ETGS)
Danny Ross/Gene Gordon (CWGS)

Reliant Energy

Stephen W. Naeve
Vice Chairman and
Chief Financial Officer

P.O. Box 4567
Houston, TX 77210-4567
713 207 3180
Fax: 713 207 5503

April 25, 2000

U.S. Environmental Protection Agency
Region IX, Regional Administrator
75 Hawthorne Street
San Francisco, CA 94105

Mr. Wayne Williams
San Bernardino County Fire
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

California Department of Health Services
714 P Street
P.O. Box 942732
Sacramento, CA 94234-7320

Judy Nash
State Water Resources Control Board
2014 "T" Street, Suite 130
Sacramento, CA 95814

Ms. Ann Marie Nelson
Santa Barbara County Protection Services Division
Hazardous Materials Unit
4410 Cathedral Oaks Road
Santa Barbara, CA 93110

Subject: Financial Responsibility for Underground Storage Tanks

To Whom It May Concern:

I am the Chief Financial Officer of Reliant Energy, Inc. at P.O. Box 4567, Houston, Texas 77210. This letter is in support of the use of the financial test of self-insurance to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by sudden accidental releases or nonsudden accidental releases in the amount of at least $1 million per occurrence and $2 million annual aggregate arising from operating underground storage tanks.

Underground storage tanks at the following facilities are assured by this financial test or a financial test under an authorized State program by this owner:

RELIANT ENERGY, INC
CALIFORNIA FACILITIES WITH UNDERGROUND STORAGE TANKS ASSURED BY THIS FINANCIAL TEST

FACILITY NAME	STREET	CITY	COUNTY
Coolwater Generating Station	37000 Santa Fe St	Daggett	San Bernardino
Ellwood Generating Station	30 Las Armas Rd	Goleta	Santa Barbara
Etiwanda Generating Station	8996 Etiwanda Ave	Rancho Cucamonga	San Bernardino

A financial test is also used by this owner to demonstrate evidence of financial responsibility in the

following amounts under other EPA regulations or state programs authorized by EPA under 40 CFR Parts 271 and 145:

EPA REGULATIONS	AMOUNT
Closure (§§264.143 and 265.143)	$0
Post-Closure Care (§§264.145 and 265.145)	$0
Liability Coverage (§§264.147 and 265.147)	$0
Corrective Action (§§264.101(b))	$0
Plugging and Abandonment (§§144.63)	$0
Closure	$0
Post-Closure Care	$0
Liability Coverage	$0
Corrective Action	$0
Plugging and Abandonment	$0
Total	$0

This owner has not received an adverse opinion, a disclaimer of opinion, or a "going concern" qualification from an independent auditor on his financial statements for the latest completed fiscal year.

ALTERNATIVE II

1.	Amount of annual UST aggregate coverage being assured by a financial test, and/or guarantee	$ 2,000,000
2.	Amount of corrective action closure and post-closure care costs, liability coverage and plugging and abandonment costs covered by a financial test, and/or guarantee	,$ 0
3.	Sum of lines 1 and 2	$ 2,000,000
4.	Total tangible assets	$23,186,575,000
5.	Total liabilities [if any of the amount reported on line 3 is included in total liabilities, you may deduct that amount from this line and add that amount to line 6]	$20,914,604,000
6.	Tangible net worth [subtract line 5 from line 4]	$ 2,271,971,000
7.	Total assets in the U.S. (Required only if less than 90 percent of assets located in the U.S.)	
8.	Is line 6 at least $10 million	YES
9.	Is line 6 at least 6 times line 3	YES
10.	Are at least 90 percent of assets located in the U.S. (If "No", complete line 11)	YES
11.	Is line 7 at least 6 time line 3? [Fill in either lines 12-15 or lines 16-18]	N/A

12.	Current assets.....	
13.	Current liabilities	
14.	Net working capital [subtract line 13 from 12].....	
15.	Is line 14 at least 6 times line 3?.	
16.	Current bond rating of most recent bond issue.....	BBB/Baa1*
17.	Name of rating service...	S&P/Moody's
18.	Date of maturity bond....	October 1, 2015
19.	Have financial statements from the latest fiscal year been filed with the SEC, Energy Information Administration, or the Rural Electrification Administration?	YES

* Currently on watch list

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR Part 280.95 (d) as such regulations were constituted on the date shown immediately below.

Sincerely,

Stephen W. Neese

Reliant Energy

P.O. Box 4567
Houston, Texas 77210-4567
Phone: 713 207 3000

April 27, 2000

CERTIFIED MAIL

Mr. Wayne Williams
San Bernardino County Fire
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

Ms. Ann Marie Nelson
Santa Barbara County Protection Services Division
Hazardous Materials Unit
4410 Cathedral Oaks Road
Santa Barbara, CA 93110

RE: RELIANT ENERGY, INC.
UST CERTIFICATION OF FINANCIAL RESPONSIBILITY

Dear CUPA Official:

Attached is a notarized copy of the State of California Certification of Financial Responsibility form for underground storage tanks owned by Reliant Energy, Inc. as required by Section 2809, Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations. Also attached is the Chief Financial Officer letter indicating that all requirements of self-insurance have been met (40 CFR Section 280.95).

Should you have any questions or require additional information, please contact Mr. Doug Harris at 713/945-8212.

Sincerely,

for R.T. Bye, Manager
Environmental Assessment &
Waste Management
Environmental Department

Attachments

J:\CMS\DRJ\CALUSTJ2.WP6

COUNTY FIRE
HAZARDOUS MATERIALS
00 MAY -3 PM 3:16

State of California
State of Water Resources Control Board
Division of Clean Water Programs
P.O. Box 944212
Sacramento, CA 94244-2120

(Instructions on reverse side)

For State Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the Required amounts as specified in Section 2807, Chapter 18, Div. 3, Title 23, CCR:

☐ 500,000 dollars per occurrence
or
☒ 1 million dollars per occurrence

AND

☐ 1 million dollars annual aggregate
or
☒ 2 million dollars annual aggregate

B. Reliant Energy, Inc. *hereby certifies that it is in compliance with the requirements of Section 2807,*
(Name of Tank Owner or Operator)
Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
Chief Financial Officer Letter	Reliant Energy, Inc. P.O. Box 1700 Houston, Texas 77251	N/A for this mechanism	$1,000,000 per occurrence and $2,000,000 annual aggregate	Annual	Yes	Yes

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance with all conditions for participation in the Fund.

D. Facility Name	Facility Address
Coolwater Generating Station	37000 Santa Fe St. Daggett, CA 92327
Ellwood Generating Station	30 Las Armas Rd. Goleta, CA 93117
Etiwanda Generating Station	8996 Etiwanda Ave. Rancho Cucamonga, CA 91739

E. Signature of Tank Owner or Operator / Date	Name and Title of Tank Owner or Operator
R.T. Bye 4-25-2000	R. T. Bye, Manager
Signture of Witness or Notary / Date: Gloria Forster 4-25-2000	Name of Witness or Notary: Gloria Forster

GLORIA FORSTER
MY COMMISSION EXPIRES
July 26, 2001

CFR (Revised 04/95)

FILE: Original - Local Agency

Copies - Facility/Site(s)

Reliant Energy

Stephen W. Naeve
Executive Vice President and
Chief Financial Officer

P.O. Box 4567
Houston, TX 77210-4567
713 207 3180
Fax 713 207 5503

April 29, 1999

U.S. Environmental Protection Agency, Region IX
Regional Administrator
75 Hawthorne Street
San Francisco, CA 94105

Mr. Wayne Williams
San Bernardino County Fire
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

California Department of Health Services
714 P Street
P.O. Box 942732
Sacramento, CA 94234-7320

Mr. Joe Zarnoch
City of Oxnard
Fire Administration Office
251 South C Street
Oxnard, CA 93030

Ms. Ann Marie Nelson
Santa Barbara County Protection Services Division
Hazardous Materials Unit
4410 Cathedral Oaks Road
Santa Barbara, CA 93110

Subject: Financial Responsibility for Underground Storage Tanks

Dear Sirs:

I am the Chief Financial Officer of Reliant Energy, Inc. (trade name for Houston Industries Inc.) at P.O. Box 4567, Houston, Texas 77210. This letter is in support of the use of the financial test of self-insurance to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by sudden accidental releases or nonsudden accidental releases in the amount of at least $1 million per occurrence and $2 million annual aggregate arising from operating underground storage tanks.

Underground storage tanks at the following facilities are assured by this financial test or a financial test under an authorized State program by this owner:

RELIANT ENERGY, INC
CALIFORNIA FACILITIES WITH UNDERGROUND STORAGE TANKS ASSURED BY THIS FINANCIAL TEST

FACILITY NAME	STREET	CITY	COUNTY
Coolwater Generating Station	37000 Santa Fe St	Daggett	San Bernardino
Ellwood Generating Station	30 Las Armas Rd	Goleta	Santa Barbara
Etiwanda Generating Station	8996 Etiwanda Ave	Rancho Cucamonga	San Bernardino
Mandalay Generating Station	393 N. Harbor Blvd	Oxnard	Ventura

A financial test is also used by this owner to demonstrate evidence of financial responsibility in the following amounts under other EPA regulations or state programs authorized by EPA under 40 CFR Parts 271 and 145:

EPA REGULATIONS	AMOUNT
Closure (§§264.143 and 265.143)	$0
Post-Closure Care (§§264.145 and 265.145)	$0
Liability Coverage (§§264.147 and 265.147)	$0
Corrective Action (§§264.101(b))	$0
Plugging and Abandonment (§§144.63)	$0
Closure	$0
Post-Closure Care	$0
Liability Coverage	$0
Corrective Action	$0
Plugging and Abandonment	$0
Total	$0

This owner has not received an adverse opinion, a disclaimer of opinion, or a "going concern" qualification from an independent auditor on his financial statements for the latest completed fiscal year.

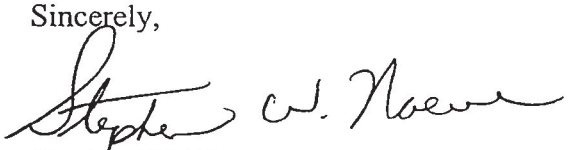
ALTERNATIVE II

1.	Amount of annual UST aggregate coverage being assured by a financial test, and/or guarantee	$ 2,000,000
2.	Amount of corrective action closure and post-closure care costs, liability coverage and plugging and abandonment costs covered by a financial test, and/or guarantee	$ 0
3.	Sum of lines 1 and 2	$ 2,000,000
4.	Total tangible assets	$17,039,632,000
5.	Total liabilities [if any of the amount reported on line 3 is included in total liabilities, you may deduct that amount from this line and add that amount to line 6]	$14,816,654,000
6.	Tangible net worth [subtract line 5 from line 4]	$ 2,222,978,000
7.	Total assets in the U.S. (Required only if less than 90 percent of assets located in the U.S.)	
8.	Is line 6 at least $10 million	YES
9.	Is line 6 at least 6 times line 3	YES
10.	Are at least 90 percent of assets located in the U.S. (If "No", complete line 11)	YES
11.	Is line 7 at least 6 time line 3? [Fill in either lines 12-15 or lines 16-18]	N/A

12.	Current assets	
13.	Current liabilities	
14.	Net working capital [subtract line 13 from 12]	
15.	Is line 14 at least 6 times line 3?	
16.	Current bond rating of most recent bond issue	BBB+/BAA1
17.	Name of rating service	Moody's
18.	Date of maturity bond	October 1, 2015
19.	Have financial statements from the latest fiscal year been filed with the SEC, Energy Information Administration, or the Rural Electrification Administration?	YES

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR Part 280.95 (d) as such regulations were constituted on the date shown immediately below.

Sincerely,



Stephen W. Naeve
Executive Vice President
and Chief Financial Officer
April 29, 1999

J:\ENV\DRH\CALUSTFI.WP6

Reliant Energy

April 29, 1999

Mr. Wayne Williams
San Bernardino County Fire
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

Mr. Joe Zarnoch
City of Oxnard
Fire Administration Office
251 South C Street
Oxnard, CA 93030

Ms. Ann Marie Nelson
Santa Barbara County Protection Services Division
Hazardous Materials Unit
4410 Cathedral Oaks Road
Santa Barbara, CA 93110

COUNTY FIRE
HAZARDOUS MATERIALS
99 APR 30 PM 10: 29

RE: RELIANT ENERGY, INC. (TRADE NAME FOR HOUSTON INDUSTRIES INC.) UST CERTIFICATION OF FINANCIAL RESPONSIBILITY

Dear CUPA Official:

Attached is a notarized copy of the State of California Certification of Financial Responsibility form for underground storage tanks owned by Reliant Energy, Inc. as required by Section 2809, Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations. Also attached is the Chief Financial Officer letter indicating that all requirements of self-insurance have been met (40 CFR Section 280.95).

Should you have any questions or require additional information, please contact Mr. Doug Harris at 713/945-8212.

Sincerely,

R.T. Bye

R.T. Bye, Manager
Environmental Assessment &
Waste Management
Environmental Department

Attachments

J:\ENV\DRH\CALUSTF2.WP6

State of California
State Water Resources Control Board

For Regulatory Agency Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the required amounts as specified in Section 2807, Chapter 18, Div. 3, Title 23, CCR:

[ ] 500,000 dollars per occurrence or [X] 1 million dollars per occurrence AND [ ] 1 million dollars annual aggregate or [X] 2 million dollars annual aggregate

B. * Reliant Energy, Inc. *hereby certifies that it is in compliance with the requirements of Section 2807,*
(Name of Tank Owner or Operator)
Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp.
Chief Financial Officer Letter	Reliant Energy, Inc. P.O. Box 1700 Houston, Texas 77251	N/A for this mechanism	$1,000,000 per occurrence and $2,000,000 annual aggregate	Annual	Yes	Yes
*TRADE NAME	FOR HOUSTON INDUSTRIES INC.					

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance with all conditions for participation in the Fund.

D. Facility Name	Facility Address
Coolwater Generating Station	37000 Santa Fe St Daggett, CA 92327
Ellwood Generating Station	30 Las Armas Rd. Goleta, CA 93117
Etiwanda Generating Station	8996 Etiwanda Ave. Rancho Cucamonga, CA 91739
Mandalay Generating Station	393 N. Harbor Blvd. Oxnard, CA 93035

GLORIA FORSTER
MY COMMISSION EXPIRES
July 26, 2001

E. Signature of Tank Owner or Operator	Date	Name and Title of Tank Owner or Operator
R.T. Bye	4-28-99	R.T. Bye, Manager
Signature of Witness or Notary	Date	Name of Witness or Notary
Gloria Forster	4-28-99	Gloria Forster

FILE: Original – Local Agency Copies – Facility Site(s)

Office Fire, Haz Mat San Bernardino County

San Bernardino, Calif., Jan 3 19 99

DUPLICATE

1584302

RECEIVED FROM CPCI $ 450.00

Four hundred fifty & 00/100 DOLLARS

Court Etiwanda Generating Sta Case Name 8996 Etiwanda Gen. RC vs.

Cst # 8600879

Case No. 010300-02

SKX 1106	NATURE OF FEES		
155 - 222804	Removal 1 Tank	450	00
	025899		
☑ CASH ☐ ~~CHECK~~ ☐ MONEY ORDER		450	00

Pat McCasler
(SIGNATURE)

Clk II
(TITLE)

01-188A-123 REV. 3-80

10-83

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 North Arrowhead Avenue, Second Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 Fax (909) 387-4323

UNDERGROUND STORAGE TANK INSPECTION REPORT

Facility Name: MOUNTIAN VISTA POWER GENERATION, L.L.C. Date: 10-14-98
Street Address: 8996 ETIWANDA Est. No. 8600879
City: ETIWANDA Zip Code: 91739 Number of Tanks: 1
Facility Contact: PAUL LACROIX Facility Phone No.: 899-7253 Number of Employees:

Refer to Title 23 of the California Code of Regulations (CCR), Chapters 6.7 of the Health and Safety Code (CHSC). The following Code sections are either in Violation (V) of, or in Compliance (C) with, Underground Storage Tank laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

GENERAL REQUIREMENTS		V	C	N
1. Failure to obtain UST Permits	CHSC 25284(a)		✓	
2. Failure to pay Permit Fees	CHSC 25287(a)		✓	
3. No Form A and B submitted	CHSC 25286(a)		✓	
4. Monitoring/Maintenance Records unavailable	CCR 2712(b)		✓	
5. Failure to correct prior UST Violations	CCR 2712(f)		✓	
6. No Owner/Operator Agreement	CHSC 25293(b)			✓
7. No Certification of Financial Responsibility	CHSC 25292.2(a)	✓		
8. Failure to report Change in Ownership	CCR 2712(d)		✓	
9. Failure to properly monitor UST	CHSC 25293		✓	
10. Failure to establish/implement a Bus. Plan	CHSC 25503.5		✓	
MONITORING OF EXISTING UST SYSTEM (PRE 1984)				
Monitoring in General:				
15. No Leak-Detection Monitoring Plan	CCR 2641(a)			
16. Failure to establish a Response Plan	CCR 2641(h)			
17. Failure to install Monitoring System	CHSC 25292(a)			
18. Failure to conduct Annual Precision Tests	CHSC 25292(b)			
19. Precision Test Results not submitted	CCR 2643(g)			
20. Monitoring Devices not maintained annually	CCR 2641(j)			
Piping:				
25. Pressurized Piping not tested annually	CHSC 25292(e)			
26. No in-line Leak Detector Installed (Press/Pipe)	CHSC 25292(e)			
27. Suction Piping not tested every 3 years	CCR 2643(d)			
28. Gravity piping not tested every 2 years	CCR 2643(e)			
Inventory Reconcilliation:				
30. No Monthly Inventory Reconcilliation	CCR 2646(c)			
31. No Annual Inventory Reconcilliation	CCR 2646(g)			
32. Failure to calibrate Meters Annually	CCR 2646(i)			
33. Failure to conduct Manual Tank Gauging	CCR 2645(b)			
MONITORING OF NEW UST SYSTEMS (1984 to Present)				
35. No Leak-Detection Monitoring Plan	CCR 2632(b)	✓		
36. Failure to develop a Response Plan	CCR 2632(d)(2)	✓		
37. Failure to annually certify Monitoring System	CHSC 25288(b)		✓	
38. Pressurized Piping not maintained/tested	CCR 2636(f)			✓
39. Failure to provide Overfill/Spill Protection	CHSC 25291(c)		✓	
40. Visual/Audible Alarms not operational	CCR 2632(c)(2)		✓	
UNAUTHORIZED RELEASES AND ABANDONMENTS				
45. Ops. resulting in Unauthorized Release	CHSC 25292.1(a)			✓
46. Failure to report/record Unauthorized Release	CCR 2650			✓
47. Unlawful abandonment of USTs	CHSC 25298(a)			✓
48. Unlawful closure of USTs	CHSC 25298(c)			✓
49. Failure to properly temporarily close UST	CHSC 25298(b)			✓
50. Failure to respond to Unauthorized Release	CCR 2652			✓

NARRATIVE/CORRECTIONS

Facility has one underground storage tank for diesel fueling. The tank is a 550 gallon owens corning fiberglass installed in April 1996.

System is monitored by a LeakAlert LA-08 system RV Rodriguez certified monitoring system 6/98.

The system is equipped with a hytrel liner system which must meet certain requirements in order to meet standard:
① Must demonstrate liner provides containment under dispensers and isolation of flex +/or swing joints;
② must demonstrate liner is fluid tight;
③ Must demonstrate monitor can identify any leaks at lowest point of containment & must shut down turbine/pump in alarm mode;

$1,52

☒ Inspection 1.5 ☐ Reinspection ____ C.D. Date ____
☐ Complaint ____ ☐ *NOV Issued ____ Total Time ____
E-Mail Address ____

☐ **NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ____ DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.**

Inspector: Kathleen Alvarez Received By ____ Title ____

Certified Unified Program Agency
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 North Arrowhead Avenue, 2nd Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 Fax (909) 387-4323

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
Mountian Vista Power, LLC	8996 Etiwanda, Etiwanda

(4) Must be able to remove any residual fluids from containment system;
(5) must isolate metal piping, adapters, fittings from backfill materials;
(6) must have leak detectors).

If the above cannot be demonstrated, the system cannot be certified as 98 compliant. There is no dispenser containment & piping is in contact with the backfill.

The system will need to have submitted a new leak detection monitoring plan and a new State form A and certification of financial responsability All forms are included with this report.

If you have any questions, contact this office at (909) 387-3082.

Kathleen M Alvarez
Inspector

10-14-98
Date

Received By

Title

DISTRIBUTION: White – Facility
Canary – File
Pink – Inspector

15-17189-670 Rev. 7/97

Bernardino County Fire Departme
Hazardous Materials Division ● Field Services/Environmental Protection
385 North Arrowhead Avenue, Second Floor, San Bernardino, CA 92415-0153
(909) 387-3080 Fax (909) 387-4323

UNDERGROUND STORAGE TANK MECHANICAL INSPECTION CHECKLIST

Facility Name MT. VISTA POWER GENERATION, L.L.C.

Establishment Number 860008879 Date 10-15-98

Owners and operators shall maintain records of repairs, linings and upgrades that demonstrate compliance with the requirements for upgrade for the remaining life of the tank.

DOUBLE WALL TANKS/DOUBLE WALL FIBERGLASS PIPING

TURBINE SUMPS
- Sealed ☐
- Electronic ☐
- Shut Down ☐

Dispenser Containment
- Mechanical ☐
- Monitored ☐
- Shut Down ☐

Fill Sumps
- Sealed ☐
- Type ☐
- Shut Down ☐

ANNULAR SPACE
- Mechanical ☐
- Monitored ☐
- Shut Down ☐

MONITORING SYSTEM
- Certified ☐
- Date _____
- Type _____

OVERFILL ☐

FILL/SPILL BOX ☐

STRIKER PLATES ☐

DOUBLE WALL TANKS/SINGLE WALL FIBERGLASS PIPING

TURBINE SUMPS
- Sealed ☐
- Monitored ☐
- Shut Down ☐

Fill Sumps
- Sealed ☐
- Monitored ☐
- Shut Down ☐

PIPING LEAK DETECTORS
- Electronic ☐
- Shut Down ☐

ANNULAR SPACE
- Monitored ☐
- Shut Down ☐

MONITORING SYSTEM
- Certified ☐
- Date _____

Dispensers Containment
- Mechanical ☐
- Electronic ☐
- Shut Down ☐

OVERFILL ☐

FILL/SPILL BOX ☐

STRIKER PLATES ☐

SINGLE WALL STEEL TANKS

LINING
- Type ☐
- Date _____
- Re-Cert _____

CORROSION PROTECTION
- Sac Anoded ☐
- Impress Current ☐
- Certification ☐

TANK MONITOR
- ATG ☐
- SIR ☐

PIPING
- Double Wall ☐
- Monitor ☐
- Leak Detectors ☐

SINGLE WALL STEEL TANKS (Continued)

TURBINE SUMPS	Sealed	☐	**MONITORING SYSTEM**	Certified	☐
	Monitored	☐		Date _____	
	Shut Down	☐			
Fill Sumps	Sealed	☐	**OVERFILL TYPE**	Drop Tubes	☐
	Monitored	☐		Ball Floats	☐
	Shut Down	☐		Alarm	☐
Dispenser Containment	Mechanical	☐	**FILL/SPILL BOX**	Yes	☐
	Electronic	☐		No	☐
	Shut Down	☐			
			STRIKER PLATES		☐

SINGLE WALL FIBERGLASS/SINGLE WALL FIBERGLASS PIPING

TURBINE SUMP	Sealed	☐	**TANK MONITOR**	ATG	☐
	Monitored	☐		SIR	☐
	Shut Down	☐			
Fill Sumps	Sealed	☐	**OVERFILL TYPE**	Drop Tube	☐
	Monitored	☐		Ball Floats	☐
	Shut Down	☐		Alarm	☐
Dispenser Containment	Mechanical	☐	**FILL/SPILL BOX**	Yes	☐
	Electronic	☐		No	☐
	Shut Down	☐			
PIPING LEAK DETECTORS	Electronic	☐	**STRIKER PLATES**		☐
	Shut Down	☐			

COMMENTS: 1-548 gallon oc fiberglass piping/UST
liquid alarms on tank + lines
has hytrayl liner system

6/98- RY Rodriguez certified monitoring system
Leak Alert LA-08

Deeds: LDMP
Financial Responsability

Date 11/5 Hour 10:00

To Kathleen A.

WHILE YOU WERE OUT

From Carlos Rodriguez

Of Arco

Phone (714) 670-5402

Telephoned		Returned Call		Please Call	✓
Please See Me		Will Call Again		Important	

Message

Re: Station 9692

Signed

AIGNER RECORDER NO. 50-726

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL℠ Company

COUNTY FIRE
HAZARDOUS MATERIALS
98 JUN -8 PM 2:13

June 4, 1998

Ms. Kathleen Alvarez
San Bernardino County Fire Department
Hazardous Materials Division
385 N. Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415-0153

VIA FAX

SUBJECT: BILLING/ OWNERSHIP ADDRESSES FOR DIVESTED EDISON POWER PLANTS

Ms. Alvarez:

In order to clarify the billing and ownership questions regarding the addresses of the divested and retained properties in San Bernardino County, below is a table of the former Edison sites and establishment numbers and the new owner and billing addresses:

OLD SCE NAME	NEW OWNER - REFLECTED ON PERMIT	NEW BILLING/ MAILING ADDRESS
Southern California Edison Co. Etiwanda Generating Station 8996 Etwianda Ave. Etiwanda, CA 91739 Est. No. 86008879	Houston Industries, Inc. Mountain Vista Power Generation, LLC 8996 Etiwanda Ave. Etiwanda, CA 91739	Mountain Vista Power Generation, LLC 8996 Etiwanda Ave. Etiwanda, CA 91739 Attn: Paul Lacroix
Southern California Edison Co. Cool Water Generating Station 37000 Santa Fe St. Daggett, CA 92327 Est. No. 87014400	Houston Industries, Inc. Alta Power, LLC 37000 Santa Fe St. Daggett, CA 92327	Houston Industries, Inc. Alta Power, LLC 37000 Santa Fe St. Daggett, CA 92327 Attn: Gene Gordon
Southern California Edison Co. San Bernardino Generating Station 25770 San Bernardino Ave. San Bernardino, CA 92408 Est. No. 86009286	Thermo Ecotek Mountain View Power Co. 25770 San Bernardino Ave. San Bernardino, CA 92408	Thermo Ecotek 245 Winter St., Suite 300 Waltham, MA 02154 Attn: Paul Doherty
Southern California Edison Co. Highgrove Generating Station 12700 Taylor St. Colton, CA 92324 Est. No. 86009722	Thermo Ecotek Riverside Canal Power Co., Inc. 12700 Taylor St. Colton, CA 92324	Thermo Ecotek 245 Winter St., Suite 300 Waltham, MA 02154 Attn: Paul Doherty

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

In addition, with the approval of DTSC, Edison has retained the current US EPA ID numbers as noted in the business emergency plans. These numbers will now be applied the retained portions being managed by Edison Pipeline & Terminal Company (EPTC). Edison will also continue use the existing BOE number provided by the state for both the EPTC and T&D retained properties.

Thank you for your attention to this matter. All responsible parties at Edison and the generating stations are aware of the changes I am requesting. If you have any further questions, please do not hesitate to contact me at 626-302-2153.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
ENVIRONMENTAL AFFAIRS

cc: Mr. Paul Doherty, Thermo Ecotek
Mr. Wayne Williams, San Bernardino County Fire Department
Ms. Pat McCaslin, San Bernardino County Fire Department

R.Y.RODRIGUEZ
GARAGE EQUIPMENT & MAINTENANCE

840 E. Second Street
Pomona, CA. 91766
(909) 622-4508
Lic # 623516

MONITOR CERTIFICATION

CUSTOMER: Mountain Vista Power Generation DATE: 06/10/98

LOCATION: Mountain Vista Power Generation
8996 Etiwanda Ave.
Rancho Cucamonga, Ca. 91739

MANUFACTURER: USD MODEL #:LA-08
SERIAL #: # OF TANKS: 1

ALARMS VISUAL: Okay AUDIBLE: Okay
PRINTER: N/A MODEM: N/A

PROBES	TANKS			
	CENTRIFUGE	DIESEL	WASTE OIL	NEW OIL
IN TANK (LIQUID LEVEL)	-	-	-	-
IN TANK SENSING	-	-	-	-
ANNULAR SPACE SENSING	Okay	-	-	-
SUMP SENSING	-	-	-	-
DISPENSER	-	-	-	-
MONITORING WELL	Okay	-	-	-
MONITORING WELL	-	-	-	-
POSITIVE SHUT OFF Y/N	-	-	-	-

SAFTEY INTRINSIC: Okay Electrical: Okay
PROBE CONNECTIONS: Okay Other: -

REMARKS: Copy sent to ops & agency.

THIS IS TO CERTIFY THAT THE ABOVE MONITOR HAS BEEN TESTED BY AN AUTHORIZED REPRESENTATIVE OF R.Y. RODRIGUEZ GARAGE EQUIPMENT, HAS BEEN ADJUSTED AND/OR CALIBRATED AS NECESSARY, AND IS OPERATING ACCORDING TO MANUFACTURE'S SPECIFICATION.

TECHNICIAN: Richard A J DATE: 06/10/98

COUNTY FIRE
HAZARDOUS MATERIALS
98 JUL -8 AM 11:57

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Etiwanda Generating Stn.
6196 Etiwanda Ave
Etiwanda

COUNTY FIRE
HAZARDOUS MATERIALS
98 MAR -5 PM 3:01

March 3, 1998

SEE ATTACHED DISTRIBUTION LIST

SUBJECT: FINANCIAL RESPONSIBILITY FOR UNDERGROUND STORAGE TANKS

Attached is a copy of the 1998 Annual Financial Test of Self-Insurance for Southern California Edison Company, used to demonstrate financial responsibility for operation of its underground storage tanks.

If you have any questions regarding the document, please contact me at (626) 302-2153.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
ENVIRONMENTAL AFFAIRS

Attachment

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

SOUTHERN CALIFORNIA EDISON

An EDISON INTERNATIONAL Company

March 3, 1998

Environmental Protection Agency, Region IX
California Department of Health Services
Local Agencies with UST Regulatory Authority

Subject: Financial Responsibility for Underground Storage Tanks

I am the Chief Financial Officer of the Southern California Edison Company at 2244 Walnut Grove Avenue, Rosemead, California 91770. This letter is in support of the use of the financial test of self-insurance to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by sudden accidental releases or nonsudden accidental releases in the amount of at least $1 million per occurrence and $2 million annual aggregate arising from operating underground storage tanks.

Underground storage tanks at the following facilities are assured by this financial test or a financial test under an authorized State program by this owner:

SOUTHERN CALIFORNIA EDISON COMPANY
FACILITIES WITH UNDERGROUND STORAGE TANKS ASSURED BY THIS FINANCIAL TEST

File #	FACILITY NAME	STREET	CITY	COUNTY
1	Alamitos Generating Station	690 Studebaker Rd	Long Beach	Los Angeles
2	Alhambra Corporate Warehouse	501 S Marengo	Alhambra	Los Angeles
3	Antelope Valley Service Center	42060 10th St West	Lancaster	Los Angeles
4	Arrowhead Service Center	26364 Pine Ave	Rim Forest	San Bernardino
5	Barre Substation	8662 Cerritos	Stanton	Orange
6	Barstow Service Center	30553 Rimrock Rd	Barstow	San Bernardino
7	Big Creek Plant 1	54205 Mountain Poplar Dr	Big Creek	Fresno
8	Big Creek Plant 3	47369 Lower Redinger Rd	Auberry	Fresno
9	Big Creek Plant 4	58188 Road 235	North Fork	Madera
10	Big Creek Plant 8	51374 Mammoth Power House Rd	Auberry	Fresno
11	Bishop Service Center	374 Lagoon St	Bishop	Inyo
12	Blythe Service Center	505 W 14th St	Blythe	Riverside
13	Camp 62	USFS4S01/Edison Lake Rd	Fresno County	Fresno
14	Camp Edison	42696 Hwy. 168 (Tollhouse Rd)	Shaver Lake	Fresno
15	Center Substation	10601 E Firestone Bl	Norwalk	Los Angeles
16	Central Orange County Service Center	1241 S. Grand Ave	Santa Ana	Orange
17	Control Substation	6 miles SW of Bishop on HWY 168	Bishop	Inyo
18	Cool Water Generating Station	37000 Santa Fe St	Daggett	San Bernardino
19	Covina CSAS	1551 W San Bernardino Rd	Covina	Los Angeles
20	Covina Service Center	800 W Cienega Ave	San Dimas	Los Angeles

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

File #	FACILITY NAME	STREET	CITY	COUNTY
21	Del Amo Substation	20200 Studebaker Rd	Cerritos	Los Angeles
22	Devers Substation	62030 16th St	Palm Springs	Riverside
23	Dominguez Hills Pumping Station	2500 E. Victoria St.	Compton	Los Angeles
24	Dominguez Hills Service Center	1990 Cashdan St	Carson	Los Angeles
25	El Segundo Generating Station	301 Vista Del Mar Blvd	El Segundo	Los Angeles
26	Ellis Substation	19118 Ward Street	Huntington Beach	Orange
27	Ellwood Energy Support	30 Las Armas Rd	Goleta	Santa Barbara
28	Etiwanda Generating Station	8996 Etiwanda Ave	Etiwanda	San Bernardino
29	Foothill Service Center	7951 Redwood Ave	Fontana	San Bernardino
30	General Office 2	2255 Walnut Grove Ave	Rosemead	Los Angeles
31	General Office 3, Print Shop	2244 Walnut Grove Ave	Rosemead	Los Angeles
32	General Office 4	8631 Rush Street	Rosemead	Los Angeles
33	Goleta Substation	1425 Glen Annie Rd	Goleta	Santa Barbara
34	High Desert Service Center	12353 Hesperia Road	Victorville	San Bernardino
35	Highgrove Generating Station	12700 Taylor St	Colton	San Bernardino
36	Huntington Beach Generating Station	27130 Newland St	Huntington Bch	Orange
37	Irwindale Corporate Warehouse	13025 E Los Angeles St	Irwindale	Los Angeles
38	Kaweah Power House	44511 Sierra Dr	Three Rivers	Tulare
39	Kernville Garage	120 Woodland Dr	Wofford Heights	Kern
40	La Cienega Substation	4701 La Cienega Bl	Culver City	Los Angeles
41	La Fresa Substation	17680 Yukon Ave	Torrance	Los Angeles
42	Laguna Bell Substation	6301 S Garfield Ave	Commerce	Los Angeles
43	Lighthipe Poleyard	6990 Orange Ave	Long Beach	Los Angeles
44	Lighthipe Substation	6900 Orange Ave	Long Beach	Los Angeles
45	Long Beach Generating Station	2665 W. Seaside Bl	Long Beach	Los Angeles
46	Long Beach Service Center	2800 E. Willow St	Long Beach	Los Angeles
48	Lugo Substation	6655 Escondido	Hesperia	San Bernardino
49	Magunden Substation	7500 Mills Dr	Bakersfield	Kern
50	Mandalay Generating Station	393 No Harbor Blvd	Oxnard	Ventura
51	Mesa Substation	700 E Potrero Grande	Monterey Park	Los Angeles
52	Metro Substation	5016 North Earle Street	Rosemead	Los Angeles
53	Mira Loma Substation	13568 Milliken	Ontario	San Bernardino
54	Mohave Generating Station	2700 Edison Way	Laughlin, NV	Clark
55	Monrovia Service Center	1440 S. California St	Monrovia	Los Angeles
56	Montebello Service Center	1000 Potrero Grande Dr	Monterey	Los Angeles
57	Moorpark Substation	5072 Gabbert Rd	Moorpark	Ventura
58	North Orange County Service Center	1851 Valencia Dr	Fullerton	Orange
59	Ontario Aircraft Operations	1150 S. Vinyard Ave	Ontario	San Bernardino
60	Ontario Service Center	1351 E Francis St	Ontario	San Bernardino
61	Orange Coast Service Center	7333 Bolsa Ave	Westminster	Orange
62	Palm Springs Service Center	36100 Cathedral Canyon Dr	Cathedral City	Riverside
63	Pardee Substation	25401 Rye Canyon Rd	Santa Clarita	Los Angeles
64	Pomona Garage	265 North East End Ave	Pomona	Los Angeles
65	Port Hueneme - Fuel Oil Pipeline	200 W. Clara St	Port Hueneme	Ventura
66	Redlands Service Center	287 Tennessee St	Redlands	San Bernardino
68	Redondo Generating Station	1100 Harbor Dr	Redondo Beach	Los Angeles
69	Rialto Garage	300 North Pepper Ave	Rialto	San Bernardino
70	Ridgecrest Garage	510 China Lake Blvd	Ridgecrest	Kern

File #	FACILITY NAME	STREET	CITY	COUNTY
71	Saddleback Service Center	14155 Bake Pkwy	Irvine	Irvine
72	San Bernardino Generating Station	25770 San Bernardino Ave	San Bernardino	San Bernardino
73	San Jacinto Valley Service Center	26100 Menifee Rd	Romoland	Riverside
74	San Joaquin Valley Service Center	2425 S. Blackstone	Tulare	Tulare
75	Santa Ana Energy Services	1327 South Grand Ave	Santa Ana	Orange
76	Santa Barbara Service Center	333 Love Pl	Santa Barbara	Santa Barbara
77	Santa Monica Service Center	1721 22nd St	Santa Monica	Los Angeles
78	Santiago Substation	15882 Sand Canyon Ave	Irvine	Orange
79	SONGS	5000 Pacific Coast Hwy	San Clemente	San Diego
80	SONGS Mesa	14300 Mesa Rd W40	San Clemente	San Diego
81	South Bay Service Center	505 Maple Ave	Torrance	Los Angeles
82	Tehachapi Service Center	421 W. J Street	Tehachapi	Los Angeles
83	Thousand Oaks Service Center	3589 Foothill Dr	Thousand Oaks	Ventura
84	T/S Northern Regional Office	25207 W. Rye Canyon Rd.	Valencia	Los Angeles
85	Valencia Service Center	25625 W. Rye Canyon Rd	Valencia	Los Angeles
86	Ventura Service Center	10060 Telegraph Rd	Ventura	Ventura
87	Villa Park Substation	1900 East Taft	Orange	Orange
88	Vincent Substation	33301 Angeles Forest Hwy	Palmdale	Los Angeles
89	Vista Substation	22200 Newport Ave	Grand Terrace	San Bernardino
90	Walnut Substation	16333 E. Gale Ave	La Puente	Los Angeles
91	Western T/S Division Office	1343 E. Main St.	Santa Paula	Ventura
92	Whittier Service Center	9901 Geary Ave	Santa Fe Springs	Los Angeles
93	Yucca Valley/29 Palms Service Center	6999 Old Women Springs Rd	Yucca Valley	San Bernardino

A financial test is also used by this owner to demonstrate evidence of financial responsibility in the following amounts under other EPA regulations or state programs authorized by EPA under 40 CFR Parts 271 and 145:

EPA REGULATIONS	AMOUNT
Closure (§§264.143 and 265.143)	$0
Post-Closure Care (§§264.145 and 265.145)	$0
Liability Coverage (§§264.147 and 265.147)	$0
Corrective Action (§§264.101(b)	$0
Plugging and Abandonment (§§144.63)	$0
Closure	$0
Post-Closure Care	$0
Liability Coverage	$0
Corrective Action	$0
Plugging and Abandonment	$0
Total	$

This owner has not received an adverse opinion, a disclaimer of opinion, or a "going concern" qualification from an independent auditor on his financial statements for the latest completed fiscal year.

ALTERNATIVE I

		AMOUNT (1,000's)
1.	Amount of annual UST aggregate coverage being assured by a financial test	$ 2,000
2.	Amount of corrective action, closure, and post-closure care costs, liability coverage, and plugging and abandonment costs covered by a financial test	$ 0
3.	Sum of Lines 1 and 2	$ 2,000
4.	Total tangible assets (see Attachment 1)	$ 15,254,353
5.	Total liabilities (see Attachment 1)	$ 9,667,519
6.	Tangible new worth (see Attachment 1)	$ 5,586,834

		YES	NO
7.	Is Line 6 at least $10 million?	X	
8.	Is Line 6 at least 10 times Line 3?	X	
9.	Have financial statements for the latest fiscal year been filed with the Securities and Exchange Commission?	X	
10.	Have financial statements for the latest fiscal year been filed with the Energy Information Administration?	X	
11.	Have financial statements for the latest fiscal year been filed with the Rural Electrification Administration?		X

	YES	NO
12. Has financial information been provided to Dun and Bradstreet and has Dun and Bradstreet provided a financial strength rating of 4A or 5A?	X	

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR Part 280.95(d) as such regulations were constituted on the date shown immediately below.

Alan J. Fohrer
Executive Vice President and
Chief Financial Officer

Alan J. Fohrer

Date: 3/2/98

ATTACHMENT 1

SOUTHERN CALIFORNIA EDISON COMPANY

	At December 31, 1997 (In thousands)
Tangible assets:	
Total assets	$18,059,298
Less: Intangible electric plant	224,883
Deferred charges	2,580,062
Total tangible assets	$15,254,353
Total liabilities:	
Long-term debt	$6,144,597
Other long-term liabilities	479,637
Current liabilities	3,043,285
Total liabilities	$9,667,519
Tangible net worth:	$5,586,834

February 23, 1998

Distribution:

Dave Pomaville
Fresno County Department of Health
Environmental Health System
P.O. Box 11867
Fresno, CA 93775

Sandy Bunchek
County of Riverside Health
Services Agency
Department of Environmental Health
4065 County Circle Drive
Riverside, CA 92503

George Cudd
County of Santa Barbara
Environmental Health Services
120 Cremona Drive, Suite C
Goleta, CA 93117

John Macedo
County of Tulare
Department of Health Services
Environmental Health Division
1062 South K Street
Tulare, CA 93274

Doug Beach
County of Ventura
Environmental Health Division
800 S. Victoria Ave.
Ventura, CA 93009

Dennis Lampson
Mono County
Department of Public Health
P.O. Box 476
Bridgeport, CA 93517

James Blanton
Madera County Environmental Health
135 W. Yosemite Ave.
Madera, CA 93637

Tom Hays
City of Long Beach
Bureau of Fire Prevention
Underground Storage Tank Section
925 Harbor Plaza
Long Beach, CA 90802

Carl Sjoberg
Los Angeles County
Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, CA 91802-1460

Jack Miller
Orange County Health Care Agency
Public Health/Environmental Health
2009 E. Edinger Ave.
Santa Ana, CA 92702

State of Nevada
Department of Conservation and
National Resources
Division of Environmental Protection
Capitol Complex
333 W. Nye Lane
Carson City, NV 89710

Bob Honish
City of Santa Ana
Fire Department
1439 S. Broadway
Santa Ana, Ca 92707

Amy Green
County of Kern
Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, CA 93301

Brian Johnson
Environmental Programs Division
200 Santa Monica Pier
Suite J
Santa Monica, CA 90401

Greg Coon
City of Victorville
14343 Civic Drive
Victorville, CA 92392-2399

Robert Kennedy
Inyo County Environmental
Health Department
P.O. Box 427
Independence, CA 93526

Ken Hall
Torrance Fire Department
Fire Prevention Division
3031 Torrance Blvd.
Torrance, CA 90503

Anne Marie Bland
City of Orange Fire Prevention Bureau
Hazardous Materials Division
174 S. Orange St.
Orange, CA 92866

John White
Fullerton Fire Department
Hazardous Materials Division
312 E. Commonwealth Ave.
Fullerton, CA 92832

Brian Clark
City of Ventura
Hazardous Materials Officer
Ventura Fire Department
1425 Dowell Drive
Ventura, CA 93003

Wayne Williams
San Bernardino County
Hazardous Materials Division
385 N. Arrowhead Ave.
San Bernardino, CA 92415-0153

Dave Klunk
Santa Fe Springs
Environmental Protection Division
11300 Greenstone Ave.
Santa Fe Springs, CA 90670

Steve Tsumura
El Segundo Fire Department
Hazardous Materials Division
314 Main St.
El Segundo, CA 90245

F/I pm

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 N. Arrowhead Ave., 2nd Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 FAX (909) 387-4323

UNDERGROUND STORAGE TANK INSPECTION REPORT

Facility Name: SCE - ETIWANDA Generating STATION Date: 13 NOV. 1997

Street Address: 8996 ETIWANDA Est. No.: 86008879

City: ETIWANDA, CA Zip Code: 91739 Number of Tanks: 1

Facility Contact: Danielle Chupa Facility Phone No.: 626-302-2153 Number of Employees: _____

Refer to Title 23 of the California Code of Regulations (CCR), Chapters 6.7 of the California Health and Safety Code (CHSC). The following Code sections are either in Violation (V) of or in Compliance (C) with the Underground Storage Tank laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

GENERAL REQUIREMENTS		V	C	N
1. Failure to obtain UST Permits	CHSC 25284(a)			✓
2. Failure to pay Permit Fees	CHSC 25287(a)			✓
3. No Form A and B submitted	CHSC 25286(a)			✓
4. Monitoring/Maintenance Records unavailable	CCR 2712(b)			✓
5. Failure to correct prior UST Violations	CCR 2712(f)			✓
6. No Owner/Operator Agreement	CCR 2620(b)			✓
7. No Certification of Financial Responsibility	CHSC 25292.2(a)			✓
8. Failure to report Change in Ownership	CCR 2712(d)			✓
9. Failure to properly monitor UST	CHSC 25293			✓
10. Failure to establish/implement a Bus. Plan	CHSC 25503.5			✓
MONITORING OF EXISTING UST SYSTEM (Pre 1984)				
Monitoring in General:				
15. No Leak-Detection/Monitoring Plan	CHSC 25289(b)			✓
16. Failure to establish a Response Plan	CCR 2641(h)			✓
17. Failure to implement Monitoring System	CHSC 25292(a)			✓
18. Failure to conduct Annual Precision Tests	CHSC 25292(b)			✓
19. Precision Test Results not submitted	CCR 2643(g)			✓
20. Monitoring Devices not maintained annually	CCR 2641(j)			✓
Piping:				
25. Pressurized Piping not tested annually	CHSC 25292(e)			✓
26. No In-line Leak Detector installed (Pres/Pipe)	CHSC 25292(e)			✓
27. Suction Piping not tested every 3 yrs.	CCR 2643(d)			✓
28. Gravity piping not tested every 2 yrs.	CCR 2643(e)			✓
Inventory Reconciliation:				
30. No Monthly Inventory Reconciliation	CCR 2646(c)			✓
31. No Annual Inventory Reconciliation	CCR 2646(g)			✓
32. Failure to calibrate Meters annually	CCR 2646(i)			✓
33. Failure to conduct Manual Tank Gauging	CCR 2645(b)			✓
MONITORING OF NEW UST SYSTEMS (1984 to Present)				
35. No Leak-Detection/Monitoring Plan	CCR 2632(b)			✓
36. Failure to develop a Response Plan	CCR 2632(d)(2)			✓
37. Failure to annually certify Monitoring System	CHSC 25288(b)			✓
38. Pressurized Piping not maintained/tested	CCR 2636(f)			✓
39. Failure to provide Overfill/Spill Protection	CHSC 25291(c)			✓
40. Visual/Audible Alarms not operational	CCR 2632(c) (2)			✓
UNAUTHORIZED RELEASES AND ABANDONMENTS				
45. Ops. resulting in Unauthorized Release	CHSC 25292.1(a)			✓
46. Failure to report/record Unauthorized Release	CCR 2650			✓
47. Unlawful abandonment of USTs	CHSC 25298(a)			✓
48. Unlawful closure of USTs	CHSC 25298(c)			✓
49. Failure to properly temporarily close USTs	CHSC 25298(b)			✓
50. Failure to respond to Unauthorized Release	CCR 2652			✓

NARRATIVE/CORRECTIONS

Inspection conducted to determine regulatory requirements for a system located at the site listed above. Danielle Chupa and Henry Dennis of SCE were present for the inspection.

The tank in question is a 30 gallon steel tank below grade in a concrete vault. The tank is designed to capture and contain any spills from the filling of the JP-4 (distillate Fuel) tanks, as well as any leaks from the three distillate pumps and filters. The piping is steel and is housed in a concrete pipe ~~sump~~ trench. The tank vault and piping trench are visually inspected. The fill points, pumps and filters are located within a bermed containment pad. After any spills, rain storms, etc. the tank will be emptied and properly managed.

The tank is not used as a storage tank, but rather as an emergency containment tank used to receive accidental spills. In ~~addition~~ addition the tank is kept empty.

Based on current usage, the tank is exempt from Title 23 of the California Code of Regulations

- [x] Inspection _____ Total Time 3.0
- [ ] Reinspection _____ Forms A & B _____
- [ ] Complaint _____ Monitoring Prop. _____
- [ ] NOV Issued _____ Business Plan _____
- [ ] C.D. Date _____ Fin. Responsibility _____

E-Mail Address: _____

Revised August 1996

Inspector Wayne Williams Received By Danielle Chupa Title Env'l Specialist

15-19274-870 Rev. 9/96

Certified Unified Program Agency
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 North Arrowhead Avenue, 2nd Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 Fax (909) 387-4323

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME:	FACILITY LOCATION:
SCE	ETI Mainoa Generating Station

pursuant to section 2621(a)(12).

NO underground storage tank permits are required for this system.

ENVIRONMENTAL PROTECTION

W. Williams
Inspector

13 NOV. 1997
Date

Damelle Chupa
Received By

Env'l Specialist
Title

DISTRIBUTION: White – Facility
Canary – File
Pink – Inspector

R.Y. Rodriguez
Garage Equipment & Maintenance

840 E. Second Street
Pomona, CA. 91766
(909) 622-4508

MONITOR CERTIFICATION

CUSTOMER : Southern California Edison **DATE** 05/01/97

LOCATION: Etiwanda Generating Station

8996 Etiwanda Blvd.

Etiwanda, Ca. 91739

MANUFACTURER: Universal Sensors **MODEL NO** LA-08
SERIAL NO. _____ **#OF TANKS** _____

ALARMS: **VISUAL** Okay **AUDIBLE** Okay
PRINTER N/A **MODEM** N/A

PROBES **TANKS**

	UNLEADED	DIESEL	WASTE OIL	NEW OIL
IN TANK (LIQUID LEVEL)				
IN TANK SENSING				
ANNULAR SPACE SENSING	*Okay*			
SUMP SENSING				
DISPENSER				
MONITORING WELL	*Okay*			
MONITORING WELL				
POSITIVE SHUT OFF Y/N				

SAFETY: **INTRINSIC** Okay **ELETRICAL** Okay
PROBE CONNECTIONS Okay **OTHER** -

REMARKS: _____

THIS IS TO CERTIFY THAT THE ABOVE MONITOR HAS BEEN TESTED BY AN AUTHORIZED REPRESENTATIVE OF R.Y. RODRIGUEZ GARAGE EQUIPMENT, HAS BEEN ADJUSTED AND/OR CALIBRATED AS NECESSARY, AND IS OPERATING ACCORDING TO MANUFACTURER'S SPECIFICATION.

TECHNICIAN: _____ **DATE** 05/01/97

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE							
☐ 1 NEW PERMIT	☐ 2 INTERIM PERMIT	☐ 3 RENEWAL PERMIT	☐ 4 AMENDED PERMIT	☑ 5 CHANGE OF INFORMATION	☐ 6 TEMPORARY SITE CLOSURE	☐ 7 PERMANENTLY CLOSED SITE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR		
Etiwanda Generating Station	Foremen		
ADDRESS	NEAREST CROSS STREET		PARCEL # (OPTIONAL)
8996 Etiwanda Ave			
CITY NAME	STATE	ZIP CODE	SITE PHONE # WITH AREA CODE
Etiwanda	CA	91739	(909) 899-7291

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS* ☐ COUNTY-AGENCY* ☐ STATE-AGENCY* ☐ FEDERAL-AGENCY*

* If owner of UST is a public agency, complete the following: name of Supervisor or division, section, or office which operates the UST _____

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER	☐	1	CAD079548574

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Lacroix, Paul	(909)-899-7253	Cortez, Raul	(909)-395-3304
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Shift Supervisor / Foreman	(909)-899-7213		

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION			
Southern California Edision Co.	Attn: Environmental Affairs G.O.1 Rm 405			
MAILING OR STREET ADDRESS	✓ box to indicate: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY			
P.O. Box 800				
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE	
Rosemead	CA	91770	(818)-302-1212	

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION			
Southern California Edision Co.	Attn: Environmental Affairs G.O.1 Rm 405			
MAILING OR STREET ADDRESS	✓ box to indicate: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY			
P.O. Box 800				
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE	
Rosemead	CA	91770	(818)-302-1212	

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- 007438

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☑ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER _____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED)	OWNER'S TITLE	DATE MONTH/DAY/YEAR
HENRY L. DENNIS - Henry L. Dennis	Env. Specialist	10-3-94

LOCAL AGENCY USE ONL

COUNTY #	JURISDICTION #	FACILITY #

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE
☐ 1 NEW PERMIT ☐ 3 RENEWAL PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 7 PERMANENTLY CLOSED ON SITE
☐ 2 INTERIM PERMIT ☐ 4 AMENDED PERMIT ☐ 6 TEMPORARY TANK CLOSURE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Etiwanda Generating Station

I. TANK DESCRIPTION
COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	455R	B. MANUFACTURED BY:	Owens-Corning
C. DATE INSTALLED (MO/DAY/YEAR)	4/21/86	D. TANK CAPACITY IN GALLONS:	550

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☑ 1 MOTOR VEHICLE FUEL ☐ 4 OIL
☐ 2 PETROLEUM ☐ 80 EMPTY
☐ 3 CHEMICAL PRODUCT ☐ 95 UNKNOWN

B. ☑ 1 PRODUCT ☐ 2 WASTE

C. ☑ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A. 1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. #:

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E.

A. TYPE OF SYSTEM
☑ 1 DOUBLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 95 UNKNOWN
☐ 2 SINGLE WALL ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank)
☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☑ 3 FIBERGLASS ☐ 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC
☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP
☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING
☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING
☐ 5 GLASS LINING ☑ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☑ NO ☐

D. CORROSION PROTECTION
☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC
☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☑ 99 OTHER Fiberglass

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) 4/21/86 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 4/21/86

IV. PIPING INFORMATION
CIRCLE **A** IF ABOVE GROUND OR **U** IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U) 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER			
B. CONSTRUCTION	A (U) 1 SINGLE WALL	A U 2 DOUBLE WALL	A (U) 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER		
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE			
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/COATING	A U 8 100% METHANOL COMPATIBLE W/FRP			
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A (U) 99 OTHER Fiberglass			
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER			

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING ☑ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED - SIGNATURE)	DATE
HENRY L. DENNIS - Henry L. Dennis	10-3-94

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

☒ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

July 25, 1994

Southern California Edison
Henry L. Dennis, Environmental Specialist
Hazardous Waste/Water Quality, Environmental Affairs
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770

SUBJECT: UNDERGROUND STORAGE TANK (UST) INSPECTIONS CONDUCTED JUNE 6 - JUNE 8, 1994

Enclosed you will find all information associated with the UST inspections conducted June 6-June 8, 1994.

Please complete all required information (State A & B forms, Leak Detection and Monitoring Plan, etc.), and submit to this Department within 60 days.

If you should have any questions call (909) 387-3080.

WAYNE WILLIAMS, R.E.H.S.
Hazardous Materials Field Services

WW:vr
Enclosures

County of San Bernardino
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES • HAZARDOUS MATERIALS FIELD SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (909) 387-3080

UNDERGROUND STORAGE TANK INSPECTION REPORT

Facility Name: SCE Etiwanda Generating Station — Date: 06 June 1994
Street Address: 8996 Etiwanda — Establishment No.: B60008879
City: Etiwanda CA — Zip Code: 91739 — Number of Tanks: 1
Business Contact: Henry Dennis — Business Phone No.: 818-302-9770 — Number of Employees:

Refer to Title 23 of the California Code of Regulations (CCR), Chapters 6.7 of the Health and Safety Code (HSC). The following Code sections are either in Violation (V) of or in Compliance (C) with the Underground Storage Tank laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

PERMITS AND FORMS		V	C	N
1. Failure to obtain UST Permits	CHSC 25284(a)		✓	
2. Failure to pay Permit Fees	CHSC25287(a)		✓	
3. No Form A and B submitted	CHSC 25286(a)	✓		
GENERAL REQUIREMENTS				
4. Monitoring/Maintenance Records unavailable	CCR 2712 (b)		✓	
5. Failure to correct prior UST Violations	CCR 2712(f)			✓
6. No Owner/Operator Agreement	CHSC 25293(b)			✓
7. No Statement of Financial Responsibility	CHSC 25292.2(a)		✓	
8. Failure to report Change in Ownership	CCR 2712(d			✓
MONITORING OF EXISTING UST SYSTEM				
Monitoring Generally:				
9. No Leak-Detection/Monitoring Plan	CHSC 25289(b)			✓
10. Failure to install Monitoring System	CHSC 25292(a)			✓
11. No Annual Precision Tests	CHSC 25292(b)			✓
12. Precision Test Results not submitted	CCR 2643(h)			✓
13. Monitoring Devices not maintained annually	CCR 2641(i)			✓
14. Failure to monitor Wells monthly/continuously	CCR 2648(d)			✓
Piping:				
15. Pressurized Piping not tested annually	CHSC 25292(b) (4)			✓
16. No In-line Leak Detector installed (Pres/Pipe)	CHSC 252921(f)			✓
17. No monitoring of Suction Product Lines	CCR 2641(c)			✓
Inventory Reconciliation:				
18. No Monthly Inventory Reconciliation	CCR 2646(i)			✓
19. No Annual Inventory Reconciliation	CCR 2646(j)			✓
20. Failure to calibrate Meters annually	CCR 2646(f)			✓
MONITORING OF NEW UST SYSTEMS				
21. No Leak-Detection Plan submitted	CHSC 25289(b)		✓	
22. Failure to annually certify Monitoring System	CHSC 25289(b)		✓	
23. Pressurized Piping not maintained/tested	CCR 2635(b) (5)		✓	
24. Failure to provide Overflow/Spill Protection	CHSC 25291(c)		✓	
25. Visual/Audio Alarms not operational	CCR 2632(c) (2)		✓	
26. Failure to develop a Response Plan	CCR 3634(c)		✓	
UNAUTHORIZED RELEASES AND ABANDONMENTS				
27. Unauthorized Release improper operation	CHSC 25292.1(a)			✓
28. Failure to report Unauthorized Release	CCR 2652(b)			✓
29. Unlawful abandonment of UST's	CHSC 25298(a)			✓
30. Unlawful closure of UST's	CHSC 25298(c)			✓
31. Failure to properly temporarily close UST	HSC 25298(b)			✓

CORRECTIONS/NARRATIVES

Inspection conducted at the above facility to determine compliance with applicable laws and regulations.

The inspection was conducted with the following:

- Henry Dennis - SCE Rosemead
- Dave Barr - SCE Rosemead 818-302-7006
- Brent Crane - SCE Ontario 909-395-3316
- Wayne Williams - DEHS 909-387-3080

Inspection of the facility was conducted and the following was observed:

A. 1 UST:

- 1-550 gallon Owens-Corning Gasoline fuel tank.
- Spill/fill containment box was clean and free of dirt and debris.
- UST system monitored by "Leak Alert" electronic monitoring system. The panel is located on the south side of the building located N/W of the tank

- [x] Inspection
- [ ] Reinspection
- [ ] Complaint
- [ ] NOV Issued
- [ ] C.D. Date

Time Spent
Reviewed
Entered

Inspector Wayne Williams — Received by

A:\UGTTABLE.PM4
Revised August 1993

15-19275-631

County of San Bernardino
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES • HAZARDOUS MATERIALS FIELD SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (909) 387-3080

UNDERGROUND STORAGE TANK INSPECTION REPORT

Facility Name: SCE Etiwanda Generating Station Date: 06 June 1994
Street Address: 8996 Etiwanda Establishment No.: B60008879
City: Etiwanda CA Zip Code: 91739 Number of Tanks: 1
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30. Unlawful closure of UST's	CHSC 25298(c)			✓
31. Failure to properly temporarily close UST	HSC 25298(b)			✓

CORRECTIONS/NARRATIVES

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- Dave Barr - SCE Rosemead 818-302-7006
- Brent Crane - SCE Ontario 909-395-3316
- Wayne Williams - DEHS 909-387-3080

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- [x] Inspection
- [ ] Reinspection
- [ ] Complaint
- [ ] NOV Issued
- [ ] C.D. Date

Time Spent
Reviewed
Entered

Inspector Wayne Williams Received by

A:\USTTABLE.PM4
Revised August 1993

15-19275-631

Cour of San Bernardino – Environmental Ma ement Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 06 June 1994
INSPECTOR: WW.

FACILITY NAME: SCE - Etiwanda
FACILITY LOCATION:

The panel was in "ON" mode - both audible and visual alarms appeared to be operational.

B. Records:

- Permits Current
- SCE UST handbook on site contained the following information:
  - State A & B forms
  - Permits
  - Leak Detection and Monitoring Program
  - Statement of Financial Responsibility
  - Monitoring Records

* At the time of inspection I was provided with copies of Leak Alert Certification and Leak Detection and Monitoring Program.

C. Corrective Actions:

(1) Please provide a copy of State A & B forms for ~~case~~ DETTS Files.
(2) Continue to maintain records on site and available for review.
(3) It's recommended that you inspect under dispenser for Leaks.

If you should have any questions please call (909) 387-3080

15-17189-631 Rev. 6/91

Received By

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

March 17, 1994

Environmental Protection Agency, Region IX
California Department of Health Services
Local Agencies with UST Regulatory Authority

Subject: Financial Responsibility for Underground Storage Tanks

I am the Chief Financial Officer of the Southern California Edison Company at 2244 Walnut Grove Avenue, Rosemead, California 91770. This letter is in support of the use of the financial test of self-insurance to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by sudden accidental releases or nonsudden accidental releases in the amount of at least $1 million per occurrence and $2 million annual aggregate arising from operating underground storage tanks.

Underground storage tanks at the following facilities are assured by this financial test or a financial test under an authorized State program by this owner:

SOUTHERN CALIFORNIA EDISON COMPANY
FACILITIES WITH UNDERGROUND STORAGE TANKS ASSURED BY THIS FINANCIAL TEST

Fac No.	Facility	Address	City	County
1	Alamitos G/S	690 Studebaker Road	Long Beach	Los Angeles
2	Alhambra-AM	501 S. Marengo Avenue	Alhambra	Los Angeles
3	Antelope Valley D/O	42060 10th Street West	Lancaster	Los Angeles
4	Arrowhead S/C	26354 Pine Avenue	Rimforest	San Bernardino
5	Barre Substation	8562 Cerritos Avenue	Stanton	Orange
6	Barstow S/C	30553 Rimrock Road	Barstow	San Bernardino
7	Big Creek #1	P.O. Box 100	Big Creek	Fresno
8	Big Creek #3	P.O. Box 100	Big Creek	Fresno
9	Big Creek #8	P.O. Box 100	Big Creek	Fresno
10	Big Creek #4	P.O. Box 100	Big Creek	Madera
11	Bishop S/C	374 Lagoon Street	Bishop	Inyo
12	Blythe S/C	505 West 14th Avenue	Blythe	Riverside
13	Camp 62	P.O. Box 100	Big Creek	Fresno
14	Camp Edison	42595 Tollhouse Road	Shaver Lake	Fresno
15	Center Substation	10501 E. Firestone Blvd.	Norwalk	Los Angeles
16	Central Div. A/O	1551 W. San Bernardino Rd.	Covina	Los Angeles
17	Central T/S D/O	5015 North Earle Street	Rosemead	Los Angeles
18	Chino Substation	5765 Edison Avenue	Chino	San Bernardino
19	Control Station	Route 1 - Plant 4	Bishop	Inyo
20	Cool Water G/S	P.O. Box 337	Daggett	San Bernardino

Fac No.	Facility	Address	City	County
21	Del Amo Substation	20200 Studebaker Road	Long Beach	Los Angeles
22	Dever Substation	14010 Diablo Road	N. Palm Springs	Riverside
23	Dominguez Hill S/C	1924 Cashdan	Compton	Los Angeles
24	DPC	2244 Walnut Grove Avenue	Rosemead	Los Angeles
25	Eastern D/O	2885 Foothill Boulevard	Huntington Beach	Orange
26	Ellis Substation	19118 Ward Street	Huntington Beach	Orange
27	Ellwood G/S	30 Las Almas	Goleta	Santa Barbara
28	Etiwanda G/S	8996 Etiwanda Avenue	Etiwanda	San Bernardino
29	Florence Lake	P.O. Box 100	Big Creek	Fresno
30	Foothill D/O	7951 Redwood Avenue	Fontana	San Bernardino
31	Fullerton S/C	1851 W. Valencia Drive	Fullerton	Orange
32	General Office Complex - G.O. 4	8631 E. Rush Street	Rosemead	Los Angeles
33	G.O. Garage	8380 Klingerman	Rosemead	Los Angeles
34	G.O. 1	2244 Walnut Grove Avenue	Rosemead	Los Angeles
35	G.O. 3	2131 Walnut Grove Avenue	Rosemead	Los Angeles
36	Goleta Substation	1425 Glen Annie Road	Goleta	Santa Barbara
37	High Desert S/C	12353 Hesperia Road	Victorville	San Bernardino
38	Highgrove G/S	12700 Taylor Street	Colton	San Bernardino
39	Huntington Beach G/S	21730 Newland Street	Huntington Beach	Orange
40	Inglewood S/C	8611 La Cienega Blvd.	Inglewood	Los Angeles
41	Irwindale S/C	13025 E. Los Angeles St.	Irwindale	Los Angeles
42	Kaweah #1	Three Rivers	Three Rivers	Tulare
43	Kern River 3	Kern 3	Kernville	Kern
44	Kernville D/O	120 Woodland Drive	Wofford Heights	Kern
45	La Cienega Substation	4701 La Cienega Blvd.	Culver City	Los Angeles
46	La Fresa Substation	17680 Yukon Avenue	Torrance	Los Angeles
47	Laguna Bell Substation	6301 S. Garfield Avenue	Commerce	Los Angeles
48	Lee Vining Substation	Route 395	Lee Vining	Mono
49	Lighthipe Pole Yard	6900 Orange Avenue	Long Beach	Los Angeles
50	Lighthipe Substation	6900 Orange Avenue	Long Beach	Los Angeles
51	Long Beach S/C	2800 Willow Street	Long Beach	Los Angeles
52	Long Beach G/S	2665 Seaside Boulevard	Long Beach	Los Angeles
53	Lugo Substation	6655 Escondido	Hesperia	San Bernardino
54	Magunden Substation	7500 Mills Road	Bakersfield	Kern
55	Mammoth L/O	453001 Chateau Road	Mammoth Lakes	Mono
56	Mandalay G/S	393 N. Harbor Boulevard	Mandalay	Ventura
57	Mesa Substation	700 E. Potrero Grande Dr.	Monterey Park	Los Angeles
58	Mira Loma Substation	13568 Milliken	Ontario	San Bernardino
59	Monrovia S/C	1440 S. California	Monrovia	Los Angeles
60	Montebello S/C	1000 Potrero Grande Drive	Monterey Park	Los Angeles
61	Moorpark Substation	5027 Gabbert Road	Moorpark	Ventura
62	Orange Coast S/C	7333 Bolsa Avenue	Westminster	Orange
63	Ontario S/C	1351 E. Francis	Ontario	San Bernardino
64	Ormond Beach G/S	6635 s. Edison Way	Oxnard	Ventura
65	Padua Substation	1560 N. Campus	Upland	San Bernardino
66	Palm Springs S/C	36100 Cathedral Canyon Dr.	Cathedral City	Riverside
67	Pardee Substation	25401 Rye Canyon Road	Valencia	Los Angeles
68	Pomona Garage	265 N. East End Avenue	Pomona	Los Angeles
69	Port Hueneme P/S	200 West Clara Street	Port Hueneme	Ventura
70	Rector Substation	28361 Road 148	Visalia	Tulare
71	Redlands S/C	287 Tennessee Street	Redlands	San Bernardino
72	Redondo Beach S/C	505 Maple Avenue	Torrance	Los Angeles
73	Redondo G/S	1100 Harbor Drive	Redondo Beach	Los Angeles
74	Ridgecrest S/C	510 S. China Lake Blvd.	Ridgecrest	Kern
75	Rush Creek Hydro	Route 158	June Lake	Mono
76	San Bernardino G/S	25770 San Bernardino Ave.	San Bernardino	San Bernardino
77	San Bernardino S/C	300 North Pepper	Rialto	San Bernardino
78	San Dimas S/C	800 W. Cienega	San Dimas	Los Angeles
79	San Fernando D/O	25625 W. Rye Canyon Road	Valencia	Los Angeles
80	San Jacinto S/C	26100 Menifee Road	Romoland	Riverside
81	San Joaquin D/O	2425 S. Blackstone Avenue	Tulare	Tulare
82	Santa Ana Garage	1241 S. Grand Avenue	Santa Ana	Orange
83	Santa Ana River	32387 Greenspot Road	East Highlands	San Bernardino]
84	Santa Barbara S/C	333 David Love Place	Goleta	Santa Barbara
85	Santa Monica S/C	1721 22nd Street	Santa Monica	Los Angeles

Fac No.	Facility	Address	City	County
86	Santiago Substation	15862 Sand Canyon Avenue	East Irvine	Orange
87	SCE Air Operations	7000 Merrill Ave., Box 35	Chino	San Bernardino
88	Shaver Lake	41694 Dinkey Creek Road	Shaver Lane	Fresno
89	SONGS Mesa	SE Basilone Road	San Clemente	San Diego
90	SONGS Protected	SE Basilone Road	San Clemente	San Diego
91	Southeastern A/O	1327 S. Grand Avenue	Santa Ana	Orange
92	Tehachapi S/C	421 W. J Street	Tehachapi	Los Angeles
93	Thousand Oaks D/O	3589 Foothill Drive	Thousand Oaks	Ventura
94	Ventura D/O	10060 Telegraph Road	Ventura	Ventura
95	Vestal Substation	Porterville-Formosa Hwy.	N/E of Richgrove	Tulare
96	Villa Park Substation	1900 E. Taft Avenue	Orange	Orange
97	Vincent Substation	33301 Angeles Forest Hwy.	Palmdale	Los Angeles
98	Vista Substation	22200 Newport Avenue	Grand Terrace	San Bernardino
99	Walnut Substation	16333 E. Gale Avenue	City of Industry	Los Angeles
100	Western T/S	1343 E. Main Street	Santa Paula	Ventura
101	Westminster Service Shop	7400 Fenwick Lane	Westminster	Orange
102	Yucca Valley S/C	6999 Old Women Springs Rd.	Yucca Valley	San Bernardino
103	Western Division Cust. Ser. HQ	125 Elm Avenue	Long Beach	Los Angeles
104	New Whittier S/C	9901 Geary Avenue	Santa Fee Springs	Los Angeles
105	Saddleback S/C	14155 Bake Parkway	Irvine	Orange
106	Mohave G/S		Laughlin, Nevada	Nevada
107	Eldorado Substation		Boulder City, NV	Nevada

A financial test is also used by this owner to demonstrate evidence of financial responsibility in the following amounts under other EPA regulations or state programs authorized by EPA under 40 CFR Parts 271 and 145:

EPA REGULATIONS	AMOUNT
Closure (§§264.143 and 265.143)	$0
Post-Closure Care (§§264.145 and 265.145)	$0
Liability Coverage (§§264.147 and 265.147)	$0
Corrective Action (§§264.101(b)	$0
Plugging and Abandonment (§§144.63	$0
Closure	$0
Post-Closure Care	$0
Liability Coverage	$0
Corrective Action	$0
Plugging and Abandonment	$0
Total	$0

This owner has not received an adverse opinion, a disclaimer of opinion, or a "going concern" qualification from an independent auditor on his financial statements for the latest completed fiscal year.

ALTERNATIVE I

		AMOUNT (1,000's)
1.	Amount of annual UST aggregate coverage being assured by a financial test	$ 2,000
2.	Amount of corrective action, closure, and post-closure care costs, liability coverage, and plugging and abandonment costs covered by a financial test	$ 0
3.	Sum of Lines 1 and 2	$ 2,000
4.	Total tangible assets (see Attachment 1)	$ 14,685,380
5.	Total liabilities (see Attachment 1)	$ 7,959,388
6.	Tangible new worth (see Attachment 1)	$ 6,725,992

		YES	NO
7.	Is Line 6 at least $10 million?	X	
8.	Is Line 6 at least 10 times Line 3?	X	
9.	Have financial statements for the latest fiscal year been filed with the Securities and Exchange Commission?	X	
10.	Have financial statements for the latest fiscal year been filed with the Energy Information Administration?	X	
11.	Have financial statements for the latest fiscal year been filed with the Rural Electrification Administration?		X

	YES	NO
12. Has financial information been provided to Dun and Bradstreet and has Dun and Bradstreet provided a financial strength rating of 4A or 5A?	X	

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR Part 280.95(d) as such regulations were constituted on the date shown immediately below.

Alan J. Fohrer
Vice President and
Chief Financial Officer

Alan J. Fohrer

Date: 3/17/94

ATTACHMENT 1

SOUTHERN CALIFORNIA EDISON COMPANY

	At December 31, 1993 (In thousands)
Tangible assets:	
Total assets	$18,091,619
Less: Intangible electric plant	51,269
Deferred charges	3,354,970
Total tangible assets	$14,685,380
Total liabilities:	
Long-term debt	$5,233,697
Other long-term liabilities	266,595
Current liabilities	2,459,096
Total liabilities	$7,959,388
Tangible net worth:	$6,725,992

Mar. 15, 1994

LEAK DETECTION & MONITORING PROGRAM
New Underground Storage Tanks
(Installed January 1984 to Present)

Send completed proposal to: County of San Bernardino
Department of Environmental Health Services
385 North Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415-0160

I. General Information

A. Facility name: Etiwanda Generating Station
Facility business owner: Southern California Edison
Facility address: 8996 Etiwanda Avenue
Etiwanda, California 91739
Mailing address: P.O. Box 800, Room 405
Rosemead, California 91770

B. Property owner: Southern California Edison
Mailing address: P.O. Box 800, Room 405
Rosemead, California 91770

C. Underground storage tank information:

UST #	Manufacturer	Tank Material (Metal/Fiberglass)	Size	Install Date	Product
455R	Owens Corning	Fiberglass	548 gal.	4/21/86	Gasoline

Note: *If the operator of the UST is not the owner, then the owner shall enter into a written contract with the operator requiring the operator to monitor the UST's; to maintain appropriate records; and to implement reporting procedures as required by any applicable permit. Both the owner and operator are responsible for assuring the UST system is repaired, upgraded or closed as appropriate.*

Attach a copy of the signed agreement to this proposal when it is submitted.

II. Underground Storage Tank Monitoring (double-walled tanks)

A. The underground storage tank is monitored by one of the following methods: *(please check one)*

1. Continuous monitoring system *(electronic)* ..... [X]
2. Visual monitoring program *(vaulted UST)* ..... [ ]

(If you checked 1 go to B, if you checked 2 go to C.)

B. Continuous interstitial monitoring equipment information for double-walled underground storage tanks. This equipment shall be certified annually.

1. Interstitial monitoring equipment information:

Manufacturer: Universal Sensors and Devices Inc.

Model number: Leak Alert Model No. LA-08

2. Name of contractor who will annually certify equipment.

Name: L.A.S. Incorporated

Phone number: 800-464-4405 or 909-273-7420

3. Monitoring equipment description:

a. Liquid level indicator ..... [X]

b. Hazardous substance sensor ..... [ ]

c. Vapor monitor ..... [ ]

d. Pressure/vacuum loss detector ..... [ ]

(Note: Alarms shall be both audible and visual.)

C. Visual monitoring program for vaulted underground storage tanks:

1. Visual inspections of primary containment will be five days per week.

2. Records of liquid level will be retained:

a. On site ..... [ ]

b. Off site ..... [ ]

(If off site, give name and phone number of person responsible for records.)

Name: N/A

Phone Number: _____

3. Observation of liquid around or beneath the primary containment requires analysis of observed liquid by:

a. Field analysis ..... [ ]

b. Lab analysis ..... [ ]

Give name, address, and phone number of proposed analytical lab.

Name: N/A

Address: _____

_____

Phone number: _____

c. If analysis of liquid in (3) above reveals hazardous material, an integrity test is required. Give name and phone number of proposed testing company.

Name: N/A

Phone number: _____

(Note: If a leak is confirmed, all hazardous materials must be removed from the system immediately.)

III. Underground Piping

All underground piping shall be monitored and all *pressurized* piping shall have an automatic line-leak detector installed.

A. Construction of underground piping:

1. Primary piping is:

Fiberglass	X
Steel	

2. Secondary containment piping is:

Fiberglass	
Steel	
Fibertrench	
Liner	
Other (describe)	X

Hytrel Liner

B. Monitoring of underground piping:

1. The secondary containment system shall be equipped with a continuous monitoring system connected to both an audible and a visual alarm system.

Monitor alarm sensor is located in the secondary containment	X
Monitor is alarm sensor is located in the sump	

Manufacturer of monitor alarm and sensors: Universal Sensor and Devices Inc.

Model: Leak Alert Model No. LA-08

2. The primary piping is:

Suction	X
Pressurized	

(Note: If piping system is pressurized, an automatic leak detector shall be installed. This system shall be capable of detecting a leak of three gallons per hour at ten p.s.i. within one hour.)

3. Either the automatic line-leak detector or the monitoring alarm system shall be capable of shutting off the turbine (or pump for suction systems). Both systems shall be certified annually.

a. Automatic line-leak detector will ~~shut off turbine/pump~~ Restricted Flow ..... [X]

b. Monitoring alarm will shut off turbine/pump ..... [ ]

IV. Monitoring Program Description

A. In the event of an unauthorized release, DEHS shall be notified at 1-800-33-TOXIC within 24 hours. Notification in writing shall be made within five days.

B. Locations where monitoring shall be performed: *(check all that apply)*

1. UST manway access ..... [ ]
2. Interstitial probe access ..... [X]
3. Fill box ..... [ ]
4. Vapor recovery access ..... [ ]
5. Vault, if applicable ..... [ ]
6. Other *(describe below)* ..... [ ]

C. Name and title of person(s) responsible for performing monitoring and/or maintaining equipment:

1. Raul Cortez, Property Services Supervisor
2. Paul Lacroix, Environmental Specialist III
3. _____

D. Provide the preventative maintenance schedule for monitoring equipment:

	Model	Frequency
1.	Leak Alert Model No. LA-08	Yearly
2.		
3.		
4.		
5.		

E. Describe training needed/provided for the operation of the monitoring equipment. Include names of instructors and/or organizations providing instruction.

1. Instructors:

Name: Paul Lacroix

Company: Southern California Edison

Phone number: 909-899-7253

Name: _____

Company: _____

Phone number: _____

Name: _____

Company: _____

Phone number: _____

2. Monitoring equipment training description:

The training includes a description of the Leak Alert Model No. LA-08 monitoring system and the procedures for notification in the event of alarm.

V. Response Plan

A response plan shall be required which demonstrates that any unauthorized release will be removed from the secondary containment as quickly as possible.

A. Equipment to be used for removal and/or disposal of released hazardous materials into the secondary containment is:

1. Located permanently on site ..... [ ]
2. Not located permanently on site ..... [X]

(Address of location or name and phone number of proposed contractor)

R. J. Myers and Sons Inc., P.O. Box 3007

North Hollywood, California 91609 818-768-2126

B. Description of equipment and methods used to remove and/or dispose of released hazardous substances:

C. Describe maintenance schedule for equipment located on site:

N/A

D. Name and title of person(s) responsible for authorizing any work necessary under this plan:

Name/Company: Jerry Socia/Southern California Edison

Title: Supervisor of Plant Maintenance

Phone number: 909-899-7255

Name/Company: Raul Cortez/Southern California Edison

Title: Property Services Supervisor

Phone number: 909-395-3304

I declare under penalty of law that I have reviewed this Leak Detection and Monitoring Program Plan and understand my responsibilities; and that the information provided in this and all attached documents is true and correct to the best of my knowledge.

Signature of Owner/Operator: [signature] Date: June 6, 1994

Print Name of Owner/Operator: R. W. Hull Title: Manager

L.A.S. INCORPORATED
1210 E. Sixth Street, Suite K
Corona, California 91719-1617

Calif: (800) 464-4405
(909) 273-7420
FAX: (909) 273-7433

U.S.T. MONITORING EQUIPMENT INSPECTION REPORT

*** * * IMPORTANT DOCUMENT * * ***

YOUR LOCAL REGULATORY AGENCY MAY REQUIRE A COPY OF THIS REPORT PLEASE KEEP WITH YOUR UNDERGROUND STORAGE TANK DOCUMENTS

COMPANY NAME: Southern California Edison
LOCATION: Etiwanda Generating Sta.
8996 Etiwanda
Rancho Cucamonga, California

On Wednesday, April 27, 1994, L.A.S Incorporated, a duly authorized service representative of Universal Sensors & Devices, checked out and calibrated one LA-08, Serial Number N/A, underground storage tank monitoring panel.

The following items were tested individually and found to be in working order:

Vapor Sensor(s):

Liquid Sensor(s): 2

Combo Sensor(s):

Line Sensor(s):

TLM Probe(s):

Deficiencies: Upon arrival replaced 1 liquid sensor. Panel and sensors tested and functioning normally following replacement.

The alarm panel was tagged and sealed with L.A.S. Inc., Seal Number 5.

SIGNED BY : Philip B. Smith

Philip B. Smith, Service Manager

L.A.S. INCORPORATED

1210 E. Sixth Street, Suite K
Corona, California 91719-1617

Calif: (800) 464-4405
(909) 273-7420
FAX: (909) 273-7433

U.S.T. MONITORING EQUIPMENT INSPECTION REPORT

*** * * IMPORTANT DOCUMENT * * ***

YOUR LOCAL REGULATORY AGENCY MAY REQUIRE A COPY OF THIS REPORT PLEASE KEEP WITH YOUR UNDERGROUND STORAGE TANK DOCUMENTS

COMPANY NAME: Southern California Edison
LOCATION: Etiwanda Generating Sta.
8996 Etiwanda
Rancho Cucamonga, California

On Wednesday, February 9, 1994, L.A.S Incorporated, a duly authorized service representative of Universal Sensors & Devices, checked out and calibrated one LA-08, Serial Number N/A, underground storage tank monitoring panel.

The following items were tested individually and found to be in working order:

Vapor Sensor(s):

Liquid Sensor(s): 2

Combo Sensor(s):

Line Sensor(s):

TLM Probe(s):

Deficiencies: Tested Channel 1 sensor bad, Channel 2 sensor good. Need to replace Channel 1 sensor and retest system.

The alarm panel was tagged and sealed with L.A.S. Inc., Seal Number 5.

SIGNED BY : Philip B. Smith

Philip B. Smith, Service Manager

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609

213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

DATE OF SERVICE 3/2/94 STATION # ETIWANDA W.O.# T2102911

TECHNICIAN: J. SHINE SERVICE REQUESTED BY: PAUL

PROBE I.D. NUMBERS: 1) GAS TANK ANNULAR
2) GAS TANK WELL

BILL TO: S.C.E.

SERVICE REQUESTED: PROBLEM WITH LEAK DETECTOR

DESCRIPTION OF WORK: UPON ARRIVAL SYSTEM WOULD NOT RESPOND TO TEST BUTTON. CLEANED CORROSION FROM CONTACTS ON TEST BUTTON. PROBES NOW ALARM WHEN TESTED. REMOVED AND TESTED BOTH LIQUID SENSORS. BOTH OPERATIONAL. MISSING 1" CAPPED "L" COVER AND COVER FOR ELECTRICAL J BOX ON ANNULAR SPACE. INSTALLED CAPPED L COVER FROM WATER WELL ON ANNULAR SPACE TO STOP ANY WATER FROM ENTERING. SECURED BOTH COVERS WITH TAPE

MODEL # LA-08 SERIAL # NO S/N ON UNIT

SYSTEM CERTIFIED		SYSTEM PSD		SYSTEM RUNNING	
(YES)	NO	YES	(NO)	(YES)	NO

WASTE OIL		SYSTEM SEALED	
YES	(NO)	(YES)	NO

RECEIVED ALARM CALL AT: _____

LEFT FOR JOB SITE: _____

ARRIVED AT JOB SITE: _____

LEFT JOB SITE: _____

RETURNED TO BASE: _____

Department of Environmental Health Services
385 N. Arrowhead
San Bernardino, CA 92415

Permit Application

☒ 01 New Permit ☐ 02 Provisional Permit	☐ 03 Installed before July 1, 1984 ☐ 04 Installed after July 1, 1984	☐ 05 Renewed Permit	☐ 06 Amended Permit

I Owner

Name (Corporation, Individual or Public Agency)			
SOUTHERN CALIFORNIA EDISON COMPANY			
Street Address	**City**	**State**	**ZIP**
2244 WALNUT GROVE AVENUE	ROSEMEAD	CA	91770

II Facility

Facility Name	Dealer/Foreman/Supervisor		
ETIWANDA GENERATING STATION	MR. ROB ZANDBERGEN		
Street Address	**Nearest Cross Street**		
8996 ETIWANDA AVENUE	ETIWANDA AVENUE		
City	**County**	**ZIP**	
ETIWANDA,	SAN BERNARDINO	91739	
Mailing Address	**City**	**State**	**ZIP**
SAME			
Phone w/area code	**Type of Business**		
(714) 987-2561	☐ 01 Gasoline Station ☒ 02 Other: ELECTRICAL GENERATING STATION		
NUMBER OF CONTAINERS AT THIS FACILITY 3	**Rural Areas Only:** Township	Range	Section

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	*Nights:* Name (last name first) and Phone w/area code
(714) 987-2561 ETIWANDA GENERATING STATION	SAME

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Other: _____	**Container Number** (If there is no number assign one):
B. Manufacturer (if appropriate): OWENS-CORNING **Year of Mfg.:** 1985	C. Year Installed: 1985 ☐ Unknown
D. Container Capacity: 548 gallons ☐ Unknown	E. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

F. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):
☒ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____
If you answered yes; do not complete Part VIII.

V Container Construction

A. Thickness of Primary Containment: 1/4 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☒ 01 Double Walled ☐ 02 Single Walled ☐ 03 Lined

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☒ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum
☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls
☐ 12 Unknown ☐ 13 Other: _____

Container Construction

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining
☐ 07 Unlined ☐ 08 Unknown ☒ 09 Other: FIBERGLAS

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection
☐ 04 Unknown ☒ 05 None ☐ 06 tar or asphalt ☐ 09 Other·

VI Piping

A. Aboveground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☐ 03 Gravity ☐ 04 Pressure ☐ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☒ 07 None

B. Underground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☐ 03 Gravity ☐ 04 Pressure ☒ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☐ 07 None MEMBRANE LINED - HYTREL

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☒ 05 Sensor Instrument
☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None
☐ 10 Other: LEAK ALERT BY UNIVERSAL

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-F you are not required to complete this section.

currently stored	previously stored	CAS # (If known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☐ 02 No

Person Filing (Signature)	Phone w/area code
Wendell Tsujama	818/302-1801

For Local Agency Use Only

AGENCY NAME	CITY	COUNTY
CONTACT PERSON	PHONE W/AREA CODE	
INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number
Date Received	☐ 01	☐ 02 ☐ 03

May 30, 1986

COUNTY OF SAN BERNARDINO

SUBJECT: Leak Detection Plan

Southern California Edison's
Etiwanda Generating Station
8996 Etiwanda Avenue
Etiwanda, California 91739

The Southern California Edison Company is implementing a phased replacement program for its existing underground tanks by September 1, 1988. Two (2) of the three (3) tanks at the above facility were removed in February 1986 (see attached letter, County of San Bernardino). The third tank (SCE No. 455) was removed and a new double-walled tank with a continuous electronic leak detector, lined piping and a central alarm was installed.

Included as part of this Leak Detection Plan are:

1. Map of the facility, with locations of tanks;

2. Description of each tank (State Hazardous Substance Storage Statement); and

3. Brief description of the hydrogeology of the facility.

Questions regarding this Leak Detection Plan should be directed to me at (818) 302-1428. All correspondence should be mailed to the owner of the facility (Southern California Edison, P.O. Box 800, Attention: William R. West, Environmental Operations, Rosemead, California 91770).

Authorized Signature: William R. West
Environmental Specialist

Hydrogeology of the Facility

Facility: Etiwanda Generating Station, San Bernardino Co.

Address: 8996 Etiwanda Avenue, Etiwanda, California

A. Depth to Ground Water

1. Average Depth (ft.): 385 feet

2. Minimum Depth (ft.):

3. Maximum Depth (ft.):

B. Ground Water Flow Direction

1. Site Specific: from the northeast to the southwest

2. Regional: from the northeast to the southwest

C. Quality of Ground Water:
175-250 mg/l TDS (fresh water)

D. Ground Water Usage

1. Domestic: X

2. Industrial: X

3. Agricultural:

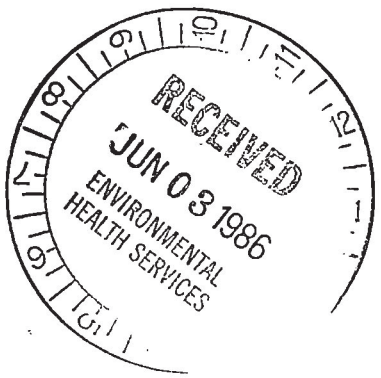
4. Other:

5. Location of Nearest Well:
- 3 SCE wells on site
- 8 industrial and domestic wells within 1 mile of site

E. Location of Nearest Surface Water Body:
- 2 unnamed stream channels on site
-East Etiwanda Creek flows to the south and is located approximately 400 feet of the site

F. Description of Soil Types:
0-100 feet: Silty sand, with layers of sand, clayey sand and scattered lenses of gravel
100-400 feet: Varies from clay to sandy clay on east side of site to sand and gravel on west side of site.
400 feet to bedrock (about 1000 feet) - sand and gravel with interbedded clay deposits

G. References:


RECEIVED
JUN 03 1986
ENVIRONMENTAL
HEALTH SERVICES

1853

County of San Bernardino

KENNETH C. TOPPING
Deputy Administrator
Development Services

RICHARD L. ROBERTS, R.S., M.P.H.
Director

Also serving the cities of:

Adelanto	*Needles*
Barstow	*Ontario*
Big Bear Lake	*Rancho Cucamonga*
Chino	*Redlands*
Colton	*Rialto*
Fontana	*San Bernardino*
Grand Terrace	*Upland*
Loma Linda	*Victorville*
Montclair	

ENVIRONMENTAL PUBLIC WORKS AGENCY

ENVIRONMENTAL HEALTH SERVICES

☒ 385 North Arrowhead Avenue
San Bernardino, CA 92415-0160
(714) 383-1617

☐ 320 East "D" Street
Ontario, CA 91764
(714) 988-1324

☐ 15505 Civic Center Drive
Victorville, CA 92392
(619) 243-8141

☒ Haz Waste & Toxics
(714) 383-7170

PLEASE REPLY TO ADDRESS CHECKED

January 21, 1986

Southern California Edison
P.O. Box 800
Rosemead, CA 91770

ATTN: WENDELL SUYAMA

SUBJECT: UNDERGROUND TANK INSTALLATION AT 8996 ETIWANDA AVENUE, ETIWANDA, CA

The plans submitted for the underground storage facility at 8996 Etiwanda Avenue, Etiwanda, CA have been conditionally approved. The approval includes containment and leak detection systems for the tanks and piping and overfill protection for the tanks. It shall not take the place of any other required approvals (e.g., fire, electric, air quality). Additional recommendations and/or requirements are:

1). All monitoring points must be provided with tamper proof, fluid tight access.

The completed system must be hydrostatically tested, pressure tested or equivalent in the presence of an inspector before backfilling is completed. Tanks and suction system piping are to be pressure tested at 4.5 to 5.0 PSI for 30 minutes prior to final approval.

The first required inspection will be prior to setting the tanks. Appropriate bedding material must be in place and U.L. numbers will be verified at this time. Please advise us at least 48 hours in advance of requested inspection time.

If you have any questions please call at (714) 383-7170 or (714) 383-1856.

RICHARD L. ROBERTS, R.S., MPH
Director

Lynette E Reichert

LYNETTE E. REICHERT, MPH
Environmental Specialist I

RLR:LER:vb

Please Print

Submit to:
San Bernardino County Department of Environmental Health Services
385 North Arrowhead, San Bernardino, CA 92415

APPLICATION FOR REMOVAL OF UNDERGROUND TANK

Fee:

$ 98.00 First Tank
$ 48.00 Each Additional Tank

DATE: _____

Job Location

WENDELL SUYAMA (ETIWANDA GENERATING STATION) — (818) 302-1801
Facility Name or Contact Person — Phone #

8996 ETIWANDA AVENUE
Situs Address

ETIWANDA, — CALIFORNIA — 91739
City — State — Zip Code

Contractor

Name — Phone #

Mailing Address

City — State — Zip Code

Owner

SOUTHERN CALIFORNIA EDISON COMPANY — (818) 302-1801
Name — Phone #

POST OFFICE BOX 800
Mailing Address

ROSEMEAD, — CALIFORNIA — 91770
City — State — Zip Code

Tank Data

Construction	Size	Contents	U.L. Number
STEEL		GASOLINE	
STEEL		SOLVENT	
STEEL		NAPHTHA	

Workman's Comp. Carrier & Policy #:

Fire Agency:

Water & Sewer Agency:

Owner's Representative: WENDELL SUYAMA (818) 302-1801

Signature

Date

OFFICE USE ONLY

Submit to:
San Bernardino County De_ rtment of Environmental H lth Services
385 North Arrowhead, San Bernardino, CA 92415

Please Prin

UNDERGROUND TANK INSTALLATION APPLICATION

82.00
$~~175.00~~ First Tank
$~~45.00~~ Each Additional Tank
48.00

DATE: _____

Job Location

WENDELL SUYAMA — (818) 302-1801
Facility Name or Contact Person — Phone #

8996 ETIWANDA AVENUE
Situs Address

ETIWANDA, — CALIFORNIA — 91739
City — State — Zip Code

Contractor

Name — Phone #

Mailing Address

City — State — Zip Code

Owner

SOUTHERN CALIFORNIA EDISON — (818) 302-1801
me — Phone #

POST OFFICE BOX 800
Mailing Address

ROSEMEAD, — CALIFORNIA — 91770
City — State — Zip Code

Tank Data

Construction	Size	Contents	U.L. Number
FIBERGLAS	4' 3½" X 6' 11-1/8"	UNL. GASOLINE	

Workman's Comp. Carrier & Policy #: _____

Fire Agency: _____

Water & Sewer Agency: _____

Owner's Representative: WENDELL SUYAMA

_____
Signature

_____
Date

OFFICE USE ONLY

AMOUNT: _____
CHECK #: _____
DATE PAID: _____
TAKEN BY: _____

Official Registration Form

California Water Resources Control B[illegible]

Hazardous Substance Storage S[illegible]ement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency)			
Southern California Edison Company			
Street Address	City	State	ZIP
2244 Walnut Grove Avenue	Rosemead	CA	91770

II Facility

Facility Name	Dealer/Foreman/Supervisor	
Etiwanda Generating Station	Rob Zandbergen	
Street Address	Nearest Cross Street	
8996 Etiwanda Ave.	Foothill Blvd.	
City	County	ZIP
Etiwanda	San Bernardino	91739
Mailing Address	City	State / ZIP
8996 Etiwanda Ave.	Etiwanda	CA 91739
Phone w/area code (714) 987-2561	Type of Business	

FOR STATE USE ONLY

ID Number	Accounting Number	County Number	
Date Received	☐ 01	☐ 02	☐ 03

For additional forms or more information call 916/324-1262

Person Filing Statement	Phone w/area code

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes, Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☒ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (If known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located. 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature | Date

LEAK ALERT SERVICE INC.
449 E. 60TH STREET
LONG BEACH, CA 90805
213/428-0026

OFFICIAL START-UP AND CALIBRATION

COMPANY NAME: SCE

LOCATION: 8996 ETIWANDA
RANCHO CUCAMONGA

On 3-13-86, Leak Alert Service Company, Inc., a duly authorized service representative of Universal Sensors & Devices, Inc., started up and calibrated LA 08 Alarm Panel.

2 Vapor Probe(s) and/or 2 Liquid Probe(s) and/or Leak Rater were tested individually and found to be in working order. Alarm Panel was marked for I.D., tagged, and sealed with Leak Alert Service Company, Inc. # 2 seal.

SIGNED BY: [signature]

LAS03


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MAR 27 1986
ENVIRONMENTAL
HEALTH SERVICES

1853

County of San Bernardino

KENNETH C. TOPPING
Deputy Administrator
Development Services

RICHARD L. ROBERTS. R.S., M.P.H.
Director

Also serving the cities of:

Adelanto	*Needles*
Barstow	*Ontario*
Big Bear Lake	*Rancho Cucamonga*
Chino	*Redlands*
Colton	*Rialto*
Fontana	*San Bernardino*
Grand Terrace	*Upland*
Loma Linda	*Victorville*
Montclair	

ENVIRONMENTAL PUBLIC WORKS AGENCY

ENVIRONMENTAL HEALTH SERVICES

☒ 385 North Arrowhead Avenue
San Bernardino, CA 92415-0160
(714) 383-1617

☐ 320 East "D" Street
Ontario, CA 91764
(714) 988-1324

☐ 15505 Civic Center Drive
Victorville, CA 92392
(619) 243-8141

☒ Haz Waste & Toxics
(714) 383-7170

PLEASE REPLY TO ADDRESS CHECKED

January 21, 1986

Southern California Edison
P.O. Box 800
Rosemead, CA 91770

ATTN: WENDELL SUYAMA

SUBJECT: UNDERGROUND TANK INSTALLATION AT 8996 ETIWANDA AVENUE, ETIWANDA, CA

The plans submitted for the underground storage facility at 8996 Etiwanda Avenue, Etiwanda, CA have been conditionally approved. The approval includes containment and leak detection systems for the tanks and piping and overfill protection for the tanks. It shall not take the place of any other required approvals (e.g., fire, electric, air quality). Additional recommendations and/or requirements are:

1). All monitoring points must be provided with tamper proof, fluid tight access.

The completed system must be hydrostatically tested, pressure tested or equivalent in the presence of an inspector before backfilling is completed. Tanks and suction system piping are to be pressure tested at 4.5 to 5.0 PSI for 30 minutes prior to final approval.

The first required inspection will be prior to setting the tanks. Appropriate bedding material must be in place and U.L. numbers will be verified at this time. Please advise us at least 48 hours in advance of requested inspection time.

If you have any questions please call at (714) 383-7170 or (714) 383-1856.

RICHARD L. ROBERTS, R.S., MPH
Director

Lynette E. Reichert

LYNETTE E. REICHERT, MPH
Environmental Specialist I

RLR:LER:vb

1853

County of San Bernardino

KENNETH C. TOPPING
Deputy Administrator
Development Services

RICHARD L. ROBERTS. R.S., M.P.H.
Director

Also serving the cities of:

Adelanto	*Needles*
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Montclair	

ENVIRONMENTAL PUBLIC WORKS AGENCY

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Victorville, CA 92392
(619) 243-8141

☒ Haz Waste & Toxics
(714) 383-7170

PLEASE REPLY TO ADDRESS CHECKED

December 27, 1985

Southern California Edison Company
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770

ATTN: WENDELL SUYAMA

SUBJECT: SITE INVESTIGATION AT THE ETIWANDA GENERATING STATION, 8996 ETIWANDA AVENUE, ETIWANDA, CA

After reviewing the investigation and remedial action reports concerning soil contamination in the vicinity of the underground storage tanks at the Etiwanda Generating Station, this Department concurs that the levels of contamination found do not present an environmental or public health threat.

It was indicated in the report that you intend to close the kerosene and naptha tanks and replace the unleaded gasoline tanks. Please find enclosed copies of the applications, and standards the County of San Bernardino requires when performing these modifications.

If you have any questions, please call at (714) 383-7170 or (714) 383-1856.

RICHARD L. ROBERTS, R.S., MPH
Director

Ronald A. Ripley

RONALD A. RIPLEY, R.S.
Environmental Specialist III

RLR:RAR:vb
Enclosures

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

December 11, 1985

Mr. Ron Ripley
County of San Bernardino
Department of Environmental Health Services
365 North Arrowhead Avenue
San Bernardino, CA 92415

Dear Mr. Ripley:

Subject: Etiwanda Generating Station - Remedial Action Report

The following summary and supporting reports are submitted by Southern California Edison Company (SCE) to document the results of a site investigation conducted at our Etiwanda Generating Station which is located in San Bernardino County. The site investigation and precision tank integrity test (PetroTite) were conducted as part of a plan to close the kerosene and naptha tanks and replace the unleaded gasoline tank.

Facility

Etiwanda Generating Station
8996 Etiwanda Avenue
Etiwanda, CA

Tanks

Unleaded gasoline storage (SCE No. 455), 550 gallon capacity.
Kerosene storage (SCE No. 456), 550 gallon capacity.
Naptha storage (SCE No. 457), 120 gallon capacity.

The unleaded gasoline tank was reported to you earlier as having failed the precision test.

Site Investigation

Investigation of the site was initiated by Southern California Edison's Geotechnical Engineering Group and Environmental Operations Division to determine site integrity.


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DEC 19 1995
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HEALTH SERVICES

A private geotechnical consultant was retained to conduct the site investigation (consultant's report is attached). The site investigation consisted of five borings around the subject tanks. Soil samples were taken at depths of 5, 10, 20, 30, and 40 feet, and analyzed for total petroleum hydrocarbon.

Findings

Soil and Geological Conditions

Materials encountered consisted of well graded sand and gravelly sand to the forty-foot depth investigated.

Ground water is over 100 feet deep.

Test Results

Traces of total petroleum hydrocarbons were found in the upper ten feet of the borings, however, the highest concentration was only 11 ppm.

Conclusions

Trace Soil Contamination

The site investigation found low concentrations of total petroleum hydrocarbons in the upper portion of the soil column. The pattern and concentration of the soil contamination indicates that the existence of the total petroleum hydrocarbons is probably the result of small quantity surface spillage.

No Ground Water Contamination

The results of the soil sampling indicates that contamination did not migrate far enough to threaten the ground water.

Need for Cleanup

Based on the findings of the site investigation, only a small amount of petroleum hydrocarbons appears to remain in the soil. We believe the low level contamination does not pose a threat to either the public health or the environment and for all practical purposes, the site is clean.

Long Term Plans

All three existing tanks will be permanently closed by removal, only the unleaded gasoline tank will be replaced with a new secondarily contained underground tank. The kerosene and naptha tanks will not be replaced with underground tanks. Closure of the existing tanks and installation of the new unleaded gasoline tank has been scheduled for January 1986.

Should you have any questions regarding this submittal, please contact me at (818) 302-1801.

Sincerely,

Wendell Suyama

Wendell Suyama

Enclosures

ETIWANDA GENERATING STATION
UNDERGROUND TANK SITE INVESTIGATION RESULTS

A site investigation was conducted for the underground hazardous material storage tanks at Etiwanda Generating Station. The site includes the following tanks:

Tank No.	Capacity	Content
455	550 gallons	unleaded
456	550 gallons	kerosene
457	120 gallons	naptha

As indicated by the attached "Report of Soil Testing and Geologic Investigation", the site investigation included five (5) soil borings in the immediate area of the underground tanks. Soil samples were taken at 5 levels to a depth of 40 feet. The soil samples were analyzed for total petroleum hydrocarbons by Truesdail Laboratories, Inc. using EPA method 418.1. Attached is a copy of the certified laboratory report. The analysis results ranged from none detected to 11 ppm. These concentrations are low and indicate no significant contamination. It is concluded that no site cleanup is necessary.

The naptha tank has been out of service for several years and is no longer needed. The kerosene tank, although presently being used, can be replaced by above-ground storage. It is recommended that the kerosene and the naptha tanks be closed. It is further recommended that closure be by removal.

There is a continuing need for the unleaded fuel tank, therefore this tank will be replaced by a double containment tank. It is anticipated that the removal of the naptha and kerosene tanks and the replacement of the unleaded tank will be done as one effort during January 1986.

R. A. DE LA PARRA 12/10/85

RAP:4427w
Attachment

CE 1930

Dale Hinkle, P.E.

25255 CABOT ROAD, SUITE #226
LAGUNA HILLS, CA 92653
OFC. (714) 458-0498
HOME (714) 495-6097

October 13, 1985

Mr. Shahen Askari
Southern California Edison Company
P.O. Box 800
Rosemead, California 91770

Dear Mr. Askari:

Subject: Report of Soil Testing and
Geologic Investigation
Tank Abandonment Study
Etiwanda Generating Station

Introduction

At your request, we have performed a soil testing and geologic investigation at the above-referenced site. The investigation was intended to sample the soils immediately in the area of the tanks. The samples were tested to determine the extent of any migration of motor fuels and solvents from the existing tanks. The existing tanks consist of 550-gallon unleaded gasoline and kerosene tanks and a 120-gallon naptha tank. The tank site is located within the Generating Station as shown on Figure 1.

Testing Program

The testing program at this site consisted of performing five borings in the immediate area of the tanks. The locations of the tanks and borings are shown on Figure 2. The borings were performed using a Mobile B-61 hollow stem auger. Samples were obtained at depths of 5, 10, 20, 30 and 40 feet. The augers were steam cleaned before each boring. The samples were collected in a California Ring Sampler with 1-7/8" I.D. stainless steel liners. The sampler was cleaned between each test. The samples were removed from the sampler, then an aluminum sheet placed over each end with a tight-fitting plastic cap taped over the aluminum sheet. The samples were immediately refrigerated and taken to the Truesdail Laboratories at the end of each day.

Upon completion of drilling, the holes were backfilled, tamped and the pavement patched with asphalt.

The borings were logged by a Certified Engineering Geologist. The Logs of Borings are attached. All work was performed in accordance with requirements outlined in the Los Angeles County engineering publication entitled "Underground Storage of Hazardous Materials Guidelines" dated October, 1984.

Subsurface Soil and Geologic Conditions

The geologic conditions at this site consist of deep natural alluvial deposits. The area is an alluvial fan created by the San Bernardino Mountains with deposits of sands and gravels to a depth of over 300 feet.

The materials encountered in this investigation consisted of well graded sand and gravelly sand to the forty-foot depth investigated. The materials were dense and moist and, in some cases, were tank backfill.

Groundwater is estimated to be over 100 feet deep and of good quality. The Generating Station uses water from its wells for make-up. The water from this site usually contains less than 300 ppm total dissolved solids based on past experience at this site.

Test Results and Conclusions

The chemical test results (see Table 1) showed minor traces of hydrocarbon in the upper 10 feet at Borings 1, 2 and 3, but the highest reading was 11 ppm. These very low hydrocarbon readings indicate that very little contamination exists.

The minor amount of hydrocarbons present should never reach the water table and, therefore, should cause no other problems at this site.

It has been our pleasure to be of service to you. If you have any further questions, please do not hesitate to call.

Sincerely,

Dale Hinkle

Dale Hinkle, P.E.

R. Merriam
CEG #850

Attachments

TABLE 1

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH – DEVELOPMENT – TESTING

14201 FRANKLIN AVENUE
TUSTIN, CALIFORNIA 92680
AREA CODE 714 • 730-6239
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Southern California Edison Co.
P.O. Box 800
Rosemead, Ca. 91770
Attention: Ralph De La Parra

DATE Sept. 24, 1985

RECEIVED Sept. 13, 1985

LABORATORY NO. 07148

SAMPLE Soils from Etiwanda Generating Station

P.O. No. C1305903

INVESTIGATION Total Petroleum Hydrocarbons (EPA 418.1)

RESULTS

Sample	Milligrams per Kilogram	Sample	Milligrams per Kilogram
SB1-5'	8.8	SB4-5'	<1.
-10'	6.	-10'	3.
-20'	6.	-20'	<1.
-30'	9.3	-30'	<1.
-40'	<1.	-40'	<1.
SB2-10'	11.	SB5-5'	<1.
-20'	7.0	-10'	<1.
-30'	<1.	-20'	<1.
-40'	<1.	-30'	<1.
		-40'	<1.
SB3-5'	7.8		
-10'	4.9		
-20'	<1.		
-30'	<1.		
-40'	<1.		

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Richard D. Reid
Chief Water Chemist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-1 DATE DRILLED 9/13/85 SHEET 1 OF 2
PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA
LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"
GROUND ELEVATION Pavement CONTRACTOR Pioneer
DEPTH TO WATER TABLE NE DRILLER Jim
DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES				SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS	UNDIST.	BAG		
						0	A.C. Pavement
						1	Sand (SW), brown, moist, medium dense, some pebbles, gasoline odor.
						2	
						3	
						4	
140	30	12	18	9 9		5	Sand (SW), yellowish brown, moist, fine to medium gradation, medium dense.
						6	
						7	
						8	
						9	
140	30	12	33	13 20		10	Sand (SW), yellowish brown, moist, dense fine to medium gradation.
						11	
						12	
						13	
						14	
						15	
						16	
						17	
						18	
140	30	12	54	23 31		19	Grading Same
						20	

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-1 DATE DRILLED 9/13/85 SHEET 2 OF 2
PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA
LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"
GROUND ELEVATION Pavement CONTRACTOR Pioneer
DEPTH TO WATER TABLE NE DRILLER Jim
DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES				SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS	UNDIST.	BAG		
						20	Silty sand (SM), yellowish brown, moist, dense, well graded.
						21	
						22	
						23	
						24	
						25	
						26	
						27	
						28	
						29	
140	30	12	56	24 32		30	Sand (SW), yellowish brown, moist, dense, medium grained, few fines, some scattered 1" pebbles.
						31	
						32	
						33	
						34	
						35	
						36	
						37	
						38	
140	30	12	42	21 21		39	
						40	BOTTOM

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-2 **DATE DRILLED** 9/13/95 **SHEET** 1 **OF** 2
PROJECT Etiwanda Gen. Station **EXPLORATION METHOD** HSA
LOCATION Gasoline Tanks - See Plan **SIZE OF HOLE** 8"
GROUND ELEVATION Pavement **CONTRACTOR** Pioneer
DEPTH TO WATER TABLE NE **DRILLER** Jim
DEPTH TO TOP OF SOLID ROCK NE **INSPECTOR** R. Merriam

UNDISTURBED SAMPLES				SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS	UNDIST.	BAG		
						0	A.C. Pavement
						1	Sand (SW), brown, moist, loose, medium grain size with gravels up to 1".
						2	
						3	
						4	
140	30	12	7	3/4		5	Sand (SW), yellowish brown, moist, loose, clean, medium grained, probably backfill.
SAMPLE LOST						6	
						7	
						8	
						9	
140	30	12	29	12/17		10	
						11	
						12	
						13	
						14	
						15	Silty sand (SM), yellowish brown, moist, dense, fine to medium gradation.
						16	
						17	
						18	
140	30	12	53	25/28		19	
						20	

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-2 DATE DRILLED 9/13/85 SHEET 2 OF 2
PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA
LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"
GROUND ELEVATION Pavement CONTRACTOR Pioneer
DEPTH TO WATER TABLE NE DRILLER Jim
DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES				SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS	UNDIST.	BAG		
						20	Silty sand (SM), yellowish brown, moist, medium grained, dense.
						21	
						22	
						23	
						24	
						25	
						26	
						27	
						28	
						29	
140	30	12	36	18 18		30	Sand (SW), yellowish brown, moist, medium to coarse, some gravels to ¼".
						31	
						32	
						33	
						34	
						35	Silty sand (SM), yellowish brown, moist, dense, well graded to medium size.
						36	
						37	
						38	
						39	
140	30	12	28	12 16		40	BOTTOM

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-3 DATE DRILLED 9/13/85 SHEET 1 OF 2

PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA

LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"

GROUND ELEVATION Pavement CONTRACTOR Pioneer

DEPTH TO WATER TABLE NE DRILLER Jim

DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES					SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS		UNDIST.	BAG		
							0	A.C. Pavement
							1	Sand (SW), brown, moist, medium dense, well graded.
							2	
							3	
							4	
140	30	12	29	12/17			5	Sand (SW), brown, moist, dense, coarse, some gravels.
							6	
							7	
							8	
							9	
140	30	12	29	15/14			10	Silty sand (SM), yellowish brown, moist, dense, well graded, fine sand.
							11	
							12	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
140	30	12	32	15/20			20	

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-3 DATE DRILLED 9/13/85 SHEET 2 OF 2
PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA
LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"
GROUND ELEVATION Pavement CONTRACTOR Pioneer
DEPTH TO WATER TABLE NE DRILLER Jim
DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES				SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS	UNDIST.	BAG		
						20	Silty sand (SM), brown, moist, well graded, dense.
						21	
						22	
						23	
						24	
						25	
						26	
						27	
						28	
						29	
140	30	12	52	24/28		30	Sand (SW), yellowish brown, moist, dense, well graded, medium to fine size.
						31	
						32	
						33	
						34	
						35	
						36	
						37	
						38	
						39	
140	30	12	46	22/24		40	BOTTOM

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-4 DATE DRILLED 9/13/85 SHEET 1 OF 2

PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA

LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"

GROUND ELEVATION Pavement CONTRACTOR Pioneer

DEPTH TO WATER TABLE NE DRILLER Jim

DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES					SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS		UNDIST.	BAG		
							0	A.C. Pavement
							1	Sand (SW), brown, moist, medium dense, medium to coarse graded.
							2	
							3	
							4	
140	30	12	25	12/13			5	
							6	
							7	
							8	Sand (SW), yellowish brown, moist, dense, medium grained.
							9	
140	30	12	38	13/25			10	
							11	
							12	
							13	
							14	
							15	
							16	
							17	
							18	Sand (SW), yellowish brown, moist, dense, coarse with gravels well graded.
140	30	12	51	23/28			19	
							20	

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-4 DATE DRILLED 9/13/85 SHEET 2 OF 2
PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA
LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"
GROUND ELEVATION Pavement CONTRACTOR Pioneer
DEPTH TO WATER TABLE NE DRILLER Jim
DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES				SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS	UNDIST.	BAG		
						20	Sand (SW), yellowish brown, moist, dense, well graded, medium to coarse with some gravels.
						21	
						22	
						23	
						24	
						25	
						26	
						27	
						28	
140	30	12	40	20 20		29	Silty sand (SM), yellowish brown, moist, dense, medium to fine sand.
						30	
						31	
						32	
						33	
						34	
						35	
						36	
						37	
						38	
140	30	12	48	24 24		39	
						40	BOTTOM

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-5 DATE DRILLED 9/13/85 SHEET 1 OF 2
PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA
LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"
GROUND ELEVATION Pavement CONTRACTOR Pioneer
DEPTH TO WATER TABLE NE DRILLER Jim
DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

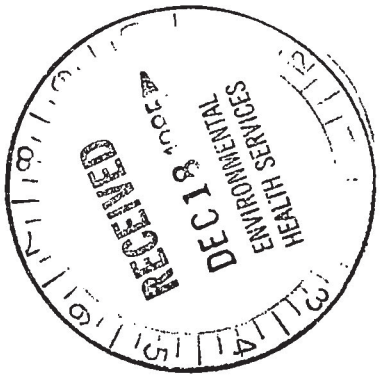
UNDISTURBED SAMPLES					SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS		UNDIST.	BAG		
							0	A.C. Pavement
							1	Sand (SW), brown, moist, medium dense, well graded, medium to coarse grained.
							2	
							3	
							4	
140	30	12	17		7 10		5	
							6	
							7	
							8	
							9	
140	30	12	21		7 14		10	Silty sand (SM), yellowish brown, moist, dense, well graded, silt to fine sand.
							11	
							12	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
140	30	12	34		13 21		20	

LOG OF BORING

DALE HINKLE, P.E.

HOLE NO. SB-5 DATE DRILLED 9/13/85 SHEET 2 OF 2
PROJECT Etiwanda Gen. Station EXPLORATION METHOD HSA
LOCATION Gasoline Tanks - See Plan SIZE OF HOLE 8"
GROUND ELEVATION Pavement CONTRACTOR Pioneer
DEPTH TO WATER TABLE NE DRILLER Jim
DEPTH TO TOP OF SOLID ROCK NE INSPECTOR R. Merriam

UNDISTURBED SAMPLES				SAMPLES		DEPTH FEET	FIELD DESCRIPTION
WEIGHT POUNDS	DROP INCHES	INCHES DRIVEN	TOTAL BLOWS	UNDIST.	BAG		
						20	Sand (SW), yellowish brown, moist, dense, coarse with some gravels.
						21	
						22	
						23	
						24	
						25	
						26	
						27	
						28	
						29	
140	30	12	52	21/31		30	Sand (SW), yellowish brown, moist, dense, medium to fine grained.
						31	
						32	
						33	
						34	
						35	
						36	
						37	
						38	
						39	
140	30	12	46	22/24		40	BOTTOM


RECEIVED
DEC 18
ENVIRONMENTAL
HEALTH SERVICES

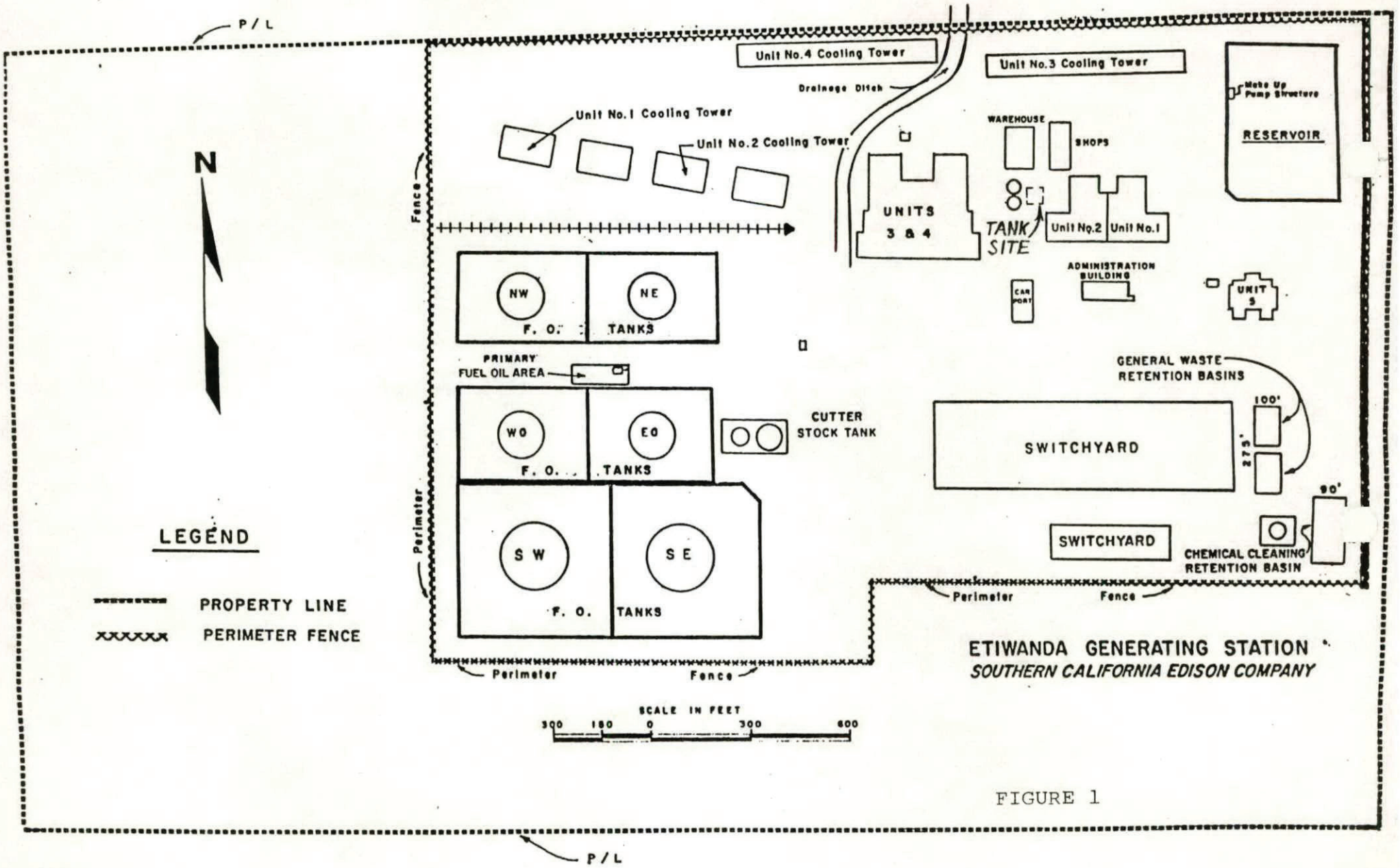

P/L
Unit No.4 Cooling Tower
Unit No.3 Cooling Tower
Drainage Ditch
Make Up Pump Structure
RESERVOIR
Unit No.1 Cooling Tower
Unit No.2 Cooling Tower
WAREHOUSE
SHOPS
Fence
UNITS 3 & 4
TANK SITE
Unit No.2
Unit No.1
ADMINISTRATION BUILDING
CAR PORT
UNIT 5
NW
NE
F. O.
TANKS
PRIMARY FUEL OIL AREA
GENERAL WASTE RETENTION BASINS
CUTTER STOCK TANK
WO
EO
F. O.
TANKS
SWITCHYARD
100'
275'
90'
SW
SE
F. O.
TANKS
SWITCHYARD
CHEMICAL CLEANING RETENTION BASIN
Perimeter
Fence
N
LEGEND
PROPERTY LINE
PERIMETER FENCE
Perimeter
Fence
SCALE IN FEET
300 180 0 300 600
ETIWANDA GENERATING STATION
SOUTHERN CALIFORNIA EDISON COMPANY
P/L

FIGURE 1

UNIT Nº 4 COOLING TOWER

UNIT Nº 5 COOLING TOWER

UNITS Nº 1 & 2 COOLING TOWERS

RESERVOIR

WARE-HOUSE

SHOPS

FUEL DISPENSER

WELL WATER STORAGE TK.

WATER TREATMENT PLANT

DISTILLED WATER TKS.

UNIT Nº 4

UNIT Nº 3

UNIT Nº 2

UNIT Nº 1

U/G FUEL TANK (GASOLINE)

CARPORT

ADM. BUILDING

ETIWANDA AVE.

CUTTER STOCK TANK

SWITCHYARD

8'-0 HIGH CHAIN-LINK FENCE W/ OUTRIGGER & BARBED-WIRE TOP (TYPICAL)

WASTE WATER SUMP

SWITCHYARD

FUEL OIL TANKS

RETENTION BASIN

PROPERTY LINE

S. 10+00

S. 12+00

S. 16+00

S. 20+00

S. 24+00

S. 28+00

S. 32+00

W. 44+00

W. 40+00

W. 36+00

W. 32+00

W. 28+00

W. 24+00

W. 20+00

PLOT / SITE PLAN

SCALE : 1" = 120'-0"

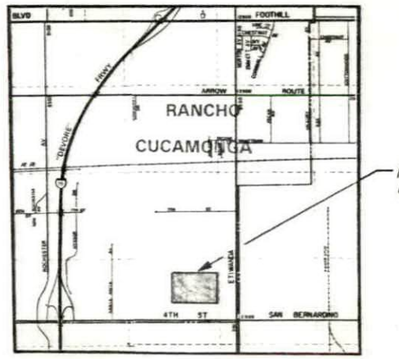
ETIWANDA STEAM STATION
8996 ETIWANDA AVE.
ETIWANDA, CALIFORNIA

REFERENCE DRAWING	NUMBER



SEE AREA VICINITY PLAN THIS DWG.

LOCATION PLAN
NO SCALE



PLOT/SITE LOCATION

AREA VICINITY PLAN
NO SCALE

120' 60' 0 120' 240' 360' 480'

GRAPHIC SCALE : 1" = 120'-0"

ISSUED FOR APPROVAL
MAY 27 1986

NO.	DATE	REVISION	DES	CHK	SUPV.	PROJ. ENGR.	MGR. ENGR.	CL'T
A	5/27/86	ISSUED FOR APPROVAL	DMR	DM	WB			

SCALE NOTED	SUPV. WWB	DES. DMR	CHK. DM
PROJ. ENGR.	DATE	MGR. ENGR.	DATE

WOLDER ENGINEERING
ENGINEERS & CONSTRUCTORS

SOUTHERN CALIFORNIA EDISON

ETIWANDA STEAM STATION, ETIWANDA, CALIFORNIA

PLOT / SITE PLAN
PLAN

PROJECT NO.	DRAWING NUMBER	REV.
B261-56		A

Hazardous Materials Spill Report

DATE: 05/31/2001 TIME: 2011	RECEIVED BY: OES - Joanne Phillips OSPR -	CONTROL#: OES - 01-3155 NRC -

1.a. PERSON NOTIFYING GOVERNOR'S OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Kim Brown	Reliant Resources	909-772-5574		

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	Amount	Measure	c. TYPE:	d. OTHER:
1. Cooling Tower Water	=	10,000	Gal(s)	CHEMICAL	
2.	=				
3.	=				

5/21

e. DESCRIPTION: This is a chemically treated water with hypochloride (chlorine - less than 10 ppm), sulfuric acid (probably less than 10 ppm) and corrosion inhibitors (5-10 ppm). The high level alarm failed on the cooling tower, leading to an overflow.

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:
No	Yes	Chadwick Channel

3. a. INCIDENT LOCATION: 8996 Etiwanda Ave.

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	91739

4. INCIDENT DESCRIPTION:

a. DATE:05/31/2001 **b. TIME** *(Military)*: 1945 **c. SITE:** Utilities/Substation

d. INJURIES#	e. FATALS #:	f. EVACS #:	g. CLEANUP BY:
0	0	0	Contractor

[redacted]

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:
Kim Brown	Reliant Resources	909-772-5574	

e. MAIL ADDRESS:	f. CITY:	g. STATE:	h. ZIP:
8996 Etiwanda Ave.	Rancho Cucamonga	CA	91739

6. NOTIFICATION INFORMATION:

a. ON SCENE: **b. OTHER ON SCENE:** **c. OTHER NOTIFIED:** Santa Ana RWQCB

d. ADMIN. AGENCY: San Bernardino County Health Department **e. SEC. AGENCY:**

f. NOTIFICATION LIST: **DOG Unit:** **RWQCB Unit:** 8

☒ AA/CUPA	☒ DFG-OSPR	☐ EMSA	☐ OES PLANS UNIT	☒ RWQCB	☒ USFWS
☐ AIR RESOURCES BD	☐ DHS-D.O.	☐ FEMA	☐ OES REG	☐ SFM	☐ USDOI
☐ CALTRANS	☐ DOG	☐ FOOD & AG	☐ OSHA	☒ US EPA	☐ OTHER
☐ CDF	☒ DTSC	☒ LANDS	☒ PARKS & REC	☐ USMMS	☐ NOAA-MBNMS
☒ COASTAL COM	☐ EB PARKS	☐ OES HAZMATUNIT	☐ PUC	☒ USCG	

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 5/24/01 9:29:28 AM

CO 0002320

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 2001052101S OES Number _____ Cost Recovery Request? ☐

Date In 5/21/01 Date Out 5/21/01 Time In 2:30:00 AM Time Out _____ Hrs. _____

Reporting Party KIM BROWN/RELIANT ENERGY Telephone Number _____

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA

Cross Street _____

City RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐

Environment Type: LAKE (DRY)/CREEK Rural ☐ Suburban ☐ Urban ☐ Industrial ☐

Hazmat Released? ☐ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLING TOWE WATER	20	GAL		

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☐ To: _____ DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

1 NOTIFICATION ONLY

SUSPECT PARTY

Party Name _____ DOB _____ Drivers Licence # _____

Company Name RELIANT ENERGY Establishment # _____

Street Number 8996 Street Direction ___ Street Name ETIWANDA

City RANCHO CUCAMONGA State CA Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name _____

Street Number _____ Street Direction ___ Street Name _____

Date of Entry Thursday, May 24, 2001 Entered By NICHOLAS, SANDY HMRR Number 2001052101S

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 5/24/01 9:29:29 AM

City _____ State _____ Zip Code _____ Phone _____

NARRATIVE AND ADDITIONAL INFORMATION

KIM CALLED IT IN AS A NOTIFICATION ONLY. A COOLING TOWER HAD OVERFLOWED CAUSING A RELEASE OF 2 OR 3 GALLONS WENT INTO A DRY CREEK BED IN THEIR AREA.

Date of Entry Thursday, May 24, 2001 Entered By NICHOLAS, SANDY HMRR Number 2001052101S

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION

HAZARDOUS MATERIALS RESPONSE REPORT

DATE 5/21/01 TIME 3:35

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 20010521015 OES Number _____ COST RECOVERY YES / NO
Date In 5-21-01 Date Out 5-21-01 Time In 2:30 Time Out _____ Hrs. ____
Reporting Party Kim Brown / Reliant Energy Telephone Number _____

INCIDENT LOCATION

Street Number 8996 Street Direction __ Street Name Etiwanda
Cross Street _____
City* Rancho Cucamonga Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* Facility Site Response Team Responded? Y/N __
Environment Type:* dry creek/site Rural ☐ Suburban ☐ Urban ☐ Industrial ☐
Hazmat Released? Y/N __ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Containec ☐

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	Cooling tower water w/mixture of ~~phosphate~~ sulfuric acid	20	gal		
2.					
3.					
4.					

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated ____ Miles
Hospitalization Required? ☐ How Many? ____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☐ To: _____ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency _____ 3rd Agency _____
2nd Agency _____ 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD __ PD __ Road __ Public Works __ Parks __ Health __
County Agencies: FD X SO __ Road __ District Attorny__ Flood Control__ Agriculture__ Health__
State Agencies: CDF __ CHP __ DTSC __ Caltrans __ RWQBC __ CDFG __ CalOSHA __
Federal Agencies: USFS __ EPA __ USCG __ BLM __ DOJ __ ERDA __ FedOSHA __

SBCFDHMD RESPONDERS ON SCENE*

1. _____ 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name _____ DOB _____ Driver's License # _____
Company Name Reliant Energy Establishment # _____
Street Number 8996 Street Direction __ Street Name Etiwanda
City* Rancho Cucamonga State CA Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name _____
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

Date of Entry ___ / ___ / ___ Entered by* _____

NARRATIVE AND ADDITIONAL INFORMATION

Kim called it in as a notif. only.
A cooling tower had overflowed causing a release
2 or 3 gallons went into a dry creek bed in
their area.

EQUIPMENT INVENTORY INFORMATION

- ___ APR Carts
- ___ APR Masks
- ___ Banner Type
- ___ Batteries
- ___ Bleach
- ___ Boots Betex
  - ___ Latex
  - ___ PVC
  - ___ Vautex
- ___ Bootie PET
  - ___ Tyvek
- ___ Camera
- ___ CGI
- ___ Chlor-n-oil
- ___ Chlor-n-soil
- ___ Coliwasa
- ___ Drager Pump
- ___ Drager Tube
- ___ Drum 55-Gallon
- ___ Drum Liner
- ___ Duct Tape
- ___ Film 35mm
- ___ Film Polaroid
- ___ Fire Extinguisher
- ___ Flashlight
- ___ Glass Tubes
- ___ Glove Butyl
  - ___ Betex
  - ___ Latex
  - ___ Neoprene
  - ___ Nitril
  - ___ Silver
  - ___ Viton
  - ___ Vautex
- ___ HNU
- ___ IChem 125mm
- ___ IChem 250mm
- ___ IChem 500mm
- ___ Padlock
- ___ Glass Vials
- ___ PCB Kit
- ___ PH Paper
- ___ Pipette
- ___ Propane
- ___ SCBA
- ___ SCBA Cylinder
- ___ Soda Ash
- ___ Soda Baking
- ___ Suit Butyl
  - ___ Betex
  - ___ LUA
  - ___ PEC
  - ___ PVC
- ___ Paper Towel
- ___ Suit SNX
  - ___ Tyvek
  - ___ Vautex
- ___ Test Tubes
- ___ Turkey BST
- ___ Trowel Metal
  - ___ Plastic
- ___ Trash Bags
- ___ ZipLock Bag
- ___ _____
- ___ _____
- ___ _____
- ___ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$ _____
Equipment	$ _____
Agency	$ _____
Hauler	$ _____
Contractor	$ _____
_____	$ _____
Totals	$ _____

Hazardous Materials Spill Report

DATE: 05/21/2001 TIME: 1517	RECEIVED BY: OES - Sibyl Clark OSPR -	CONTROL#: OES - 01-2945 NRC -

1.a. PERSON NOTIFYING GOVERNOR'S OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Kimberly Brown	Reliant Resources	1-909-899-7204		

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	Amount	Measure	c. TYPE:	d. OTHER:
1. Well water with trace amounts of hydrochloride & sulfuric acid	=	20	Gal(s)	CHEMICAL	This water is used for cooling in the system
2.	=				
3.	=				

e. DESCRIPTION: The cooling tower overflowed, approximately 2-3 gallons went into the near by dry creek bed which is on site. Water is being allowed to dissipate on it's own.

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:
Yes	No	

3. a. INCIDENT LOCATION: 8996 Etiwanda Ave.

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	91739

4. INCIDENT DESCRIPTION:

a. DATE: 05/21/2001 b. TIME: (Military) 1511 c. SITE: Utilities/Substation

d. INJURIES#:	e. FATALS #:	f. EVACS #:	g. CLEANUP BY:
0	0	0	N/A

[redacted]

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:
Kimberly Brown	Reliant Resources	1 909 899-7204	

e. MAIL ADDRESS:	f. CITY:	g. STATE:	h. ZIP:
8996 Etiwanda Ave.	Rancho Cucamonga	CA	91739

6. NOTIFICATION INFORMATION:

a. ON SCENE: b. OTHER ON SCENE: c. OTHER NOTIFIED:

d. ADMIN. AGENCY: San Bernardino County Health Department e. SEC. AGENCY:

f. NOTIFICATION LIST: DOG Unit: RWQCB Unit: 9

☐ CALTRANS	☐ DOG	☐ FOOD & AG	☐ OSHA	☒ TIS GRA	☐ OTHER
☐ CDP	☒ DTSC	☐ LANDS	☐ PARKS & REC	☐ USMMS	☐ NOAA-MBNMS
☐ COASTAL COM	☐ PB PARKS	☐ OES HAZMATUNIT	☐ PUC	☐ USCG	

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 7/22/2002 12:18:20 PM

CO 0002935

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 2002071501 OES Number _____ Cost Recovery Request? ☐

Date In 7/15/2002 Date Out 7/15/2002 Time In 2:30:00 PM Time Out _____ Hrs. _____

Reporting Party KIM BROWN/RELIANT ENERGY Telephone Number (909) 899-7204

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA

Cross Street WHITTRAM

City RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☑

Environment Type: FACILITY SITE Rural ☐ Suburban ☐ Urban ☐ Industrial ☑

Hazmat Released? ☐ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLING TOWER WATE	5000	GAL	TOWER	

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☑ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☑ To: SARWQCB DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

SUSPECT PARTY

Party Name KIM Brown DOB _____ Drivers Licence # _____

Company Name Reliant Energy Establishment # _____

Street Number _____ Street Direction ___ Street Name _____

City _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name _____

Street Number _____ Street Direction ___ Street Name _____

Date of Entry Monday, July 22, 2002 Entered By NICHOLAS, SANDRA HMRR Number 2002071501

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 7/22/2002 12:18:20 PM

City _____ State _____ Zip Code _____ Phone _____

NARRATIVE AND ADDITIONAL INFORMATION

RELEASE DISCOVERED AT 4:00 A.M. - FIRST BROUGHT TO KIM BROWN'S ATTENTION AT 6:30 A.M. (SHE HAD DIFFICULTY GETTING THROUGH TO THE OFFICE (S0ME PHONES ARE NOT WORKING)). 5,000 GALLONS OF COOLING WATER OVER-FLOWED INTO CHADWICK CHANNEL. A VALVE GOT STUCK IN THE OPEN POSITION; IN THE CONTROL ROOM, VALVE APPEARED CLOSED. VACUUM TRUCK IS ON-SITE, REMOVING ANY PUDDLES. KIM SPOKE TO CHUCK GRIFFIN (WATER) WHO REQUESTED A SAMPLE OF THE DISCHARGE. NONE OF THE DISCHARGE RAN-OFF THE PROPERTY.

Date of Entry Monday, July 22, 2002 Entered By NICHOLAS, SANDRA HMRR Number 2002071501

NOTIFICATION ONLY

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION
HAZARDOUS MATERIALS RESPONSE REPORT

DATE ___/___/___ TIME ___:___

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 20020715RP OES Number _____ COST RECOVERY YES / NO
Date In 7/15 Date Out N/A Time In 1430 Time Out N/A Hrs. ____
Reporting Party Kim Brown Reliant Energy Telephone Number 899-7204

INCIDENT LOCATION

Street Number 8996 Street Direction _ Street Name ETIWANDA
Cross Street WHITTRAM
City* RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* FACILITY RELEASE Response Team Responded? Y/N Y
Environment Type:* _____ Rural ☐ Suburban ☐ Urban ☐ Industrial ☑
Hazmat Released? Y/N __ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Containec _

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	cooling tower WATER	5,000	GALLONS	cooling tower	N/A
2.					
3.					
4.					

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☑ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated ____ Miles
Hospitalization Required? ☐ How Many? ____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☐ To: SARWQCB Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency _____ 3rd Agency _____
2nd Agency _____ 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD __ PD __ Road __ Public Works __ Parks __ Health __
County Agencies: FD __ SO __ Road __ District Attorny__ Flood Control__ Agriculture__ Health__
State Agencies: CDF __ CHP __ DTSC __ Caltrans __ RWQBC __ CDFG __ CalOSHA __
Federal Agencies: USFS __ EPA __ USCG __ BLM __ DOJ __ ERDA __ FedOSHA __

SBCFDHMD RESPONDERS ON SCENE*

1. N/A 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name KIM BROWN DOB _____ Driver's License # _____
Company Name RELIANT ENERGY Establishment # _____
Street Number AS ABOVE Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name _____
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

Date of Entry ___ / ___ / ___ Entered by* _____

NARRATIVE AND ADDITIONAL INFORMATION

RELEASE DISCOVERED AT 4AM - FIRST BROUGHT TO KIM BROWN'S ATTENTION AT 6:30 AM (SHE HAD DIFFICULTY GETTING THROUGH TO THE OFFICE (some phones are not working) 5,000 GALLONS cooling water over - flowed into CHADWICK CHANNEL - A VALVE GOT STUCK IN THE OPEN POSITION. THO IN THE CONTROL ROOM, VALVE APPEARED CLOSED.

VACUUM TRUCK IS ON SITE REMOVING ANY PUDDLES. KIM SPOKE TO CHUCK GRIFFIN (WATER) WHO REQUESTED A SAMPLE OF THE DISCHARGE. NONE OF THE DISCHARGE RAN OFF THE PROPERTY.

EQUIPMENT INVENTORY INFORMATION

- ___ APR Carts
- ___ APR Masks
- ___ Banner Type
- ___ Batteries
- ___ Bleach
- ___ Boots Betex
  - ___ Latex
  - ___ PVC
  - ___ Vautex
- ___ Bootie PET
  - ___ Tyvek
- ___ Camera
- ___ CGI
- ___ Chlor-n-oil
- ___ Chlor-n-soil
- ___ Coliwasa
- ___ Drager Pump
- ___ Drager Tube
- ___ Drum 55-Gallon
- ___ Drum Liner
- ___ Duct Tape
- ___ Film 35mm
- ___ Film Polaroid
- ___ Fire Extinguisher
- ___ Flashlight
- ___ Glass Tubes
- ___ Glove Butyl
  - ___ Betex
  - ___ Latex
  - ___ Neoprene
  - ___ Nitril
  - ___ Silver
  - ___ Viton
  - ___ Vautex
- ___ HNU
- ___ IChem 125mm
- ___ IChem 250mm
- ___ IChem 500mm
- ___ Padlock
- ___ Glass Vials
- ___ PCB Kit
- ___ PH Paper
- ___ Pipette
- ___ Propane
- ___ SCBA
- ___ SCBA Cylinder
- ___ Soda Ash
- ___ Soda Baking
- ___ Suit Butyl
  - ___ Betex
  - ___ LUA
  - ___ PEC
  - ___ PVC
- ___ Paper Towel
- ___ Suit SNX
  - ___ Tyvek
  - ___ Vautex
- ___ Test Tubes
- ___ Turkey BST
- ___ Trowel Metal
  - ___ Plastic
- ___ Trash Bags
- ___ ZipLock Bag
- ___ _____
- ___ _____
- ___ _____
- ___ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$_____
Equipment	$_____
Agency	$_____
Hauler	$_____
Contractor	$_____
_____	$_____
Totals	$_____

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 7/19/01 3:42:19 PM

CO 0002430

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 2001071601 OES Number _____ Cost Recovery Request? ☐

Date In 7/16/01 Date Out 7/16/01 Time In 5:12:00 PM Time Out 5:30:00 PM Hrs. 0.3

Reporting Party PAUL LA CROIX/RELIANT Telephone Number (909) 899-7253

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA

Cross Street _____

City RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐

Environment Type: FACILITY SITE Rural ☐ Suburban ☐ Urban ☐ Industrial ☑

Hazmat Released? ☐ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLANT TOWER WATER	150	GAL		

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☐ To: _____ DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

1 NOTIFICATION ONLY 2 WILLIAMS, WAYNE

SUSPECT PARTY

Party Name _____ DOB _____ Drivers Licence # _____

Company Name _____ Establishment # _____

Street Number _____ Street Direction ___ Street Name _____

City _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name RELIANT ENERGY

Street Number 8996 Street Direction ___ Street Name ETIWANDA

Date of Entry Thursday, July 19, 2001 Entered By WILLIAMS, WAYNE HMRR Number 2001071601

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 7/19/01 3:42:20 PM

City RANCHO CUCAMONGA State CA Zip Code _____ Phone _____

NARRATIVE AND ADDITIONAL INFORMATION

PAUL LA CROIX OF RELIANT ENERGY MADE NOTIFICATION TO COMM CENTER OF 150 GALLONS OF COOLING TOWER WATER RELEASED TO CONTAINMENT AREA. NOTIFICATION ONLY

Date of Entry Thursday, July 19, 2001 Entered By WILLIAMS, WAYNE HMRR Number 2001071601

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION

HAZARDOUS MATERIALS RESPONSE REPORT

DATE 7/16/01 TIME 17:12

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 20010716011HE OES Number _____ COST RECOVERY YES / (NO)
Date In 7-16-01 Date Out 7-16-01 Time In 1712 Time Out 1730 Hrs. ____
Reporting Party Paul LaCroix - RELIANT ENERGY Telephone Number 899-7253

INCIDENT LOCATION

Street Number 8996 Street Direction __ Street Name ETIWANDA
Cross Street _____
City* Rancho Cucamonga Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* Facility RELEASE Response Team Responded? Y/N N
Environment Type:* FACILITY SITE Rural ☐ Suburban ☐ Urban ☐ Industrial ☒
Hazmat Released? Y/N N Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Containec _

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	COOLANT TOWER WATER	150	gallons		
2.					
3.					
4.	NOTIFICATION ONLY				

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated ____ Miles
Hospitalization Required? ☐ How Many? ____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☐ To: _____ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency _____ 3rd Agency _____
2nd Agency _____ 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD __ PD __ Road __ Public Works __ Parks __ Health __
County Agencies: FD __ SO __ Road __ District Attorny __ Flood Control __ Agriculture __ Health __
State Agencies: CDF __ CHP __ DTSC __ Caltrans __ RWQBC __ CDFG __ CalOSHA __
Federal Agencies: USFS __ EPA __ USCG __ BLM __ DOJ __ ERDA __ FedOSHA __

SBCFDHMD RESPONDERS ON SCENE*

1. Williams, Wayne 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name N/A DOB _____ Driver's License # _____
Company Name _____ Establishment # _____
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name Reliant ENERGY
Street Number 8996 Street Direction ___ Street Name ETIWANDA
City* RANCHO State _____ Zip Code _____ Phone _____

Date of Entry ___ / ___ / ___ Entered by* _____

NARRATIVE AND ADDITIONAL INFORMATION

Paul LaCroix of Reliant Energy made Notification to Comm Center of 150 gallons of Cooling Tower Water released to containment area.
Notification only.
W. Williams

EQUIPMENT INVENTORY INFORMATION

- ___ APR Carts
- ___ APR Masks
- ___ Banner Type
- ___ Batteries
- ___ Bleach
- ___ Boots Betex
  - ___ Latex
  - ___ PVC
  - ___ Vautex
- ___ Bootie PET
  - ___ Tyvek
- ___ Camera
- ___ CGI
- ___ Chlor-n-oil
- ___ Chlor-n-soil
- ___ Coliwasa
- ___ Drager Pump
- ___ Drager Tube
- ___ Drum 55-Gallon
- ___ Drum Liner
- ___ Duct Tape
- ___ Film 35mm
- ___ Film Polaroid
- ___ Fire Extinguisher
- ___ Flashlight
- ___ Glass Tubes
- ___ Glove Butyl
  - ___ Betex
  - ___ Latex
  - ___ Neoprene
  - ___ Nitril
  - ___ Silver
  - ___ Viton
  - ___ Vautex
- ___ HNU
- ___ IChem 125mm
- ___ IChem 250mm
- ___ IChem 500mm
- ___ Padlock
- ___ Glass Vials
- ___ PCB Kit
- ___ PH Paper
- ___ Pipette
- ___ Propane
- ___ SCBA
- ___ SCBA Cylinder
- ___ Soda Ash
- ___ Soda Baking
- ___ Suit Butyl
  - ___ Betex
  - ___ LUA
  - ___ PEC
  - ___ PVC
- ___ Paper Towel
- ___ Suit SNX
  - ___ Tyvek
  - ___ Vautex
- ___ Test Tubes
- ___ Turkey BST
- ___ Trowel Metal
  - ___ Plastic
- ___ Trash Bags
- ___ ZipLock Bag
- ___ _____
- ___ _____
- ___ _____
- ___ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$ _____
Equipment	$ _____
Agency	$ _____
Hauler	$ _____
Contractor	$ _____
_____	$ _____
Totals	$ _____

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 8/28/01 2:11:26 PM

CO0002525

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 2001082801 OES Number _____ Cost Recovery Request? ☐

Date In 8/28/01 Date Out 8/28/01 Time In _____ Time Out _____ Hrs. _____

Reporting Party KIM BROWN Telephone Number (909) 772-5574

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA

Cross Street _____

City RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐

Environment Type: FACILITY SITE Rural ☐ Suburban ☐ Urban ☐ Industrial ☐

Hazmat Released? ☑ Air ☐ Water ☑ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLING TOWER WATER	100	GAL	TOWER	

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☑ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☐ To: _____ DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

1 BROMBERG, RONNIE 2 NOTIFICATION ONLY

SUSPECT PARTY

Party Name KIM BROWN DOB _____ Drivers Licence # _____

Company Name _____ Establishment # _____

Street Number _____ Street Direction ___ Street Name _____

City _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name RELIANT ENGERGY

Street Number 8996 Street Direction ___ Street Name ETIWANDA

Date of Entry Tuesday, August 28, 2001 Entered By BROMBERG, RONNIE HMRR Number 2001082801

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 8/28/01 2:11:28 PM

City RANCHO CUCAMONGA State CA Zip Code _____ Phone _____

NARRATIVE AND ADDITIONAL INFORMATION

RELEASE WAS DISCOVERED MONDAY MORNING - ALGAE PLUGGED HOLES ON SPRAY UNIT THAT PROVIDES "COOLING" AFTER WEEKEND MAINTENACE WORK. COOLING WATER RAN INTO 'CHADWICK' CHANNEL. DISCHARGE IS MOSTLY WATER WITH TRACE AMOUNTS OF CHLORINE, ACID, AND PHOSPHATES. ALL STANDING PUDDLES WERE REMOVED BY A VACUUM TRUCK. DISCHARGE IS SAME SUBSTANCE AS WAS SPILLED LAST MONTH. THIS WATER IS NON-HAZARDOUS.

Date of Entry Tuesday, August 28, 2001 Entered By BROMBERG, RONNIE HMRR Number 2001082801

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION

HAZARDOUS MATERIALS RESPONSE REPORT

DATE 8/28/01 TIME ___:___

INCIDENT IDENTIFICATION/TRACKING

HMRR Number _____ OES Number _____ COST RECOVERY YES / (NO)
Date In 8/28 Date Out N/A Time In _____ Time Out _____ Hrs. ____
Reporting Party Kim Brown RELIANT ENERGY Telephone Number 899-7204 Cell 772-5574

INCIDENT LOCATION

Street Number 8996 Street Direction __ Street Name ETIWANDA
Cross Street _____
City* RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* FACILITY RELEASE Response Team Responded? Y/N __
Environment Type:* _____ Rural ☐ Suburban ☐ Urban ☐ Industrial ☐
Hazmat Released? Y/N __ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Containec ☐
NON-HAZ

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	Cooling tower WATER	7100	GALLONS	Cooling tower	
2.					
3.					
4.					

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☑ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated ____ Miles
Hospitalization Required? ☐ How Many? ____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☐ To: _____ Prop 65 Report ☐ NO

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency _____ 3rd Agency _____
2nd Agency _____ 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD __ PD __ Road __ Public Works __ Parks __ Health __
County Agencies: FD __ SO __ Road __ District Attorny __ Flood Control __ Agriculture __ Health __
State Agencies: CDF __ CHP __ DTSC __ Caltrans __ RWQBC __ CDFG __ CalOSHA __
Federal Agencies: USFS __ EPA __ USCG __ BLM __ DOJ __ ERDA __ FedOSHA __

SBCFDHMD RESPONDERS ON SCENE*

1. NOTIFICATION ONLY 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name Kim Brown - DOB _____ Driver's License # _____
Company Name _____ Establishment # _____
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name RELIANT ENERGY
Street Number 8996 Street Direction ___ Street Name ETIWANDA
City* RANCHO CUCAMONGA State _____ Zip Code _____ Phone _____

Date of Entry ___ / ___ / ___ Entered by* _____

NARRATIVE AND ADDITIONAL INFORMATION

RELEASE DISCOVERED MONDAY MORNING - ALGAE PLUGGED HOLES IN SPRAY UNIT THAT PROVIDES "COOLING" AFTER WEEKEND MAINTENANCE WORK. COOLING WATER RAN INTO "CHADWICK" CHANNEL. DISCHARGE IS MUSTY WATER WITH TRACE AMOUNTS OF CHLORINE, ACID AND PHOSPHATES. ALL STANDING PUDDLES WERE REMOVED BY A VACUUM TRUCK. DISCHARGE IS SAME SUBSTANCE AS WAS SPILLED LAST MONTH. THIS WATER IS NON-HAZARDOUS.

EQUIPMENT INVENTORY INFORMATION

- __ APR Carts
- __ APR Masks
- __ Banner Type
- __ Batteries
- __ Bleach
- __ Boots Betex
  - __ Latex
  - __ PVC
  - __ Vautex
- __ Bootie PET
  - __ Tyvek
- __ Camera
- __ CGI
- __ Chlor-n-oil
- __ Chlor-n-soil
- __ Coliwasa
- __ Drager Pump
- __ Drager Tube
- __ Drum 55-Gallon
- __ Drum Liner
- __ Duct Tape
- __ Film 35mm
- __ Film Polaroid
- __ Fire Extinguisher
- __ Flashlight
- __ Glass Tubes
- __ Glove Butyl
  - __ Betex
  - __ Latex
  - __ Neoprene
  - __ Nitril
  - __ Silver
  - __ Viton
  - __ Vautex
- __ HNU
- __ IChem 125mm
- __ IChem 250mm
- __ IChem 500mm
- __ Padlock
- __ Glass Vials
- __ PCB Kit
- __ PH Paper
- __ Pipette
- __ Propane
- __ SCBA
- __ SCBA Cylinder
- __ Soda Ash
- __ Soda Baking
- __ Suit Butyl
  - __ Betex
  - __ LUA
  - __ PEC
  - __ PVC
- __ Paper Towel
- __ Suit SNX
  - __ Tyvek
  - __ Vautex
- __ Test Tubes
- __ Turkey BST
- __ Trowel Metal
  - __ Plastic
- __ Trash Bags
- __ ZipLock Bag
- __ _____
- __ _____
- __ _____
- __ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$_____
Equipment	$_____
Agency	$_____
Hauler	$_____
Contractor	$_____
_____	$_____
Totals	$_____

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION

HAZARDOUS MATERIALS RESPONSE REPORT

CO0002554 DATE 9/13/01 TIME ___ : ___

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 20010913015 OES Number 01-5528 COST RECOVERY YES / NO
Date In 9-13-01 Date Out 9-13-01 Time In 1:45 Time Out _____ Hrs. ___
Reporting Party Kim Brown / Reliant Energy Telephone Number _____

INCIDENT LOCATION

Street Number 8996 Street Direction __ Street Name Etiwanda Ave
Cross Street _____
City* Rancho Cucamonga Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* unauthorized release Response Team Responded? Y/N N
Environment Type:* channel / flood control Rural ☐ Suburban ☐ Urban ☐ Industrial ☐
Hazmat Released? Y/N __ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Containec ☐

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	cooling tower water	80	gal		
2.					
3.					
4.					

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☑ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated ____ Miles
Hospitalization Required? ☐ How Many? ____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☐ To: _____ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency notification 3rd Agency _____
2nd Agency _____ 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD __ PD __ Road __ Public Works __ Parks __ Health __
County Agencies: FD __ SO __ Road __ District Attorny __ Flood Control __ Agriculture __ Health __
State Agencies: CDF __ CHP __ DTSC __ Caltrans __ RWQBC ✓ CDFG __ CalOSHA __
Federal Agencies: USFS __ EPA __ USCG __ BLM __ DOJ __ ERDA __ FedOSHA __

SBCFDHMD RESPONDERS ON SCENE*

1. Brian Adler 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name _____ DOB _____ Driver's License # _____
Company Name Reliant Energy Establishment # _____
Street Number 8996 Street Direction ___ Street Name Etiwanda Ave
City* Rancho Cucamonga State CA Zip Code _____ Phone 899-7204

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name _____
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

Date of Entry ___ / ___ / ___ Entered by* _____

C:\TYPESET\RESPREP... Revised Februe...

NARRATIVE AND ADDITIONAL INFORMATION

Reliant Energy notification of accidental release of approx 80 gallons of cooling tower water to unlined channel on property, water made way to retention basin. Contractor was flushing fire hydrant lines and did not realize that lines got charged from cooling tower. New contractor and did not realize he was suppose to have pumper truck on scene to recover water

EQUIPMENT INVENTORY INFORMATION

- ___ APR Carts
- ___ APR Masks
- ___ Banner Type
- ___ Batteries
- ___ Bleach
- ___ Boots Betex
  - ___ Latex
  - ___ PVC
  - ___ Vautex
- ___ Bootie PET
  - ___ Tyvek
- ___ Camera
- ___ CGI
- ___ Chlor-n-oil
- ___ Chlor-n-soil
- ___ Coliwasa
- ___ Drager Pump
- ___ Drager Tube
- ___ Drum 55-Gallon
- ___ Drum Liner
- ___ Duct Tape
- ___ Film 35mm
- ___ Film Polaroid
- ___ Fire Extinguisher
- ___ Flashlight
- ___ Glass Tubes
- ___ Glove Butyl
  - ___ Betex
  - ___ Latex
  - ___ Neoprene
  - ___ Nitril
  - ___ Silver
  - ___ Viton
  - ___ Vautex
- ___ HNU
- ___ IChem 125mm
- ___ IChem 250mm
- ___ IChem 500mm
- ___ Padlock
- ___ Glass Vials
- ___ PCB Kit
- ___ PH Paper
- ___ Pipette
- ___ Propane
- ___ SCBA
- ___ SCBA Cylinder
- ___ Soda Ash
- ___ Soda Baking
- ___ Suit Butyl
  - ___ Betex
  - ___ LUA
  - ___ PEC
  - ___ PVC
- ___ Paper Towel
- ___ Suit SNX
  - ___ Tyvek
  - ___ Vautex
- ___ Test Tubes
- ___ Turkey BST
- ___ Trowel Metal
  - ___ Plastic
- ___ Trash Bags
- ___ ZipLock Bag
- ___ _____
- ___ _____
- ___ _____
- ___ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$_____
Equipment	$_____
Agency	$_____
Hauler	$_____
Contractor	$_____
_____	$_____
Totals	$_____

Hazardous Materials Spill Report

DATE: 09/13/2001 TIME: 1334	RECEIVED BY: OES - Scott Marotte OSPR -	CONTROL#: OES - 01-5228 NRC -

1.a. PERSON NOTIFYING GOVERNOR'S OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Kim Brown	Reliant Energy	909-899-7204		

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	*Amount*	*Measure*	c. TYPE:	d. OTHER:
1. Treated cooling water	=	80	Gal(s)	UNSPECIFIED	
2.	=				
3.	=				

e. DESCRIPTION: During a quarterly fire hydrant flush, the substance was released on to the ground and into a flood control channel. At the time of the test, no one was aware the hydrant system was connected to the cooling water system.

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:
Yes	Yes	Chadwick Channel

3. a. INCIDENT LOCATION: 8996 Etiwanda Av.

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	

4. INCIDENT DESCRIPTION:

a. DATE:09/13/2001 **b. TIME** *(Military)*: 1300 **c. SITE:** Utilities/Substation

d. INJURIES#	e. FATALS #:	f. EVACS #:	g. CLEANUP BY:
0	0	0	Unknown

[redacted]

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:
Kim Brown	Reliant Energy	909-899-7204	

e. MAIL ADDRESS:	f. CITY:	g. STATE:	h. ZIP:
8996 Etiwanda Av.	Rancho Cucamonga	CA	

6. NOTIFICATION INFORMATION:

a. ON SCENE: **b. OTHER ON SCENE:** **c. OTHER NOTIFIED:**

d. ADMIN. AGENCY: San Bernardino County Health Department **e. EEC. AGENCY.**

f. NOTIFICATION LIST: **DOG Unit:** **RWQCB Unit: 8**

☒ AA/CUPA	☒ DFG-OSPR	☐ EMSA	☐ OES PLANS UNIT	☒ RWQCB	☒ USFWS
☐ AIR RESOURCES BD	☐ DHS-D.O.	☐ FEMA	☐ OES REG	☐ SFM	☐ USDOI
☐ CALTRANS	☐ DOG	☐ FOOD & AG	☐ OSHA	☒ US EPA	☐ OTHER
☐ CDF	☒ DTSC	☐ LANDS	☐ PARKS & REC	☐ USMMS	
☒ COASTAL COM	☐ EB PARKS	☐ OES HAZMATUNIT	☐ PUC	☒ USCG	

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 9/26/01 3:17:20 PM

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 2001091301 OES Number _____ Cost Recovery Request? ☐

Date In 9/13/01 Date Out 9/13/01 Time In 1:45:00 AM Time Out _____ Hrs. _____

Reporting Party KIM BROWN/RELIANT ENERGY Telephone Number _____

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA AVENUE

Cross Street _____

City RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐

Environment Type: FLOOD CONTROL C Rural ☐ Suburban ☐ Urban ☐ Industrial ☐

Hazmat Released? ☐ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLING TOWER WATER	80	GAL		

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☑ HazMat Removed ☑ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☐ To: _____ DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

1 NOTIFICATION ONLY 2 OTTER, BRIAN

SUSPECT PARTY

Party Name _____ DOB _____ Drivers Licence # _____

Company Name RELIANT ENERGY Establishment # _____

Street Number 8996 Street Direction ___ Street Name ETIWANDA AVENUE

City RANCHO CUCAMONGA State CA Zip Code _____ Phone 909/899-7204

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name _____

Street Number _____ Street Direction ___ Street Name _____

Date of Entry ednesday, September 26, 20 Entered By OTTER, BRIAN HMRR Number 2001091301

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 9/26/01 3:17:20 PM

City _____ State _____ Zip Code _____ Phone _____

NARRATIVE AND ADDITIONAL INFORMATION

RELIANT ENERGY NOTIFICATION OF ACCIDENTIAL RELEASE OF APPROXIMATELY 80 GALLONS OF COOLING TOWER WATER TO UNLINED CHANNEL ON PROPERTY, WATER MADE WAY TO RETENTION BASIN. CONTRACTOR WAS FLUSHING FIRE HYDRANT LINES AND DID NOT REALIZE THAT LIVEWS ARE CHARGED FROM COOLING TOWER. NEW CONTRACTOR AND DID NOT REALIZE HE WAS SUPPOSE TO HAVE PUMPER TRUCK ON SCENE TO RECOVER WATER.

Date of Entry ednesday, September 26, 20 Entered By OTTER, BRIAN HMRR Number 2001091301

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 1/18/01 11:18:11 AM

CO 0002773

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 20011701SN OES Number _____ Cost Recovery Request? ☐

Date In 1/17/01 Date Out 1/17/01 Time In 4:00:00 AM Time Out _____ Hrs. _____

Reporting Party GREG HARSON/RELIANT Telephone Number (909) 899-7204

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA

Cross Street _____

City RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐

Environment Type: FACILITY SITE Rural ☐ Suburban ☐ Urban ☐ Industrial ☑

Hazmat Released? ☑ Air ☐ Water ☑ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLING WATER	100	GAL		

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☑ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☐ To: _____ DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

1 NOTIFICATION ONLY

SUSPECT PARTY

Party Name _____ DOB _____ Drivers Licence # _____

Company Name RELIANT ENERGY Establishment # _____

Street Number _____ Street Direction ___ Street Name _____

City _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name RELIANT ENERGY

Street Number _____ Street Direction ___ Street Name _____

Date of Entry Thursday, January 18, 2001 Entered By NICHOLAS, SANDRA HMRR Number 20011701SN

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 1/18/01 11:18:11 AM

City _____ State _____ Zip Code _____ Phone _____

NARRATIVE AND ADDITIONAL INFORMATION

A RELEASE WAS FOUND AT 4:00 A.M. TODAY, (COOLING WATER). PER GREG, A CONTACTOR WAS CALLED TO CLEAN UP AREA. NO INJURIES OR HAZARDOUS.

Date of Entry Thursday, January 18, 2001 Entered By NICHOLAS, SANDRA HMRR Number 20011701SN

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION

HAZARDOUS MATERIALS RESPONSE REPORT

DATE 1/17/01 TIME 9:56

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 000117015N OES Number 01-0348 COST RECOVERY YES / NO
Date In 1-17-01 Date Out 1-17-01 Time In 4:00 Time Out _____ Hrs. _____
Reporting Party Greg Harsong / Reliant Telephone Number 899-7201

INCIDENT LOCATION

Street Number 8996 Street Direction _____ Street Name Etiwanda
Cross Street _____
City* R. Cucamonga Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* facility release Response Team Responded? Y/N N
Environment Type:* Site Rural ☐ Suburban ☐ Urban ☐ Industrial ☐
Hazmat Released? Y/N __ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	Cooling water (3 gals @ minute)	100	gal		
2.					
3.					
4.					

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated ____ Miles
Hospitalization Required? ☐ How Many? ____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☐ To: _____ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency _____ 3rd Agency _____
2nd Agency _____ 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD __ PD __ Road __ Public Works __ Parks __ Health __
County Agencies: FD __ SO __ Road __ District Attorny __ Flood Control __ Agriculture __ Health __
State Agencies: CDF __ CHP __ DTSC __ Caltrans __ RWQBC __ CDFG __ CalOSHA __
Federal Agencies: USFS __ EPA __ USCG __ BLM __ DOJ __ ERDA __ FedOSHA __

SBCFDHMD RESPONDERS ON SCENE*

1. Notification only 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name _____ DOB _____ Driver's License # _____
Company Name Reliant Energy Establishment # _____
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name Reliant Energy
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

Date of Entry __ / __ / __ Entered by* S. Nicholas

CITYPESE TARESPREP
Revised Februar

NARRATIVE AND ADDITIONAL INFORMATION

a release was found at 4:00am today - (cooling water) Per Corey a Contractor was called to clean up area - no injuries or hazards.

EQUIPMENT INVENTORY INFORMATION

- ___ APR Carts
- ___ APR Masks
- ___ Banner Type
- ___ Batteries
- ___ Bleach
- ___ Boots Betex
  - ___ Latex
  - ___ PVC
  - ___ Vautex
- ___ Bootie PET
  - ___ Tyvek
- ___ Camera
- ___ CGI
- ___ Chlor-n-oil
- ___ Chlor-n-soil
- ___ Coliwasa
- ___ Drager Pump
- ___ Drager Tube
- ___ Drum 55-Gallon
- ___ Drum Liner
- ___ Duct Tape
- ___ Film 35mm
- ___ Film Polaroid
- ___ Fire Extinguisher
- ___ Flashlight
- ___ Glass Tubes
- ___ Glove Butyl
  - ___ Betex
  - ___ Latex
  - ___ Neoprene
  - ___ Nitril
  - ___ Silver
  - ___ Viton
  - ___ Vautex
- ___ HNU
- ___ IChem 125mm
- ___ IChem 250mm
- ___ IChem 500mm
- ___ Padlock
- ___ Glass Vials
- ___ PCB Kit
- ___ PH Paper
- ___ Pipette
- ___ Propane
- ___ SCBA
- ___ SCBA Cylinder
- ___ Soda Ash
- ___ Soda Baking
- ___ Suit Butyl
  - ___ Betex
  - ___ LUA
  - ___ PEC
  - ___ PVC
- ___ Paper Towel
- ___ Suit SNX
  - ___ Tyvek
  - ___ Vautex
- ___ Test Tubes
- ___ Turkey BST
- ___ Trowel Metal
  - ___ Plastic
- ___ Trash Bags
- ___ ZipLock Bag
- ___ _____
- ___ _____
- ___ _____
- ___ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$ _____
Equipment	$ _____
Agency	$ _____
Hauler	$ _____
Contractor	$ _____
_____	$ _____
Totals	$ _____

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 2/14/2002 11:58:47 AM

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 2002021101S OES Number 20789 Cost Recovery Request? ☐

Date In 2/9/2002 Date Out 2/10/2002 Time In _____ Time Out _____ Hrs. _____

Reporting Party KIM BROWN/RELIANT ENERGY Telephone Number (909) 899-7204

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA AVE

Cross Street _____

City RANCHO CUCAMONGA Zip Code 91739 Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐

Environment Type: FACILITY SITE Rural ☐ Suburban ☐ Urban ☐ Industrial ☑

Hazmat Released? ☑ Air ☐ Water ☑ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLING WATER (CHLORINE)	1000	GAL		

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☑ To: GAIL BECKHAM DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

1 NICHOLAS, SANDRA 2 NOTIFICATION ONLY

SUSPECT PARTY

Party Name UNKNOWN DOB _____ Drivers Licence # _____

Company Name RELIANT ENERGY Establishment # _____

Street Number 8996 Street Direction ___ Street Name ETIWANDA AVE

City RANCHO CUCAMONGA State CA Zip Code 91739 Phone 909/899-7204

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name RELIANT ENERGY

Street Number 8996 Street Direction ___ Street Name ETIWAND AVE

Date of Entry Thursday, February 14, 2002 Entered By NICHOLAS, SANDRA HMRR Number 2002021101S

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 2/14/2002 11:58:47 AM

City RANCHO CUCAMONGA State CA Zip Code 91739 Phone 909/899-7204

NARRATIVE AND ADDITIONAL INFORMATION

NOTIFICATION ONLY - SUBSTANCE WAS RELEASED DUE TO WIND DAMAGE TO UNIT.

Date of Entry Thursday, February 14, 2002 Entered By NICHOLAS, SANDRA HMRR Number 2002021101S

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION

HAZARDOUS MATERIALS RESPONSE REPORT

DATE 2/11/02 TIME 7:47

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 20020211015 OES Number 02-0789 COST RECOVERY YES / NO
Date In 2-9-02 Date Out 2-10-02 Time In UNK Time Out _____ Hrs. _____
Reporting Party Kim Braun/Reliant Energy Telephone Number (909) 899-7204

INCIDENT LOCATION

Street Number 8996 Street Direction _ Street Name Etiwanda Ave
Cross Street _____
City* R.C. Zip Code 91739 Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* Facility Release Response Team Responded? Y/N _
Environment Type:* Site Rural ☐ Suburban ☐ Urban ☐ Industrial ☐
Hazmat Released? Y/N _ Air ☐ Water ☐ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Containec ☐

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	Cooling water (chlorine)	1,000	gal		
2.					
3.					
4.					

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐ N/A
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _ Miles
Hospitalization Required? ☐ How Many? _ Hospital Name _____
Hauler Used? ☐ Hauler Name N/A Manifest No. _____
Complaint Taken ☐ Referred ☑ To: _____ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency _____ 3rd Agency _____
2nd Agency N/A 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD _ PD _ Road _ Public Works _ Parks _ Health _
County Agencies: FD ☑ SO _ Road _ District Attorny _ Flood Control ☑ Agriculture _ Health _
State Agencies: CDF _ CHP _ DTSC ☑ Caltrans _ RWQBC ☑ CDFG _ CalOSHA _
Federal Agencies: USFS _ EPA _ USCG _ BLM _ DOJ _ ERDA _ FedOSHA _

SBCFDHMD RESPONDERS ON SCENE*

1. Notif. Only 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name UKN DOB _____ Driver's License # _____
Company Name Reliant Energy Establishment # _____
Street Number 8996 Street Direction _ Street Name Etiwanda Ave
City* R.C. State CA Zip Code 91739 Phone 899-7204

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name Relian Energy
Street Number 8996 Street Direction _ Street Name Etiwanda Ave
City* R.C. State CA Zip Code 91739 Phone 899-7204

Date of Entry _/_/_ Entered by* S. Nicholas

CATYPESET\RESPREP
Revised Februar

NARRATIVE AND ADDITIONAL INFORMATION

Wind Damage to cooling tower caused release. Release went into a drain - that goes into Flood Control Channel.

they were calling OES/F did call Water Board. this was called in as a notif. only.

EQUIPMENT INVENTORY INFORMATION

- ___ APR Carts
- ___ APR Masks
- ___ Banner Type
- ___ Batteries
- ___ Bleach
- ___ Boots Betex
  - ___ Latex
  - ___ PVC
  - ___ Vautex
- ___ Bootie PET
  - ___ Tyvek
- ___ Camera
- ___ CGI
- ___ Chlor-n-oil
- ___ Chlor-n-soil
- ___ Coliwasa
- ___ Drager Pump
- ___ Drager Tube
- ___ Drum 55-Gallon
- ___ Drum Liner
- ___ Duct Tape
- ___ Film 35mm
- ___ Film Polaroid
- ___ Fire Extinguisher
- ___ Flashlight
- ___ Glass Tubes
- ___ Glove Butyl
  - ___ Betex
  - ___ Latex
  - ___ Neoprene
  - ___ Nitril
  - ___ Silver
  - ___ Viton
  - ___ Vautex
- ___ HNU
- ___ IChem 125mm
- ___ IChem 250mm
- ___ IChem 500mm
- ___ Padlock
- ___ Glass Vials
- ___ PCB Kit
- ___ PH Paper
- ___ Pipette
- ___ Propane
- ___ SCBA
- ___ SCBA Cylinder
- ___ Soda Ash
- ___ Soda Baking
- ___ Suit Butyl
  - ___ Betex
  - ___ LUA
  - ___ PEC
  - ___ PVC
- ___ Paper Towel
- ___ Suit SNX
  - ___ Tyvek
  - ___ Vautex
- ___ Test Tubes
- ___ Turkey BST
- ___ Trowel Metal
  - ___ Plastic
- ___ Trash Bags
- ___ ZipLock Bag
- ___ _____
- ___ _____
- ___ _____
- ___ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$_____
Equipment	$_____
Agency	$_____
Hauler	$_____
Contractor	$_____
_____	$_____
Totals	$_____

Hazardous Materials Spill Report

DATE: 02/11/2002 TIME: 0739	RECEIVED BY: OES - Kavin Godwin OSPR -	CONTROL#: OES - 02-0789 NRC -

1.a. PERSON NOTIFYING GOVERNOR'S OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Kim Brown	Reliant Energy	909-899-7204		

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	*Amount*	*Measure*	c. TYPE:	d. OTHER:
1. Cooling Tower Water	=	1,000	Gal(s)	OTHER	Water with trace amounts of chem
2.	=				
3.	=				

e. **DESCRIPTION:** Historical: Substance was released due to wind damage to unit.Note: Substance was thought to of originally stayed on installation, upon further inspection it was found to of went into a storm drain which flows into the Sand Sevaine Flood Control Channel

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:
Yes Flood Control Channel	Yes	Storm Drain/ Sand Sevaine

3. a. INCIDENT LOCATION: 8996 Etiwanda Ave

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	91739

4. INCIDENT DESCRIPTION:

a. DATE:02/09/2002 **b. TIME** *(Military)*: 2300 **c. SITE:** Utilities/Substation

d. INJURIES#	e. FATALS #:	f. EVACS #:	g. CLEANUP BY:
0	0	0	Unknown

[redacted]

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:
Kim Brown	Reliant Energy	909-899-7204	

e. MAIL ADDRESS:	f. CITY:	g. STATE:	h. ZIP:
8996 Etiwanda Ave	Rancho Cucamonga	CA	91739

6. NOTIFICATION INFORMATION:

a. ON SCENE: **b. OTHER ON SCENE:** **c. OTHER NOTIFIED:** RWQCB, San Bernardino HazMat

d. ADMIN. AGENCY: San Bernardino County Health Department **e. SEC. AGENCY:**

f. NOTIFICATION LIST: **DOG Unit:** **RWQCB Unit:** 8

☒ AA/CUPA	☒ DFG-OSPR	☐ EMSA	☐ OES PLANS UNIT	☒ RWQCB	☒ USFWS
☐ AIR RESOURCES BD	☐ DHS-D.O.	☐ FEMA	☐ OES REG	☐ SPM	☐ USDOI
☐ CALTRANS	☐ DOG	☐ FOOD & AG	☐ OSHA	☒ US EPA	☐ OTHER
☐ CDF	☒ DTSC	☒ LANDS	☒ PARKS & REC	☐ USMMS	
☒ COASTAL COM	☐ EB PARKS	☐ OES HAZMATUNIT	☐ PUC	☒ USCG	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAR000038158	1	(877) 818-0087	000478269 VES

GENERATOR

5. Generator's Name and Mailing Address
RRI ENERGY
ETIWANDA GENERATING STATION
8995 ETIWANDA AVENUE
ETIWANDA, CA 91739

Generator's Site Address (if different than mailing address): SAME

Generator's Phone: 909 322-5971

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS
1704 W. FIRST STREET
AZUSA, CA 91702
U.S. EPA ID Number: CAD008302903

Facility's Phone: 626 334-5117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1 NON-RCRA HAZARDOUS WASTE SOLID, (DEBRIS, OIL)	3	DM	225	P	352
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: 1) W:535679 A:AZU-KHFDEBRS(SP [3 X55] -|- **PLEASE WEAR PROPER PPE WHEN HANDLING WASTE** ER SERVICE CONTRACTED BY VESTS

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Paul Lacroix
Signature
Month 03 Day 30 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PATRICK CARRIGAN
Signature
Month 03 Day 30 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

RRI Energy,
Etiwanda Generating Station
8996 Etiwanda Ave
Rancho Cucamonga, CA 91739

San Bernardino County Fire Department,
Hazardous Materials Division
Attention: Jerry Wong
Environmental Health Specialist II
620 South "E" Street
San Bernardino, CA 92415-0153

March 3, 2010
CO-0027236
thanks
Jerry

Re: RRI Energy, Inc. Etiwanda Generating Station incident

On March 3, 2010, a citizen complaint was made by SA Recycling, located at 8822 Etiwanda Ave., Rancho Cucamonga, Calif. 91739 to RRI Energy's, Etiwanda Generating Station, located at 8996 Etiwanda Ave., Rancho Cucamonga, Calif. 91739, facility ID Number FA0002943 regarding a discharge from the station. The station investigated the complaint and took immediate corrective actions to prevent any further discharge and commenced a cleanup of the release. SA Recycling's concerns regarding their personnel exposure and property exposure were addressed to their satisfaction. All required agency notifications were made.

RRI Energy's investigation found that cooling water drift contained small amounts of oil mixed in with water had drifted over to SA Recycling property. Further investigation revealed that the Unit 4 Cooling Tower equipment had two ¼" copper tubes fail and crack open allowing approximately 10 gallons of oil to leak into the cooling tower drift. Northeast winds carried the drift over to SA Recycling. The affected equipment was immediately shutdown and secured. Repairs have been completed on the equipment and preventative measures are being implimented to greatly reduce the risk of a future reoccurrence.

If you have any concerns or questions please fell free to contact my self at 909-899-7241, or Paul Lacroix at 909-899-7290.

Thank you
Sincerely,

Lee Moore
General Manager
RRI Energy Etiwanda Generating Station

Attached are copies of the invoice for the clean up work and a copy of the Hazardous waste manifest for the disposal of the waste generated during the cleanup.

INVOICE

M P Environmental Services, Inc.

REMIT TO: MP ENVIRONMENTAL SERVICES, INC.
P.O. BOX 80358
BAKERSFIELD, CA 93380
(661) 392-1726 FAX
(800) 458-3036 TOLL FREE
(661) 393-1151
CONTRACTOR'S LICENSE NO. 613706

BILL TO: RRI ENERGY, INC - ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA CA 91739

Invoice # : ***10145177***
Transaction Dt : 03/03/2010
Load Date : 03/03/2010
MP Ticket # : 325394
PO/Ref # : 348023222-10
Customer ID : RRIRANCH

TERMS: ***Net Due 30 Days*** DUE DATE:

Billing Detail

Items	Manifest #	Units/Wt	Bill As	Rate	Amount
	CLEAN UP UNIT 4 COOLING TOWER OIL SPILL SEE DAILY REPORTS #7866, 7869		1.00	4,150.0000	4,150.00
			1.00	Total :	4,150.00
				Balance :	4,150.00

Manifest #:

CLEAN UP UNIT 4 COOLING TOWER OIL SPILL

Certified WBENC Women's Business Enterprise

Thank You.

I/we understand that **INTEREST** at the rate of 10% **PER ANNUM** will be charged if this invoice is not paid in 30 days. If, in the event of nonpayment, it is necessary to refer this matter to any attorney for collection or to seek legal advice following nonpayment, the prevailing party in any action shall be entitled to recover all reasonable costs and expenses, including attorneys' fees, incurred.

M P Environmental Services, Inc.
3400 Manor Street
Bakersfield, California 93308
(661) 393-1151
EPA # CAT 000624247

Facilities:
Bakersfield, CA · Everett, WA
Yolo, CA · Grantsville, UT
Phoenix, AZ · Enid, OK

C 325394

TRACKING NO. _____

DEPT. CODE ECE

MP JOB NO. 11225

CUSTOMER RRI

DATE 3/3 - 3/5

ADDRESS _____

LEASE & WELL _____

FIELD & AREA UNIT 4

PHONE # _____

ORDERED BY Paul Lackey

CUSTOMER JOB # _____

CUSTOMER P.O. # 3480232222-10

PICKED UP AT _____

DELIVERED TO _____

DESCRIPTION

Clean up Unit 4 Cooling Tower oil spill See Daily Tickets 7866, 7869

EXPLAIN DELAYS _____

DRIVER #1 — **THIS SECTION MUST BE COMPLETED**

LOAD TIME DATE	OFF LOAD TIME DATE	
START _____ AM / PM	START _____ AM / PM	BEGINNING TIME _____ AM / PM
STOP _____ AM / PM	STOP _____ AM / PM	ENDING TIME _____ AM / PM
TOTAL _____	TOTAL _____	TOTAL HOURS _____

DRIVER #2

LOAD TIME DATE	OFF LOAD TIME DATE	
START _____ AM / PM	START _____ AM / PM	BEGINNING TIME _____ AM / PM
STOP _____ AM / PM	STOP _____ AM / PM	ENDING TIME _____ AM / PM
TOTAL _____	TOTAL _____	TOTAL HOURS _____

SUBHAULER: _____ SUBHAULER TICKET #: _____ TOTAL HOURS _____

WEIGHT TICKET #: _____ WEIGHT TICKET #: _____ DEDUCTIONS / ADDITIONS _____

MANIFEST #: _____ R/O BIN #: _____ NET HOURS _____

MANIFEST #: _____ R/O BIN #: _____ ( ) HOURS ( ) TONS ( ) MILEAGE ( ) LOAD

EQUIPMENT TYPE: _____ _____ X _____ = _____
UNIT RATE AMOUNT

TRACTOR/TRAILER # _____ / _____ _____ = _____
OTHER CHARGES

UNDER STATE OR FEDERAL REGULATIONS THE MATERIAL NOTED ABOVE IS CONSIDERED TO BE: _____ = _____

( ) HAZARDOUS ( ) NON-HAZARDOUS ( ) HIGHWAY ( ) NON-HIGHWAY

LIQUIDATING DAMAGES OF 18% WILL BE CHARGED 30 DAYS AFTER RECEIPT OF INVOICE. IN THE EVENT OF NON PAYMENT IT IS NECESSARY TO REFER THIS MATTER TO AN ATTORNEY FOR COLLECTION OR TO SEEK LEGAL ADVICE FOLLOWING NONPAYMENT THE PREVAILING PARTY IN ANY ACTION SHALL BE ENTITLED TO RECOVER ALL REASONABLE COSTS AND EXPENSES INCLUDING ATTORNEY'S FEES INCURRED.

TOTAL 4150.-

DRIVER #1 SIGNATURE _____ CUSTOMER'S SIGNATURE _____

DRIVER #2 SIGNATURE _____ DATE _____

M P Environmental Services, Inc.
P.O. Box 80358 • Bakersfield, CA 93380 • (661) 393-1151
☐ AZ ☐ BK ☐ LA ☐ OKLA
☐ UT ☐ WA ☐ YOLO ☐ _____

7866

Daily Report
Office (661) 393-1151
1 (800) 458-3036
Fax (661) 393-3834

Customer: RRI
BillingAddress: _____

P.O. No. _____
Job No. 11225
Date: 3/3/10 Day: Wed
Customer Rep. Paul Kaney

LABOR

NAME	TITLE	START	LUNCH	FINISH	STD	OT	STD RATE	OT RATE	ITEM TOTAL
Bailey	T	530P	—	12	6½		50.-		$ 325.-
Lopez	↓	↓	—	↓	↓				$ 325.-
Bennett			—						$ 325.-
Bonham			—						$ 325.-
									$
									$
							LABOR SUBTOTAL		$ 1300.-

MATERIALS

DESCRIPTION	SIZE	QTY	RATE	ITEM TOTAL
				$
				$
				$
				$
				$
				$
				$
				$
			MATERIALS SUBTOTAL	$

EQUIPMENT

MPE EQUIPMENT: OTHER THAN TRANSPORTATION	HR/MI	QTY	RATE	ITEM TOTAL
Pickup (1) N/C	DAY	2	125	$ 125.-
Support Trailer	DAY	1	250.-	$ 250
				$
				$
				$
RENTED EQUIPMENT				$
				$
				$
				$
			EQUIPMENT SUBTOTAL	$ 375

OTHER

DESCRIPTION				RATE	ITEM TOTAL
PERSONAL PROTECTIVE EQUIPMENT	X 4	MEN		50.-	$ 200.-
LAB ANALYSIS	SAMPLES	TYPE			$
TRAVEL SUBSISTANCE - PER DIEM	X 1	MEN		125.	$ 125.-
SUBCONTRACTOR - OTHER					$
				SPECIAL AND OTHER SUBTOTAL	$ 325.-

DISPOSAL

FACILITY	MANIFEST NO. OR WASTE	QTY	RATE	ITEM TOTAL
				$
				$
				$
			DISPOSAL SUBTOTAL	$

DESCRIPTION OF SERVICES PROVIDED

GRAND TOTAL - ALL CHARGES $ 2600.-

Provide Labor & equipment to clean up 6.1 Sp. H
from CMA 4 Rolling hills

CUSTOMER SIGNATURE _____ TITLE _____ DATE _____

M P Environmental Services, Inc.
P.O. Box 80358 • Bakersfield, CA 93380 • (661) 393-1151
☐ AZ ☐ BK ☐ LA ☐ OKLA
☐ UT ☐ WA ☐ YOLO ☐ _____

7869

Daily Report
Office (661) 393-1151
1 (800) 458-3036
Fax (661) 393-3834

Customer: RRI
Billing Address: _____

P.O. No. _____
Job No. 11225
Date: 3/5/10 Day: Fri
Customer Rep. Paul Lackenip

LABOR

NAME	TITLE	START	LUNCH	FINISH	STD	OT	STD RATE	OT RATE	ITEM TOTAL
Bailey	T	930A	½	8PM	10		50.-		$ 500.-
Bennett	T	↓	↓	↓	↓		↓		$ ↓
Lopez	T	↓	↓	↓	↓		↓		$
									$
									$
									$
							LABOR SUBTOTAL		$ 1500.-

MATERIALS

DESCRIPTION	SIZE	QTY	RATE	ITEM TOTAL
				$
				$
				$
				$
				$
				$
				$
				$
			MATERIALS SUBTOTAL	$

EQUIPMENT

MPE EQUIPMENT: OTHER THAN TRANSPORTATION	HR/MI	QTY	RATE	ITEM TOTAL
P/U		2	125.-	$ 250.-
Support/Spill Trailer (RIZ)		1	250.-	$ 250.-
		↓		$
				$
				$
RENTED EQUIPMENT				$
				$
				$
				$
			EQUIPMENT SUBTOTAL	$ 500.-

OTHER

DESCRIPTION	RATE	ITEM TOTAL
PERSONAL PROTECTIVE EQUIPMENT X 3 MEN	50.-	$ 150.-
LAB ANALYSIS SAMPLES TYPE		$
TRAVEL SUBSISTANCE - PER DIEM X MEN		$
SUBCONTRACTOR - OTHER		$
	SPECIAL AND OTHER SUBTOTAL	$ 150.-

DISPOSAL

FACILITY	MANIFEST NO. OR WASTE	QTY	RATE	ITEM TOTAL
				$
				$
				$
			DISPOSAL SUBTOTAL	$

DESCRIPTION OF SERVICES PROVIDED

GRAND TOTAL - ALL CHARGES $ 2150.-

Wipe Down Building @ Sweep Yard As Directed
Mobilize to Bak.

CUSTOMER SIGNATURE _____ TITLE _____ DATE _____

NATIONAL OILWELL VARCO, L.P.

P.O. Box 4638 * Houston, Texas 77210-4638
ATTACHED CHECK IS IN PAYMENT OF INVOICES LISTED

Page: 1 of 1
Check No: 000041894
Vendor No. 18826

INVOICE NO.	INVOICE DATE	DESCRIPTION	GROSS AMOUNT	DISCOUNT	NET AMOUNT
C00029229-072312	23-JUL-12			0.00	2,534.50
				0.00	2,534.50

RECEIVED
AUG 01 2012
S.B. CO. FIRE DEPT.

SECURITY WARNING: THE FACE OF THIS DOCUMENT FEATURES A COLORED BACKGROUND AND MICROPRINT BORDERS - THE REVERSE SIDE FEATURES ARTIFICIAL WATERMARKS

NOV NATIONAL OILWELL VARCO
NATIONAL OILWELL VARCO, L.P.
P.O. Box 4638 * Houston, Texas 77210-4638

Wells Fargo Bank, N.A.
115 Hospital Drive
Van Wert, OH 45891

000041894

DATE: 31-JUL-12

17-1
910

9600086387

Incident C00029229

PAY: Two Thousand Five Hundred Thirty-Four Dollars And Fifty Cents****
****

$ ********2,534.50

TO THE ORDER OF:
SAN BERNARDINO COUNTY FIRE DEPARTMENT
ATTN: CARLEEN WILEY
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415
United States

Daniel L. Molinaro
Authorized Signature

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COST RECOVERY PROGRAM
INCIDENT RESPONSE INVOICE

INCIDENT#	CO0029229	LOCATION	8996 ETIWANDA , RANCHO CUCAMONGA				
DATE	4/5/12			TYPE	DISCHARGE OF CEMENT MATERIALS IN TO A WATERWAY		
INITIAL RESPONDER(S)	Brenda MacGregor				Gail Beckham		
NAME	~~X~~ AMERON ARROW PLANT			DOB		SEX	
ADDRESS	~~12455 ARROW~~ RT, RANCH CUCAMONGA				VEHICLE LICENSE		
SS#			DRIVER'S LICENSE			STATE	
HOME PHONE #			BUSINESS PHONE#		909-944-4100		

UNITS TIME:	HOURS	RATE	TOTAL
ER7015	3.5	95.00	$332.50

PERSONNEL TIME:	HOURS	RATE	TOTAL
HZ528	3.5	201.00	$703.50
HZ523	3.5	201.00	$703.50

OTHER FEES:	HOURS	RATE	TOTAL

UNITS TOTAL	$332.50
PERSONNEL TOTAL	$1,407.00
LAB COSTS	$ 795.00
OTHER FEE	$
TOTAL COST RECOVERY	$2,534.50

FEDERAL ID #95-6002748

Revised 7/30/08

SAN BERNARDINO COUNTY FIRE DEPARTMENT

SOURCE - ENVISION E/R

SITE LOCATION: **8996 ETIWANDA AVE RANCHO CUCAMONGA** RECORD ID: **CO0029229**
RELATED ID: ACCOUNT ID: **AR0002943**

FACILITY INFO

FACILITY: **FA0002943**
FACILITY NAME: **ETIWANDA GENERATING STATION**
FACILITY ADDRESS: **8996 ETIWANDA AVE**
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**

CONTACT

COMPLAINT
COMPLAINANT: **CHARLES LINDER - ENV SPECIALIST**
ADDRESS:
CITY:
COUNTRY: **USA** STATE: ZIP:
WORK PHONE: **909-827-1372** EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION
RECEIVED BY: **CARLEEN WILEY**
RECEIVED DATE: **04/05/2012** RECEIVED TIME: **15:21:00**
ASSIGNED TO: **BRENDA MACGREGOR**
ASSIGNED DATE: **04/05/2012** ASSIGNED TIME: **16:35:00**
STATUS: **CLOSED**
PROGRAM ELEMENT: **3000 EMERG. RESP. GENERAL ACTIVITY(NB)**

INFORMATION

PROPERTY INFO
PROP NAME: **ETIWANDA GENERATING STATION**
BUS NAME: **ETIWANDA GENERATING STATION**
ADDRESS: **8996 ETIWANDA AVE**
2nd ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**
COUNTRY:
PHONE 1: **909-899-7220** EXT:

OWNER'S INFO
OWNER NAME: **ETIWANDA GENERATING STATION**
BUSINESS NAME:
ADDRESS: **8996 ETIWANDA AVE**
2ND ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739--917**
HOME PHONE: **909-899-7260** EXT: **PH**
WORK PHONE: **909-889-7290** EXT: **PH**

LOCATION

LOCATION
CENSUS:
DISTRICT: **DISTRICT 2**
LOCATION: **DISTRICT 2**
CITY CODE: **RANCHO CUCAMONGA**
JURISDICTION: **R C FIRE**
PROPERTY TYPE: **PRIVATE PROPERTY**
INSPECTION CODE:
APN: **022928328000**

ER INFO (UDF)

OES NUMBER: **12-2022** HOURS: **3.5**
INCIDENT TYPE: **DISPOSAL HAZ WASTE/RELEASED**
ENVIRONMENT TYPE: **STREAM/RIVER**
REFERRAL AGENCY: REFERRAL DATE:
HAULER'S NAME:
NUMBER HOSPITALIZED:
CHEMICAL INFO 1: **CEMENT**
AGENCY NOTIFICATION:
DRUG LAB:
E/R TEAM RESPONDED: **Y**
RESPONDING AGENCY 1: **FISH AND GAME**
RESPONDING AGENCY 2: **SANTA ANA REGIONAL WATER QCB**
RESPONDER 1: **BRENDA MACGREGOR**
RESPONDER 2: **GAIL BECKHAM**
RESPONDER 3:
RESPONDER 4:
CHEMICAL INFO:
RELEASED ☐ CONTAINED ☐ REMOVED ☐
COST RECOVERY: **Y**

SUSPECT
PARTY NAME: DOB:
COMPANY NAME: **AMERON ARROW PLANT** PHONE: EXT:
ADDRESS: **12455 ARROW RTE RANCHO CUCAMONGA,CA** LICENSE NUMBER:

INSPECTED/RESOLVED
EMPLOYEE: **BRENDA MACGREGOR** RESOLVE DATE: **08/07/2012** REQUIRES FURTHER ACTION ☐

PERMIT INFORMATION

PERMITS CURRENT? YES or NO

RECORD ID	PE	PERMIT STATUS	ISSUANCE STATUS	FROM DATE	TO DATE
PT0002262	CE ANNUAL FEE	INACTIVE			
PT0002263	HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES	ACTIVE			
PT0002264	HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	ACTIVE			
PT0002265	APSA 10,001-100,000 GAL FAC CAPACITY	ACTIVE			
PT0013929	CALARP FACILITY PERMIT	ACTIVE			
PT0013930	CALARP STATE FEE	ACTIVE			
PT0013931	EPCRA FACILITY	ACTIVE			
PT0015103	RISK MANAGEMENT PLAN - LEVEL I	ACTIVE			

COMPLAINT DESCRIPTION: CALLER STATES RELEASE OF WATER ONTO PROPERTIES CHANNEL LOCATION, RELEASE OF WATER IS FLOWING NORTH TO SOUTH THE RELEASE CONTAINS CRYSTALS THAT THEY HAVE NEVER SEEN BEFORE. CALLER STATES UNAWARE OF THE CAUSE AND POSSIBLY COULD BE HAZARDOUS. CHARLES CAN ALSO BE REACHED AT HIS OFFICE 909-899-7290.

CHARLES UPDATED INFORMATION AT 3:58PM ON 04/05/2012 ADVISING PH LEVEL IS 12.2 > HAZARDOUS LEVELS.

BLUE BOOK COMMENT

ENTERED BY: **BRENDA MACGREGOR** ENTERED DATE: **04/09/2012** UPDATED BY: **BRENDA MACGREGOR** UPDATED DATE: **02/05/2013**

Monday, April 09, 2012 2:01 PM - BRENDA MACGREGOR

APRIL 5, 2012- 1635 - I, BRENDA MacGREGOR, WAS HANDED THE COMPLAINT FROM KRIS ALFELOR. I AND GAIL BECKHAM RESPONDED TO THE COMPLAINANTS FACILITY ALONG WITH RANCHO CUCAMONGA FIRE CAPTAIN KEVIN WALTON, BC ERIC NOREEN AND SCOTT REPP WITH RANCHO CUCAMONGA WATER ENGINEERING. WE MET WITH CHARLES LINDEN WITH GENON ENERGY. HIS PLANT STAFF HAD NOTICED A WHITE SUBSTANCE FLOWING FROM THE PASS UNDER THE RAILROAD TRACKS FROM THE NORTH ONTO THEIR FACILITY THRU WHAT THEY REFER TO AS CHADWICK CHANNEL.

OBSERVATIONS WERE A WHITE SUBSTANCE THAT HAD STAINED ABOUT 100 YARDS DOWN THE CHANNEL AND THROUGH GENO ENERGY. THE ONE AREA WHERE THE WATER HAD AND WAS STILL POOLED HAD THE SUBSTANCE FLOATING ON THE TOP AND SINKING TO THE BOTTOM. PRELIMINARY pH WAS BETWEEN 12.2 AND 12.6 USING A PH STRIP. REPP, NOREEN AND WALTON LEFT GENON TO SEE IF THEY COULD DETERMINE THE SOURCE OF THE RELEASE. BECKHAM AND I TOOK ONE WATER SAMPLE FROM THE POOLED WATER AND ONE SOIL SAMPLE ON THE GENON PROPERTY. PHOTOS ATTACHED.

SAMPLE #20120405-01 AND 20120405-02

WE LEFT GENON TO MEET UP WITH THE OTHERS THROUGH THE TAMCO PROPERTY. FROM THERE WE WERE ABLE TO LOCATE THE SOURCE PIPE THAT LOOKED TO BE COMING FROM AMERON. A WATER SAMPLE WAS COLLECTED FROM THE CONCRETE CULVERT JUST OUTSIDE THE DISCHARGE PIPE. AMERON WAS CLOSED AND NOTHING COULD BE DONE TILL MORNING.

SAMPLE #20120405-03.

I PLACED THE THREE SAMPLES IN OUR MOBILE LABS SAMPLE REFRIGERATOR AT 2000.

APRIL 6, 2012 - 0930- I, MET MIKE HORN FROM FISH AND GAME, CHUCK GRIFFIN, STEVE MAYVILLE, MARY BARTHOLOMEW FROM THE SANTA ANA REGION WATER QUALITY CONTROL BOARD. WE FIRST WENT TO THE AREA BESIDE THE RAILROAD TRACKS. HORN DETERMINED THAT THERE WAS ONE NATIVE RIPARIAN PLANT SPECIES OF PLANT LIFE THAT WAS ALONG THE CHANNEL. BARTHOLOMEW STAYED AT THAT LOCATION TO TAKE WATER SAMPLES. HORN, MAYVILLE, GRIFFIN AND I THEN WENT ON TO THE TAMCO PROPERTY TO THE LOCATION OF THE DISCHARGE PIPE. THERE WAS NO FENCING AND TAMCO DID NOT KNOW EXACTLY WHERE THE PROPERTY LINE WAS BETWEEN THEM AND AMERON. AT THAT TIME A GROUP TOURING THE AMERON SITE WAS WALKING BY. STAN UMBERGER, AMERON'S PLANT MANAGER BROKE FROM THE GROUP AND CAME OVER TO SPEAK WITH US. WE TOOK HIM TO THE DISCHARGE PIPE AND SHOWED HIM THE DISCHARGE THAT WAS OCCURRING. HE INDICATED THAT THE DISCHARGE PIPE WAS AMERON'S BUT HE DID NOT KNOW THE SOURCE OF THE DISCHARGE. HE THEN GAVE US PERMISSION TO TAKE A WATER SAMPLE JUST OUTSIDE THE DISCHARGE PIPE IN THE CONCRETE CULVERT. HE IMMEDIATELY WENT TO TRY TO DETERMINE THE SOURCE OF THE DISCHARGE. I THEN TOOK A SAMPLE FROM THE END OF THE CONCRETE CULVERT OUTSIDE THE DISCHARGE PIPE.

SAMPLE #20120406-01

BERT PENNER, GROUP MANUFACTURING ENGINEER FROM AMERON WAS NOW ON SCENE TO HELP DETERMINE THE SOURCE OF THE RELEASE.
STAN UMBERGER - 909-276-8533
BERT PENNER - OFFICE 909-944-4100 EXT 173, CELL 951-830-6668

I LEFT FISH AND GAME AND WATER BOARD TO DEAL WITH THE CLEAN UP OF THE CHANNEL. I RECOVERED THE CHILLED SAMPLES FROM THE MOBIL LAB AND TOOK ALL FOUR SAMPLES TO A&R LABORATORIES IN RIVERSIDE. ALL SAMPLES WERE DELIVERED UNDER A CHAIN OF CUSTODY.

APRIL 9, 2012 I SPOKE WITH GRIFFIN ON SITE AT GENON WHERE CLEAN UP WAS OCCURRING. FILTER RECYCLING HAD A MOBILE LAB ON SITE TO SAMPLE DURING CLEAN UP. HORN WAS OVERSEEING THE CLEAN UP.

APRIL 13, 2012 - SAMPLE RESULTS RECEIVED. ALL LEVELS OF METALS AND pH WERE BELOW HAZARDOUS WASTE LEVELS.

MAY 1, 2012 - HORN COMPLETED A WALK THROUGH WITH AMERON FOR SIGN OFF ON THE CLEAN UP. GRIFFIN, HORN AND I, WERE ALLOWING AMERON TO KEEP TO REMEDIATED SOIL ON SITE, AS LONG AS NO RUNOFF OCCURS FROM THE SOIL OFF SITE.

CASE CLOSED

ENTERED BY: **CARLEEN WILEY** ENTERED DATE: **07/05/2012** UPDATED BY: **CARLEEN WILEY** UPDATED DATE: **08/06/2012**

MAILED COST RECOVERY INVOICE IN THE AMOUNT OF $2534.50 ON 07/05/2012.(CARLEEN WILEY)

ER VEHICLE (1)@ 3.5 HRS = $ 332.50
ER TIME (2) @ 3.5 HRS =$1,407.00

LAB ANALYSIS = $ 795.00

TOTAL INVOICE =$2,534.50

Thursday, July 05, 2012 10:28 AM - CARLEEN WILEY
COST RECOVERY INVOICE PAID IN FULL IN THE AMOUNT OF $2,534.50 ON 08/07/2012 RECEIPT#73682. CLOSED. (C. WILEY)

Tuesday, August 07, 2012 4:17 PM - CARLEEN WILEY

California Emergency Management Agency
Hazardous Materials Spill Report

DATE: 04/05/2012 TIME: 1614	RECEIVED BY: Cal EMA - Timothy Britt OSPR -	CONTROL#: Cal EMA - 12-2022 NRC -

1.a. PERSON NOTIFYING Cal EMA:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
	Genon Energy			

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY: Amount >< Measure	c. TYPE:	d. OTHER:	e. PIPELINE	f. VESSEL >= 300 Tons
1. Unknown	= Unknown Unknown	UNSPECIFIED		○ Yes ● No	○ Yes ● No
2.	=			○ Yes ● No	○ Yes ● No
3.	=			○ Yes ● No	○ Yes ● No

g. DESCRIPTION: The caller is reporting an unknown substance flowed onto their property from Chadwick Channel. The channel is now dry and there is a white crystal layer on the ground. The substance flowed from the north of their property.

h. CONTAINED:	i. WATER INVOLVED:	j. WATERWAY:	k. DRINKING WATER IMPACTED
Unknown	Yes	Chadwick Channel	No

l. KNOWN IMPACT Unknown

3. a. INCIDENT LOCATION: 8996 Etiwanda Ave

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME (Military):	c. SITE:	d. CAUSE
04/05/2012	1300	Waterways	Unknown
e. INJURIES	f. FATALITY	g. EVACUATION	h. CLEANUP BY:
○ Yes ● No	○ Yes ● No	○ Yes ● No	Unknown

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:
Unknown			

e. MAIL ADDRESS:	f. CITY:	g. STATE:	h. ZIP:
		CA	

6. NOTIFICATION INFORMATION:

a. ON SCENE:	b. OTHER ON SCENE:	c. OTHER NOTIFIED:

d. ADMIN. AGENCY: San Bernardino County Health Department
e. SEC. AGENCY:
f. ADDITIONAL COUNTY:
g. ADMIN. AGENCY:
h. NOTIFICATION LIST:

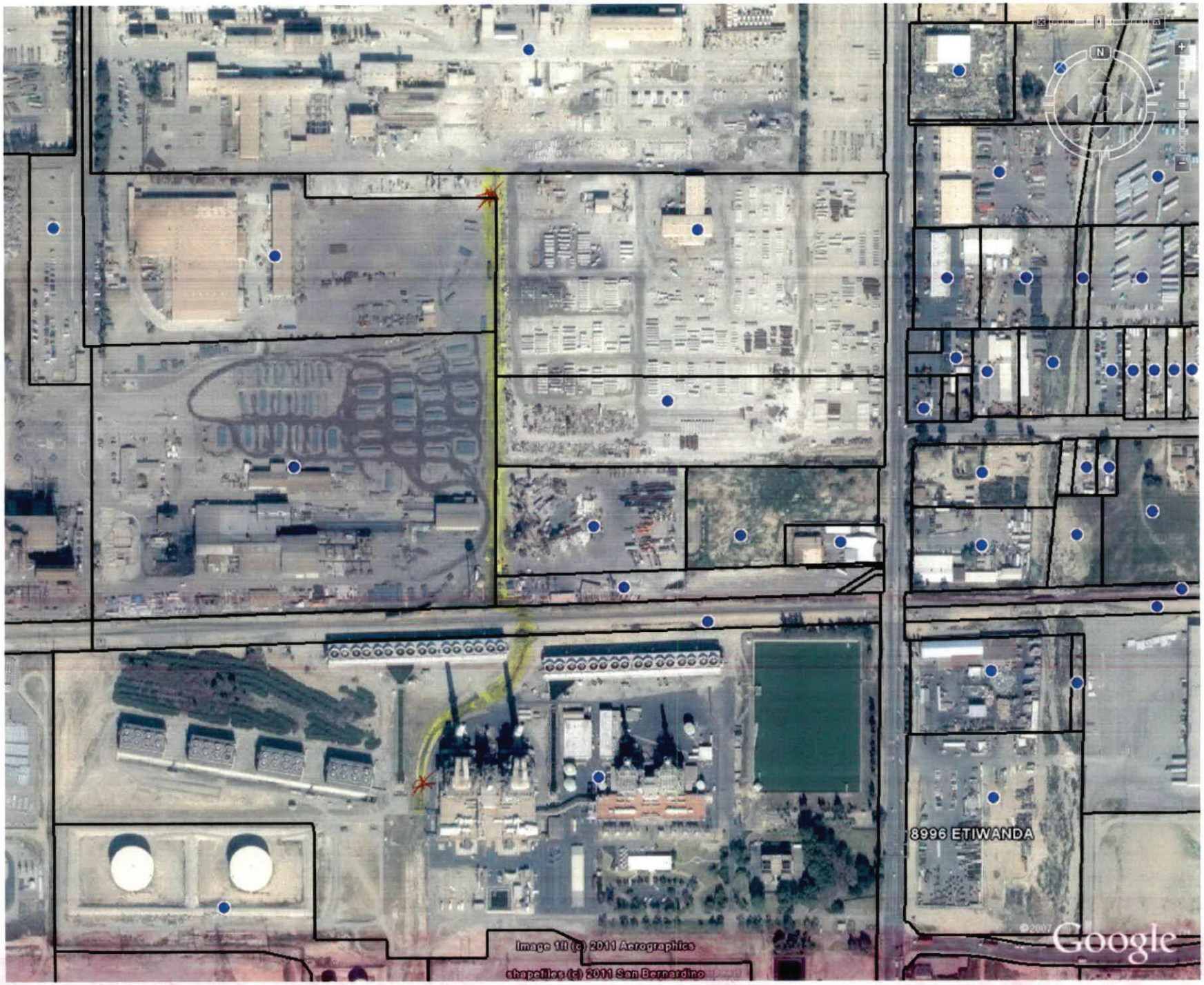
DOG Unit: RWQCB Unit: 8

☒ AA/CUPA	☐ AIR RESOURCES BD	☐ DPR	☐ Cal EMA HAZMATUNIT	☐ SFM	☒ Co/E-Hlth
☒ DFG-OSPR	☐ CALTRANS	☐ EB PARKS	☐ Cal EMA PLANS UNIT	☐ UCSB	☐ OTHER
☒ DTSC	☐ CALFIRE	☐ EMSA	☐ Cal EMA REG	☐ USMMS	☐ DFG/OSPR/MSU
☒ RWQCB	☐ COASTAL COM	☐ FEMA	☐ OSHA	☒ USCG	
☒ US EPA	☒ CDPH-D.O.	☐ FOOD & AG	☒ PARKS & REC	☐ Co/WP	
☒ USFWS	☐ DOG	☒ LANDS	☐ PUC	☒ Co/Hlth	

CONFIDENTIAL REMARKS :	

Warning.center@ops.calema.ca.gov; LALBCDOPublicFolder@USCG.mil; jean.paradis@cdph.ca.gov; RCCAlameda@uscg.mil; R9_RRC@EPA.GOV; SanDiegoJHOC@USCG.mil; DTSC.ER@gmail.com; sectorsanfranciscocommandcenter@uscg.mil

ER — BRENDA


8996 ETIWANDA
Image 1ft (c) 2011 Aerographics
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Microbac®

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Riverside, CA 92507
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3299 Hill Street, Suite 305
Signal Hill, CA 90755
V: 562.498.7005 F: 562.498.8617
www.microbac.com socal@microbac.com

Chain of Custody Record

Microbac WO#

Project No:	Project Name: Etiwanda Power / Ameron
Project Manager: Brenda Mac Gregor	Phone: 9093868421 Fax:
Customer Name: (Report and Billing) SBCo Fire Dept	Address: (Report and Billing) 620 S. E St. San Bernardino CA
Email: bmacgregor	

Analyses Requested (circle appropriate)

Turn Around
- ○ 24hr RUSH*
- ○ 48hr RUSH*
- ⊗ Normal
- ○ Other ____

*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.

Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/ Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Preserved	Micro: Plate Cnt., Coliform, E.Coli	Chem: BOD, TSS, TDS, (pH)	Chem: Cyanide, Ammonia, TKN, Oil & Grease	IC: Br, SO4, PO4, NO3, Cl	Metals: (Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 624	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 625	Pest. &/or PCBs: 608 or 8081/8082					Special Instructions
	20120405-01	G	4/5	1757	S/W	Glass			X			X										
	20120405 02	G	4/5	1804	S	Glass			X			X										
	20120405 03	G	4/5	1400	S/W	Glass			X			X										
	20120406-01	G	4/6	1205	S/W	Glass			X			X										

1) Relinquished by: (Sampler's Signature)	Date: 4/6/12	Time: 1345	3) Relinquished by:	Date:	Time:	5) Relinquished by:	Date:	Time:
2) Received by:	Date:	Time:	4) Received by:	Date:	Time:	6) Received for Laboratory by:	Date: 4/6/12	Time: 1345

Disposal
- ○ Return
- ⊗ Lab Disposal

Unless other arrangements are made samples will be disposed of 60 days after reciept.

This Section is to be completed by Laboratory personnel:

Samples Chilled: ⊗ Yes ○ No ○ From Field

Custody Seals: ⊗ Yes ○ No

Samples Intact: ⊗ Yes ○ No

Temp C:

Delivery: ○ Courier ⊗ Walk In ○ UPS/Fed Ex

Report Delivery Formats
- ☐ Paper ☐ EMAIL ☐ XLS
- ☐ EDD, Type _____
- ☐ EDF, EPA Site ID _____

Laboratory Notes:
S/W as seperate

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples) Yellow Copy - Microbac Files Pink Copy - Client Copy

TERMS AND CONDITIONS

1: By submitting the samples to Microbac the Client agrees to the following terms and conditions, unless superseded by a previous written agreement. The Client is defined as the person or entity who submits the samples to the laboratory. The Client's name, address and project manager must be identified on the Chain of Custody form. If another party pays for the analyses the paying party will be considered the Client. Third party billing must be approved in advance.

2: Microbac will perform the analyses requested on the Chain of Custody form using the methods for which Microbac is approved by the State of California unless other arrangements have been made in advance. At times it may be necessary to subcontract work to other laboratories. The Client will be informed prior to any subcontracting and must approve the subcontracting.

3: Microbac will perform the requested analyses to the best of its ability and within holding times. Samples must be submitted to Microbac with adequate holding time remaining. If circumstances occur which prevent the completion of the samples to the satisfaction of the Client, Microbac will be liable only for the cost of the sample analysis.

4: Microbac will perform only the analyses as described on the Chain of Custody form. Microbac will not be liable for failure of the Client to mark the correct analyses or for improper sample identification. Any additional analysis requests must be submitted in writing or via fax. Verbal requests must be followed up in writing to assure that the proper analyses are preformed.

5: At the Clients request Microbac may submit preliminary results to the Client via fax or email. These results may not have gone through a complete quality control review. Therefore Microbac will not be liable for actions which may be taken based on preliminary results. Because field analyses have not been reviewed for quality they should be considered preliminary.

6: Microbac will release results only to the Client. Microbac will only release results to others if the original Client submits authorization to Microbac in writing. If the Client is no longer available results will not be released. Note that Microbac will release results if required to by law. All data will be discarded seven years after sample receipt.

7: Rush analyses must be approved by the laboratory prior to the Client submitting the samples to Microbac. Microbac cannot guarantee the requested turnaround unless prior approval is given.

8: All samples remain the property of the Client. Microbac will dispose of samples after 90 days. Samples will be either returned to the client or disposed of by Microbac at Microbac's discretion. Microbac may charge the Client for sample disposal per quotation.

9: Microbac reserves the right to refuse or return samples prior to analysis at our own discretion. Failure to pay previous invoices, unusual or dangerous sample matrixes, and insufficient holding time remaining are just a few of the reasons for sample refusal. Microbac will attempt to notify the client as soon as possible if samples are refused.

10: **PAYMENT TERMS:** The Client agrees to pay Microbac for the analyses requested in accordance with prices quoted, including any rush, courier or disposal charges. Payment terms are net 30 days from the date of invoice by Microbac. All overdue payments are subject to an additional interest and service charge of one and one half percent (1.5%) per month or portion thereof from the due date until the date of payment. All payment must be made in United States currency. Should default be made by Client in payment of any amount due Microbac for any order or service rendered and if action be instituted to collect said sums, the prevailing party will be entitled to such additional sum as the Court may fix as reasonable attorney's fees.

A & R Laboratories
Formerly Microbac Southern California
1401 RESEARCH PARK DRIVE, SUITE 100
RIVERSIDE, CA 92507
951-779-0310 FAX 951-779-0344
www.arlaboratories.com office@arlaboratories.com

INVOICE
No. 67355

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CUSTOMER	SUBJECT
SBC/FIRE DEPT/HAZ MAT TINA SUTERA 620 S. "E" STREET SAN BERNARDINO, CA 92415-0153	Project: ETIWANDA POWER / AMERON

Date Sampled: 04/05/12 *Date Received:* 04/06/12

WORK ORDER NO.	TERMS	CUSTOMER ACCOUNT NO.	DATE	PURCHASE ORDER NO.
1204-00049	NET 30 DAYS	1386	04/13/12	Z5606

ITEM	METHOD	COST	QUANTITY	EXT. COST
[Metals Title 22 no Hg]	EPA 6010B	$76.50	4	$306.00
[Mercury]	EPA 7471A	$28.50	4	$114.00
pH	EPA 9045C	$10.00	3	$30.00
[Metals Title 22 no Hg]	EPA 6010B	$76.50	3	$229.50
[Mercury]	EPA 7470A	$28.50	3	$85.50
pH	SM 4500H+ B	$10.00	3	$30.00

Please include your customer account number and the invoice number with all remittances.
Thank You.

Total Amount	$795.00
Prepaid Amount	$0.00
Amount Due	**$795.00**

A & R Laboratories
Formerly Microbac Southern California
1401 RESEARCH PARK DRIVE, SUITE 100
RIVERSIDE CA, 92507
951-779-0310 FAX 951-779-0344
www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#'s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng Ken Zheng, President 04/13/2012 16:06:31
Laboratory Job No. (Certificate of Analysis No.)	1204-00049
Project Name / No.	ETIWANDA POWER / AMERON Z5606
Dates Sampled (from/to)	04/05/12 To 04/06/12
Dates Received (from/to)	04/06/12 To 04/06/12
Dates Reported (from/to)	04/13/12 To 4/13/2012
Chains of Custody Received	Yes

Comments:

Subcontracting
Inorganic Analyses
No analyses sub-contracted

Sample Condition(s)
All samples intact

Positive Results (Organic Compounds)
None

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

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LA City#	10261
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CERTIFICATE OF ANALYSIS

1204-00049

SBC/FIRE DEPT/HAZ MAT
BRENDA MAC GREGOR
620 S. "E" STREET
SAN BERNARDINO, CA 92415-0153

Date Reported	04/13/12
Date Received	04/06/12
Invoice No.	67355
Cust #	1386
Permit Number	
Customer P.O.	Z5606

Project: ETIWANDA POWER / AMERON

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **20120405-01 (SOLID), GRAB**					Date & Time Sampled:		04/05/12 @ 17:57	
Sample Matrix: **Solid**								
pH	**11**		units	EPA 9045C	1	0	04/12/12	GNL
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1		04/07/12	TLB
Antimony	**2.90**		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Arsenic	**2.09**		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Barium	**99.8**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cadmium	**1.39**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Chromium	**118**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cobalt	**4.23**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Copper	**84.8**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Lead	**43.0**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Molybdenum	**3.35**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Nickel	**29.4**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Vanadium	**40.0**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Zinc	**287**		mg/Kg	EPA 6010B	1	5.00	04/07/12	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1		04/09/12	KZ
Mercury	**0.038**		mg/Kg	EPA 7471A	1	0.0200	04/09/12	KZ
Sample: 002 **20120405-01 (LIQUID), GRAB**					Date & Time Sampled:		04/05/12 @ 17:57	
Sample Matrix: **Solid**								
pH	**12**		units	SM 4500H+ B	1	0.020	04/05/12	LNS
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3010A	1		04/07/12	KZ
Antimony	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Arsenic	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Barium	**0.195**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Beryllium	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Cadmium	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ

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BRENDA MAC GREGOR
620 S. "E" STREET
SAN BERNARDINO, CA 92415-0153

Date Reported	04/13/12
Date Received	04/06/12
Invoice No.	67355
Cust #	1386
Permit Number	
Customer P.O.	Z5606

Project: ETIWANDA POWER / AMERON

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 **20120405-01 (LIQUID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/05/12 @ 17:57	
.....continued								
Chromium	**0.0528**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Cobalt	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Copper	**0.265**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Lead	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Molybdenum	**0.0159**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Nickel	**0.0142**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Selenium	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Silver	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Thallium	<0.100		mg/L	EPA 6010B	1	0.100	04/10/12	KZ
Vanadium	**0.0227**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Zinc	<0.0400		mg/L	EPA 6010B	1	0.0400	04/10/12	KZ
[Mercury]								
Mercury Digestion	Complete			EPA 7470A	1		04/09/12	KZ
Mercury	<0.500		ug/L	EPA 7470A	1	0.500	04/09/12	KZ
Sample: 003 **20120405-02 (SOLID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/05/12 @ 18:04	
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1		04/07/12	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Arsenic	**1.19**		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Barium	**28.9**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Chromium	**4.06**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cobalt	<0.500		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Copper	**8.97**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Lead	**1.87**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Molybdenum	**0.548**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Nickel	**2.01**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB

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SAN BERNARDINO, CA 92415-0153

Date Reported	04/13/12
Date Received	04/06/12
Invoice No.	67355
Cust #	1386
Permit Number	
Customer P.O.	Z5606

Project: ETIWANDA POWER / AMERON

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 **20120405-02 (SOLID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/05/12 @ 18:04	
.....continued								
Thallium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Vanadium	**3.78**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Zinc	**18.1**		mg/Kg	EPA 6010B	1	5.00	04/07/12	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1		04/09/12	KZ
Mercury	**0.071**		mg/Kg	EPA 7471A	1	0.0200	04/09/12	KZ
Sample: 004 **20120405-03 (SOLID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/05/12 @ 19:00	
pH	**12**		units	EPA 9045C	1	0	04/12/12	GNL
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1		04/07/12	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Arsenic	**2.60**		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Barium	**55.4**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Chromium	**16.0**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cobalt	**1.34**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Copper	**31.4**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Lead	**8.90**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Molybdenum	**1.79**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Nickel	**7.10**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Vanadium	**9.56**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Zinc	**60.2**		mg/Kg	EPA 6010B	1	5.00	04/07/12	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1		04/09/12	KZ
Mercury	<0.0200		mg/Kg	EPA 7471A	1	0.0200	04/09/12	KZ

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SAN BERNARDINO, CA 92415-0153

Date Reported	04/13/12
Date Received	04/06/12
Invoice No.	67355
Cust #	1386
Permit Number	
Customer P.O.	Z5606

Project: ETIWANDA POWER / AMERON

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 **20120405-03 (LIQUID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/05/12 @ 19:00	
pH	**12**		units	SM 4500H+ B	1	0.020	04/05/12	LNS
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3010A	1		04/07/12	KZ
Antimony	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Arsenic	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Barium	**0.322**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Beryllium	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Cadmium	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Chromium	**0.138**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Cobalt	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Copper	<0.0100		mg/L	EPA 6010B	1	0.0100	04/10/12	KZ
Lead	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Molybdenum	**0.0139**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Nickel	<0.0100		mg/L	EPA 6010B	1	0.0100	04/10/12	KZ
Selenium	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Silver	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Thallium	<0.100		mg/L	EPA 6010B	1	0.100	04/10/12	KZ
Vanadium	<0.0100		mg/L	EPA 6010B	1	0.0100	04/10/12	KZ
Zinc	<0.0400		mg/L	EPA 6010B	1	0.0400	04/10/12	KZ
[Mercury]								
Mercury Digestion	Complete			EPA 7470A	1		04/09/12	KZ
Mercury	<0.500		ug/L	EPA 7470A	1	0.500	04/09/12	KZ
Sample: 006 **20120406-01 (SOLID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/06/12 @ 12:05	
pH	**11**		units	EPA 9045C	1	0	04/12/12	GNL
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1		04/07/12	TLB
Antimony	**5.39**		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Arsenic	**2.60**		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Barium	**179**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cadmium	**2.40**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB

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Project: ETIWANDA POWER / AMERON

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 **20120406-01 (SOLID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/06/12 @ 12:05	
.....continued								
Chromium	**183**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Cobalt	**6.05**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Copper	**188**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Lead	**85.4**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Molybdenum	**7.41**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Nickel	**53.7**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1	1.00	04/07/12	TLB
Vanadium	**65.1**		mg/Kg	EPA 6010B	1	0.500	04/07/12	TLB
Zinc	**566**		mg/Kg	EPA 6010B	1	5.00	04/07/12	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1		04/09/12	KZ
Mercury	<0.0200		mg/Kg	EPA 7471A	1	0.0200	04/09/12	KZ
Sample: 007 **20120406-01 (LIQUID), GRAB** Sample Matrix: **Solid**					Date & Time Sampled:		04/06/12 @ 12:05	
pH	**12**		units	SM 4500H+ B	1	0.020	04/05/12	LNS
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3010A	1		04/07/12	KZ
Antimony	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Arsenic	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Barium	**0.248**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Beryllium	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Cadmium	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Chromium	**0.118**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Cobalt	<0.00500		mg/L	EPA 6010B	1	0.00500	04/10/12	KZ
Copper	**0.0208**		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Lead	<0.0200		mg/L	EPA 6010B	1	0.0200	04/07/12	KZ
Molybdenum	<0.0100		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Nickel	<0.0100		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Selenium	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 **20120406-01 (LIQUID), GRAB**					Date & Time Sampled:		04/06/12 @ 12:05	
Sample Matrix: **Solid**								
.....continued								
Silver	<0.0200		mg/L	EPA 6010B	1	0.0200	04/10/12	KZ
Thallium	<0.100		mg/L	EPA 6010B	1	0.100	04/10/12	KZ
Vanadium	<0.0100		mg/L	EPA 6010B	1	0.0100	04/07/12	KZ
Zinc	**0.0730**		mg/L	EPA 6010B	1	0.0400	04/07/12	KZ
[Mercury]								
Mercury Digestion	Complete			EPA 7470A	1		04/09/12	KZ
Mercury	<0.500		ug/L	EPA 7470A	1	0.500	04/09/12	KZ

Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Marilu Escher, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at arlab@arlaboratories.com.

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

A & R Laboratories

Formerly Microbac Southern California

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FDA#	2030513
LA City#	10261
ELAP#'s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

SBC/FIRE DEPT/HAZ MAT
SAN BERNARDINO, CA 92415-0153

1204-00049

Date Reported	**04/13/2012**
Date Received	**04/06/2012**
Date Sampled	**04/05/2012**
Invoice No.	**67355**
Customer #	**1386**
Customer P.O.	**Z5606**

Project: ETIWANDA POWER / AMERON

Method # EPA 6010B

QC Reference # 34289 **Date Analyzed:** 4/7/2012 **Technician:** TLB

Samples 001 003 004 006

Results

	LCS %REC	LCS %DUP	LCS %RPD
Antimony	100	97	2.3
Arsenic	104	101	2.8
Barium	104	100	4.5
Beryllium	102	98	4.5
Cadmium	100	96	4.1
Chromium	102	99	3.1
Cobalt	103	99	3.8
Copper	101	99	2.1
Lead	102	96	5.7
Molybdenum	101	98	2.6
Nickel	102	99	3.3
Selenium	104	100	3.3
Silver	100	96	4.2
Thallium	102	98	4.0
Vanadium	102	98	4.0
Zinc	103	98	4.6

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20

QC Reference # 34346 **Date Analyzed:** 4/10/2012 **Technician:** KZ

Samples 002 005 007

Results

	LCS %REC	LCS %DUP	LCS %RPD
Antimony	104	103	1.2
Arsenic	101	101	0.2
Barium	99	95	4.4
Beryllium	99	100	1.0
Cadmium	102	101	1.3
Chromium	102	101	0.7
Cobalt	102	101	1.5
Copper	103	102	0.9
Lead	101	100	0.7
Molybdenum	96	97	1.3
Nickel	103	102	0.9
Selenium	105	106	1.3
Silver	113	128	13.2
Thallium	104	103	0.6
Vanadium	102	101	1.3
Zinc	105	103	1.6

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 25
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20
75 - 125	0 - 20

Method # EPA 7470A

QC Reference # 34415 **Date Analyzed:** 4/9/2012 **Technician:** KZ

Samples 002 005 007

Results

	LCS %REC	LCS %DUP	LCS %RPD
Mercury	86	90	5

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 25

A R L

A & R Laboratories
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	2122

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FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

SBC/FIRE DEPT/HAZ MAT

1204-00049

Date Reported 04/13/2012
Date Received 04/06/2012
Date Sampled 04/05/2012

Project: ETIWANDA POWER / AMERON

Method # EPA 7471A
QC Reference # 34312 **Date Analyzed:** 4/9/2012 **Technician:** KZ
Samples 001 003 004 006

Results

	LCS %REC	LCS %DUP	LCS %RPD
Mercury	101	102	1.1

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 25

Method blank results

Ref	Test Name	Result	Qualif	Units
34289	Antimony	*0.703*		mg/Kg
	Arsenic	*0.437*		mg/Kg
	Molybdenum	*0.279*		mg/Kg
	Selenium	*0.487*		mg/Kg
	Silver	*0.201*		mg/Kg
	Lead	*0.00223*		mg/L

Ref	Test Name	Result	Qualif	Units

Respectfully Submitted: Ken Zheng

Ken Zheng - President

For any feedback concerning our services, please contact Marilu Escher, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at arlab@arlaboratories.com.

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Chain of Custody Recor 1204 - 49

www.microbac.com socal@microbac.com Page ____ of ____

Project No:	**Project Name:** Etiwanda Power / Ameron
Project Manager: Brenda Mac Gregor	**Phone:** 9093868421 **Fax:**
Customer Name: (Report and Billing) SBCo Fire Dept	**Address:** (Report and Billing) 620 S. E St. San Bernardino CA
Email: bmacgregor	

Analyses Requested (circle appropriate)

Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/ Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Preserved	Micro: Plate Cnt., Coliform, E.Coli	Chem: BOD, TSS, TDS, (pH)	Chem: Cyanide, Ammonia, TKN, Oil & Grease	IC: Br, SO4, PO4, NO3, Cl	Metals: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 624	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 625	Pest. &/or PCBs: 608 or 8081/8082			
1/2	20120405-01	G	4/5	1757	S/W	Glass			X			X									
3	20120405 02	G	4/5	1804	S	Glass	(pH)		X			X									
4/5	20120405 03	G	4/5	1900	S/W	Glass			X			X									
6/7	20120406-01	G	4/6	1205	S/W	Glass			X			X									

Turn Around
- ○ 24hr RUSH*
- ○ 48hr RUSH*
- ⊗ Normal
- ○ Other ____

*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.

Special Instructions

1) Relinquished by: (Sampler's Signature)	Date: 4/6/12	Time: 1345	3) Relinquished by:	Date:	Time:
5) Relinquished by:	Date:	Time:			
2) Received by:	Date:	Time:	4) Received by:	Date:	Time:
6) Received for Laboratory by:	Date: 4/6/12	Time: 1345			

Disposal
- ○ Return
- ⊗ Lab Disposal

Unless other arrangements are made samples will be disposed of 60 days after reciept.

This Section is to be completed by Laboratory personnel:

Samples Chilled: ⊗ Yes ○ No ○ From Field
Custody Seals: ⊗ Yes ○ No
Samples Intact: ⊗ Yes ○ No
Temp C:
Delivery: ○ Courier ⊗ Walk In ○ UPS/Fed Ex

Report Delivery Formats
- ☐ Paper ☐ EMAIL ☐ XLS
- ☐ EDD, Type _____
- ☐ EDF, EPA Site ID _____

Laboratory Notes: ~~NOT~~ NOT ENOUGH SAMPLE REC'D FOR BOTH - PER BRENDA CANCEL PH
S/W as seperate

4/6/12 1345

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples) Yellow Copy - Microbac Files Pink Copy - Client Copy

SAN BERNARDINO COUNTY FIRE DEPARTMENT

SOURCE - ENVISION E/R

SITE LOCATION: **8996 ETIWANDA AVE RANCHO CUCAMONGA**
RECORD ID: **CO0027236**
RELATED ID:
ACCOUNT ID: **AR0002943**

FACILITY INFO

FACILITY: **FA0002943**
FACILITY NAME: **RRI ENERGY ETIWANDA**
FACILITY ADDRESS: **8996 ETIWANDA AVE**
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**

CONTACT

COMPLAINT

COMPLAINANT:
ADDRESS:
CITY:
COUNTRY: **USA** STATE: ZIP:
WORK PHONE EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: **JERRY WONG**
RECEIVED DATE: **03/03/2010** RECEIVED TIME: **19:03:00**
ASSIGNED TO: **JERRY WONG**
ASSIGNED DATE: **03/03/2010** ASSIGNED TIME: **19:03:00**
STATUS: **CLOSED**
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME:
BUS NAME: **RRI ENERGIY ETIWANDA**
ADDRESS: **8996 ETIWANDA AVE**
2nd ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**
COUNTRY: **USA**
PHONE 1: **Not Specified** EXT:

OWNER'S INFO

OWNER NAME:
BUSINESS NAME: **RRI ENERGY ETIWANDA**
ADDRESS: **8996 ETIWANDA AVE**
2ND ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**
HOME PHONE: **909-899-7260** EXT:
WORK PHONE: EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT: **UNKNOWN**
LOCATION: **DISTRICT 2**
CITY CODE: **RANCHO CUCAMONGA**
JURISDICTION: **R C FIRE**
PROPERTY TYPE: **CITY**
INSPECTION CODE: **EMERGENCY RESPONSE**
APN:

ER INFO (UDF)

OES NUMBER: **10-1543** HOURS: **1907**
INCIDENT TYPE: **DISPOSAL HAZ WASTE/ABANDONED**
ENVIRONMENT TYPE: **FACILITY SITE**
REFERRAL AGENCY: REFERRAL DATE:
HAULER'S NAME: **MP ENVIRONMENTAL**
NUMBER HOSPITALIZED:
CHEMICAL INFO 1: **OIL - 35 GAL**
AGENCY NOTIFICATION: **Y**
DRUG LAB:
E/R TEAM RESPONDED:
RESPONDING AGENCY 1:
RESPONDING AGENCY 2:
RESPONDER 1:
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:
CHEMICAL INFO:
RELEASED ☑ CONTAINED ☑ REMOVED ☑
COST RECOVERY:

SUSPECT

PARTY NAME:
COMPANY NAME: **RRI ENERGY**
ADDRESS: **8996 ETIWANDA AVE**
RANCHO CUCAMONGA,CA 91739
DOB:
PHONE: EXT:
LICENSE NUMBER:

INSPECTED/RESOLVED

EMPLOYEE: **JERRY WONG** RESOLVE DATE: **03/03/2010** REQUIRES FURTHER ACTION ☐

PERMIT INFORMATION

PERMITS CURRENT? YES or NO

RECORD ID	PE	PERMIT STATUS	ISSUANCE STATUS	FROM DATE	TO DATE
PT0002262	CE ANNUAL FEE	INACTIVE			
PT0002263	GENERATOR - 26-50 EMPLOYEES	ACTIVE			
PT0002264	HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	ACTIVE			
PT0002265	APSA 10,001-100,000 GAL FAC CAPACITY	ACTIVE			
PT0013929	CALARP FACILITY PERMIT	ACTIVE			
PT0013930	CALARP STATE FEE	ACTIVE			
PT0013931	EPCRA FACILITY	ACTIVE			
PT0015103	RISK MANAGEMENT PLAN - LEVEL I	ACTIVE			

COMPLAINT DESCRIPTION: OIL LINE ON A PIECE OF EQUIPMENT APPEAR TO HAVE BROKEN CAUSING THE SPILL.

BLUE BOOK COMMENT

ENTERED BY: **CARLEEN WILEY** ENTERED DATE: **03/04/2010** UPDATED BY: **CARLEEN WILEY** UPDATED DATE: **03/04/2010**

PAUL LACROIX, AGENT FOR RRI ENERGY, REPORTED THAT A PIECE OF EQUPMENT LOST 35 GALLONS OF OIL DUE TO A BROKEN OIL LINE. RRI ENERGY HAS CONTRACTED WITH MP ENVIRONMENTAL FOR CLEAN-UP OF THE OIL RELEASE. OIL RELEASE MIGRATED TO ADJACENT PROPERTY MP RECYLING. RRI ALSO CLEANING OIL SPRAY TO BUILDING AND CARS. (JERRY WONG)

March 04, 2010 08:42 AM - D4783

San Bernardino County Fire Department

Emergency Response Form

COORTZ

FACILITY INFO

FACILITY ID: 2943
FACILITY NAME: RRI Energy Etiwanda
FACILITY ADDRESS: 8996 Etiwanda Ave
CITY: Rancho Cucamonga STATE: CA ZIP: 91739

START TIME: 19:03
COMPLETED TIME: 19:30

CONTACT

COMPLAINT

COMPLAINANT / ER: Paul LaCroix
ADDRESS:
CITY:
COUNTRY: STATE: ZIP:
WORK PHONE: 909 322-5971 EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: Jerry Wong
RECEIVED DATE: 3/3/10 RECEIVED TIME: 19:03
ASSIGNED TO:
ASSIGNED DATE: ASSIGNED TIME:
STATUS: Closed
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME/RP:
BUS NAME: RRI Energy Etiwanda
ADDRESS: 8996 Etiwanda Ave
2nd ADDRESS:
CITY: Rancho Cucamonga STATE: CA ZIP: 91739
COUNTRY:
PHONE : EXT:

OWNER'S INFO

OWNER NAME:
BUSINESS NAME: RRI Energy Etiwanda
ADDRESS: 8996 Etiwanda Ave
2ND ADDRESS:
CITY: Rancho Cuc STATE: CA ZIP: 91739
HOME PHONE: EXT:
WORK PHONE: 909 899-7260 EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT(Inspector): 2
LOCATION(Supervisorial):
CITY CODE: Rancho Cucamonga

JURISDICTION(Fire):
PROPERTY TYPE:
INSPECTION CODE:
APN:

ER INFO (UDF)

OES NUMBER: 10-1543 HOURS: 19:07
INCIDENT TYPE:
ENVIRONMENT TYPE:
NUMBER HOSPITALIZED: 0
HAULER'S NAME: MP Environmental

COST RECOVERY ☐
E/R TEAM RESPONDED ☐
DRUG LAB ☐
AGENCY NOTIFICATION ☒

RESPONDER 1:
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:

REFERRAL AGENCY: REFERRAL DATE:
RESPONDING AGENCY 1:
RESPONDING AGENCY 2:
CHEMICAL INFO 1: Oil - 35 gal
CHEMICAL INFO 2:

HAZMAT RELEASED ☒
CONTAINED ☒
REMOVED ☒

SUSPECT

PARTY NAME: DOB:
COMPANY NAME: RRI Energy PHONE: 909-322-5971 EXT:
ADDRESS: LICENSE NUMBER:
CITY: STATE: ZIP:

INSPECTED/RESOLVED EMPLOYEE: RESOLVE DATE: REQUIRES FURTHER ACTION ☐

COMPLAINT DESCRIPTION:

Paul La Croix, agent for RRT Energy, reported that a piece of equipment lost 35 gallons of Oil due to a broken Oil Line. RRT Energy has contracted with MP Environmental for clean-up of the Oil release. Oil release migrated to Adjacent Property SA Recycling. RRT also cleaning oil spray to building and cars.

COMMENTS

SIGNATURE: Jerry Wong

DATE: 3/4/2010

California Emergency Management Agency
Hazardous Materials Spill Report

DATE: 03/03/2010 TIME: 1907	RECEIVED BY: Cal EMA - Tim Tribble OSPR -	CONTROL#: Cal EMA - 10-1543 NRC -

1.a. PERSON NOTIFYING Cal EMA:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Paul Lacroix	RRI Energy	909-322-5971		

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	Amount	Measure	c. TYPE:	d. OTHER:
1. Lube Oil	=	35	Gal(s)	PETROLEUM	
2.	=				
3.	=				

e. DESCRIPTION: Oil lines on a piece of equipment appear to have broken causing the spill.

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:	i.DRINKING WATER IMPACTED
Yes	No		

j. KNOWN IMPACT None

3. a. INCIDENT LOCATION: 8996 Etiwanda Ave

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	91739

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME (Military):	c. SITE:	d. CAUSE
03/03/2010	1600	Utilities/Substation	Mechanical
e. INJURIES	f. FATALITY	g. EVACUATION	h. CLEANUP BY:
			Contractor

○ YES ○ NO ○ YES ○ NO ○ YES ● NO

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:	
Paul Lacroix	RRI Energy	909-322-5971		
e. MAIL ADDRESS:		f. CITY:	g. STATE:	h. ZIP:
8996 Etiwanda Ave		Rancho Cucamonga	CA	91739

6. NOTIFICATION INFORMATION:

a. ON SCENE: b. OTHER ON SCENE: c. OTHER NOTIFIED:

d. ADMIN. AGENCY: San Bernardino County Health Department e. SEC. AGENCY:

f. ADDITIONAL COUNTY: g. ADMIN. AGENCY:

h. NOTIFICATION LIST:

DOG Unit: RWQCB Unit: 8

☒ AA/CUPA	☒ USFWS	☐ CDPH-D.O.	☐ FEMA	☐ Cal EMA REG	☐ USMMS	☐ OTHER
☒ DFG-OSPR	☐ AIR RESOURCES BD	☐ DOG	☐ FOOD & AG	☐ OSHA	☐ USCG	
☒ DTSC	☐ CALTRANS	☐ DPR	☐ LANDS	☐ PARKS & REC	☐ Co/WP	
☒ RWQCB	☐ CDF	☐ EB PARKS	☐ Cal EMA HAZMATUNIT	☐ PUC	☐ Co/Hlth	
☒ US EPA	☐ COASTAL COM	☐ EMSA	☐ Cal EMA PLANS UNIT	☐ SFM	☐ Co/E-Hlth	

Warning.center@oes.ca.gov; R9_RRC@EPA.GOV; DTSCLER@gmail.com

smayville@waterboards.ca.gov

California Emergency Management Agency
Hazardous Materials Spill Report

DATE: 03/03/2010 TIME: 1907	RECEIVED BY: Cal EMA - Tim Tribble OSPR -	CONTROL#: Cal EMA - **10-1543** NRC -

1.a. PERSON NOTIFYING Cal EMA:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Paul Lacroix	RRI Energy	909-322-5971		

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	*Amount*	*Measure*	c. TYPE:	d. OTHER:
1. Lube Oil	=	35	Gal(s)	PETROLEUM	
2.	=				
3.	=				

e. DESCRIPTION: Oil lines on a piece of equipment appear to have broken causing the spill.

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:	i.DRINKING WATER IMPACTED
Yes	No		

j. KNOWN IMPACT None

3. a. INCIDENT LOCATION: 8996 Etiwanda Ave

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	91739

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME *(Military)*:	c. SITE:	d. CAUSE
03/03/2010	1600	Utilities/Substation	Mechanical

e. INJURIES	f. FATALITY	g. EVACUATION	h. CLEANUP BY:
○ Yes ● No	○ Yes ● No	○ Yes ● No	Contractor

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:	
Paul Lacroix	RRI Energy	909-322-5971		
e. MAIL ADDRESS:		**f. CITY:**	**g. STATE:**	**h. ZIP:**
8996 Etiwanda Ave		Rancho Cucamonga	CA	91739

6. NOTIFICATION INFORMATION:

a. ON SCENE: **b. OTHER ON SCENE:** **c. OTHER NOTIFIED:**

d. ADMIN. AGENCY: San Bernardino County Health Department **e. SEC. AGENCY:**

f. ADDITIONAL COUNTY: **g. ADMIN. AGENCY:**

h. NOTIFICATION LIST:

DOG Unit: RWQCB Unit: 8

☒ AA/CUPA	☒ USFWS	☐ CDPH-D.O.	☐ FEMA	☐ Cal EMA REG	☐ USMMS	☐ OTHER
☒ DFG-OSPR	☐ AIR RESOURCES BD	☐ DOG	☐ FOOD & AG	☐ OSHA	☐ USCG	
☒ DTSC	☐ CALTRANS	☐ DPR	☐ LANDS	☐ PARKS & REC	☐ Co/WP	
☒ RWQCB	☐ CDF	☐ EB PARKS	☐ Cal EMA HAZMATUNIT	☐ PUC	☐ Co/Hlth	
☒ US EPA	☐ COASTAL COM	☐ EMSA	☐ Cal EMA PLANS UNIT	☐ SFM	☐ Co/E-Hlth	

Warning.center@oes.ca.gov; R9_RRC@EPA.GOV; DTSC.ER@gmail.com

smayville@waterboards.ca.gov

May 7, 2012

Mr. Stan Umberger
Plant Manager
NOV Ameron International Corporation
10881 Foothill Blvd, Suite 450
Rancho Cucamonga, CA 91730

DISCHARGE OF WASTEWATER FROM FACILITY LOCATED AT 12455 ARROW ROUTE, RANCHO CUCAMONGA

Dear Mr. Umberger:

On April 5, 2012, San Bernardino County Fire HAZMAT discovered a discharge of caustic wastewater from a storm water treatment unit located on your facility located at 12455 Arrow Route, Rancho Cucamonga. This discharge, which field tested at a pH exceeding 12, was observed flowing from your facility in an improved and unimproved drainage channel. Based upon observations of pooled liquid and residual deposits in the downstream drainage system, wastewater had flowed beneath the BNSF railroad tracks and into the drainage system that passes through the Genon steam generating facility. This discharge of wastewater resulted in a significant clean-up operation in which the San Bernardino County Fire HAZMAT, California Department of Fish and Game, and Regional Water Board staffs provided over-sight for the purpose of protecting the State's water resources. The clean-up operation is complete and all pertinent parties have acknowledged its completion. We appreciated your timely cooperation with the clean-up operation.

We are continuing to gather information in order to determine the cause of the discharge. We request your further cooperation by providing the following documents and plans:

1. A copy of the Storm Water Pollution Prevention Plan that was in effect on April 5, 2012 (a digital copy would be sufficient).
2. An up to date copy of the Arrow Route facility's sprinkler system for pipe curing and the runoff drainage system plans (again, a digital copy would be sufficient).
3. A copy of sheets 7 and 8 that are referred to in the site piping and drainage plan.
4. A set of design (or, preferably, "As Built") plans and specifications for the two storm water treatment systems installed at the Arrow Route facility.
5. A description and specifications for each treatment system media for the storm water treatment systems. Also, please provide vendor contact information for the media.
6. A detailed explanation of the processes that the storm water treatment system utilizes to perform physical, chemical and mass transport functions, as well as retention time and capacity for each stage in the system.
7. The storm water treatment system manufacturer's recommended maintenance cycle and procedures for servicing it (including recommended frequency of each type of maintenance).
8. An estimate of the duration and quantity of wastewater discharged.

9. A detailed summary of the clean-up effort (including the amount of liquid and soil excavated and retained).
10. An accounting (including documentation or certifications) of the final disposition of all liquid and soil accumulated during the clean-up.
11. A description of improvements, procedures, and policies to prevent future discharges.

Your cooperation with this fact finding effort would be appreciated. If you have any questions, please contact Chuck Griffin at (951) 782-4996 (email: CGriffin@waterboards.ca.gov) or myself at (951) 782-4992 (email: SMayville@waterboards.ca.gov).

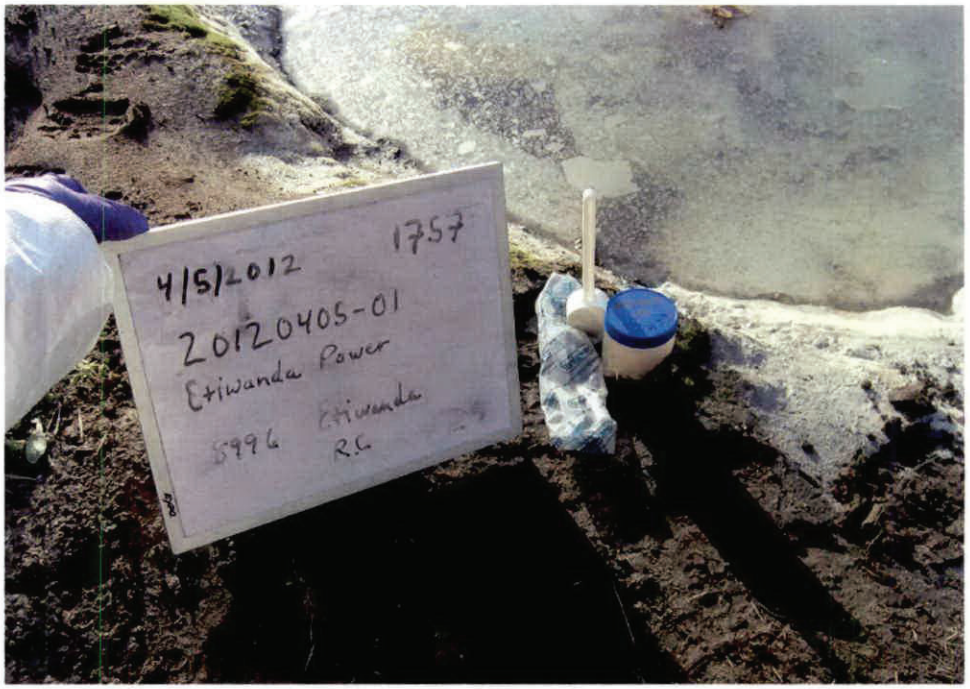
Sincerely,

Stephen D Mayville

Stephen D. Mayville R.C.E.
Chief, Enforcement and Dairy Units

cc: Michael Horn, Lt., Department of Fish & Game
Brenda Mac Gregor, San Bernardino Fire/HAZMAT
Scott Rapp, City of Rancho Cucamonga

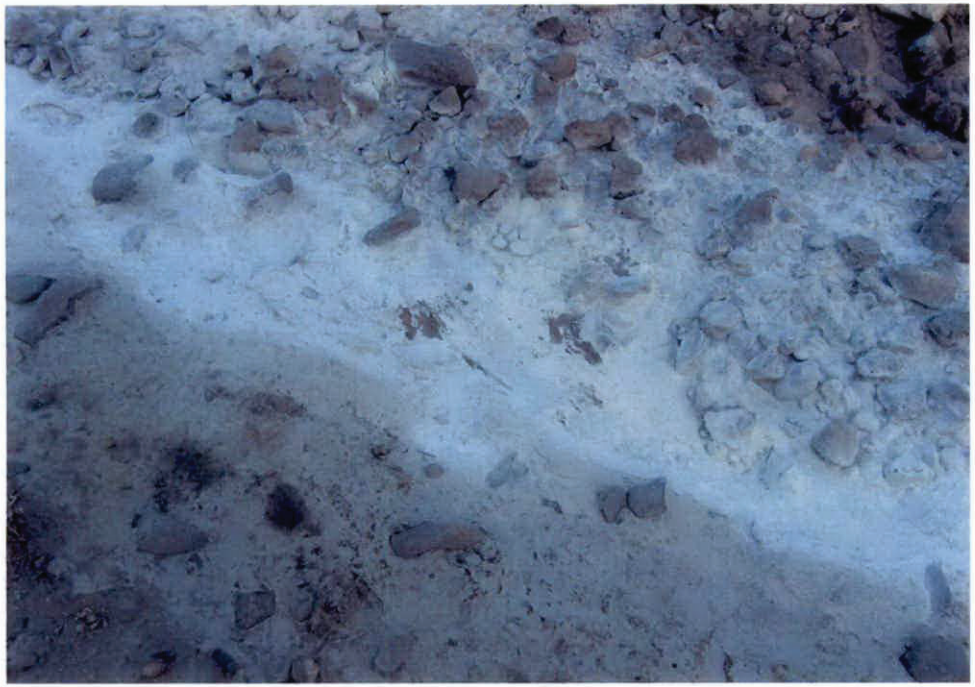


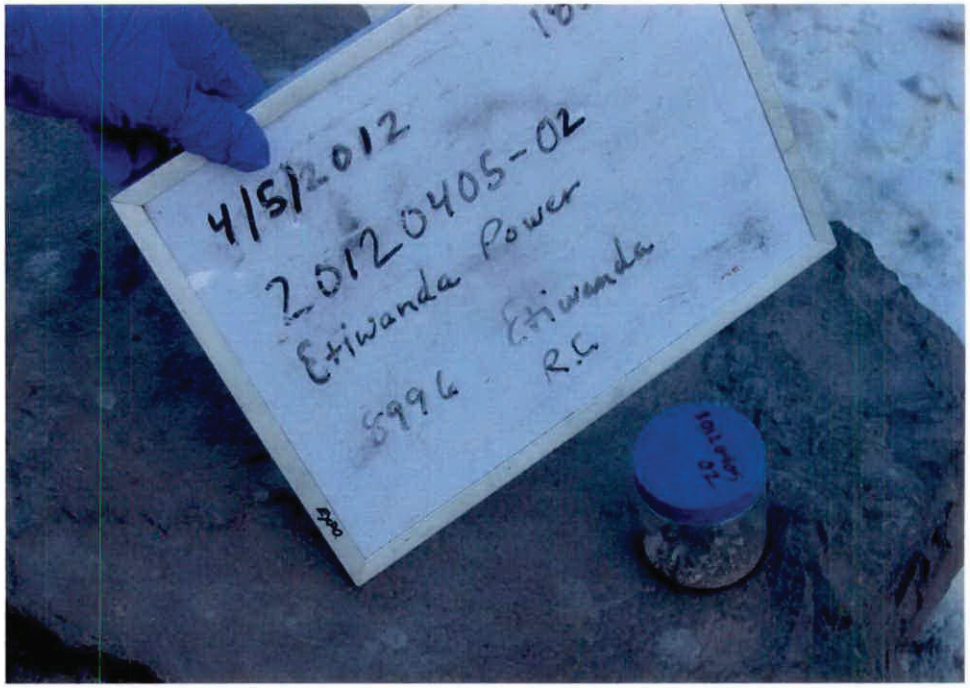






4/5/12









4/5/2012









4/5/2012









4/5/12







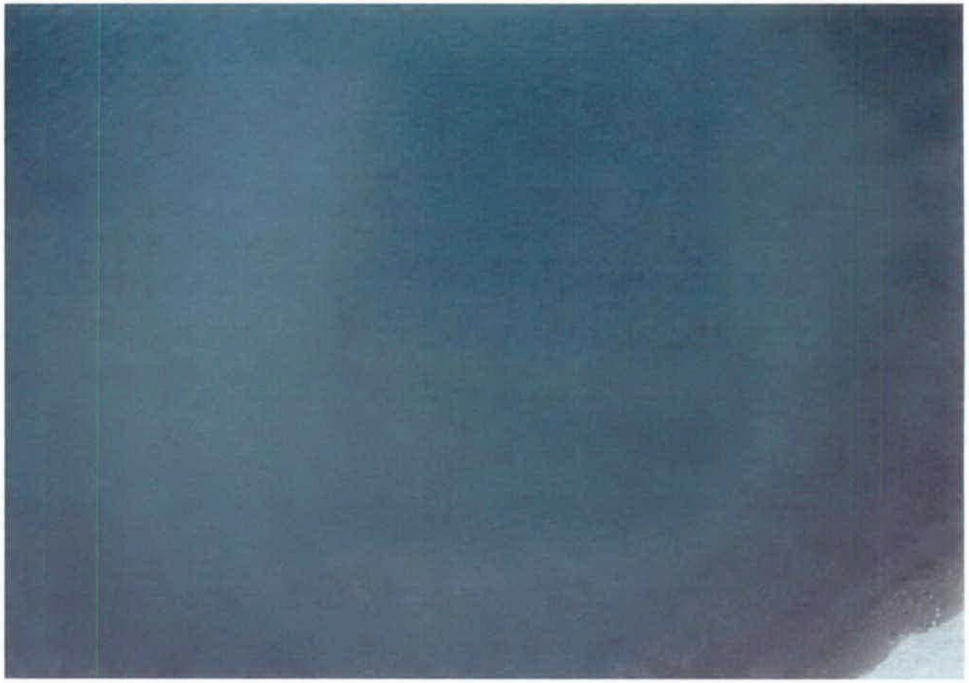


4/5/02









4/5/12

R. McMahon




Ameron 1205
20120406-01
Swale leaving Ameron


Ameron 1205
20120406-01
Swale leaving Ameron



4/6/12

1Stop ENVIRONMENTAL COMPLIANCE

WORLD TRADE CENTER
P. O. Box 32064
Long Beach, CA 90832-2064

(310) 344-0025
Fax (310) 548-4937
mike@1stopenviro.com

April 20, 2012

RECEIVED
APR 26 2012
S.B. CO. FIRE DEPT.

San Bernardino County Fire,
Hazardous Material Divisions
Attn: Brenda MacGregor
620 South "E" Street
San Bernardino, CA 92415-0153

SUBJECT: Agency Written Notification File #12-2072 Regarding "Cure Yard Water" threaten release from Stormwater Filter unit #1 at the NOV-Ameron Water Transmission Group Concrete and Steel Water Pipe Facility Located at 12455 Arrow Route, Etiwanda, California 91739

Personal On-Site April 6,7,9, & 10, of 2012

1Stop Environmental Compliance is assisting NOV-Ameron Water Transmission Group located at 12455 Arrow Route, Etiwanda, CA. 91739 with Environmental Compliance issues. On April 6, 2012 (Good Friday) at approximately 1:00 p.m., Regulatory Agencies from California Department of Fish and Game, Santa Ana Regional Water Control Board and San Bernardino Fire HazMat were on the scene at the Ameron Facility due to discovery of a white crystalline residue along the storm water channel on the GenOn Power Plant property which was traced back to the NOV Ameron stormwater system. California Department of Fish and Game (Michael Horn) was Lead Agency regarding remedial action activity along with two personnel from Santa Ana Regional Water Control Board for sampling water and soil for pH levels. Two personnel from 1 Stop Environmental Compliance were onsite, along with NOV Ameron Plant and Environmental Managers. Filter Recycling Services Emergency Response Project Manager and crew from Environmental Logistics were also onsite.

Remedial Activity: 4/6/2012 (Good Friday)

NOV Ameron immediate action was to stop the low flow of water from stormwater filter unit #1 and shut down water spraying activity in Cure Yard near unit #1. This activity was completed by Ameron Employees pumping water from sump and stormwater filter unit #1 by lowering water level. NOV Ameron contacted 1Stop Environmental Compliance for assistance with this Emergency Response Project. Filter Recycling Services was contacted for equipment and personnel for this project. 1Stop Environmental Compliance immediately requested a 4000-barrel Vacuum Truck and a 20,000-gallon portable storage tank. By 3:00 pm the equipment was onsite along with Filter Recycling Services 24 hour ER Response Project Manager to further assess additional resources per California Fish and Game, Lead Agency. Filter Recycling Service in house ER Group is called Environmental Logistics. Flow from stormwater filter unit #1 was stopped by 3:00 pm. and ER Personnel moved off-site to the GenOn Power Plant property to start clean up including testing soil and water for pH levels under direction of California Fish and Game Agency, Michael Horn. Water and soil pH levels ran between 7 and 11, and liquid from stormwater channel at GenOn Power Plant was vacuumed up under the direction of California Department of Fish and game.

Remedial action activity: 4/7/12 Saturday

All work Saturday, was confined to clean-up stormwater channel that had exited the stormwater filter unit #1 south, to fence line at BNSF Railroad. Work included Vacuum Truck pumping liquids and pressure washing concrete and asphalt stormwater channel just south of unit #1 along

the NOV/Gerdau property line. Liquids from the soil channel was also removed and a Vactor truck was used to remove soil from stormwater channel.

4/8/12 Easter Sunday) No Work

Remedial Activity 4/9/12, Monday

Major cleanup effort was concentrated at GenOn Power Plant involving on-site lab (Enviro-Chem Personnel), pressure washing, vacuum truck, Vactor truck, roll-off bins and hand work by removing pH soil down to agency agreed pH level of 8.5. Environmental Logistic also worked with BNSF Railroad to seek permission to clean-up water from storm drain under BNSF Railroad tracks. Approval was scheduled for 4/10/12, Tuesday at 9:00 am. Additional work at NOV Ameron site included checking pH Levels at stormwater filter units #2 and #3. All readings at these locations were pH7. Removal of the remaining water in stormwater filter unit #1 was completed. All work was under the direction of California Fish and Game Agency.

Remedial Activity 4/10/12, Tuesday

Remaining work was confined to all the properties affected by the threaten release. A Jetter truck was used to pressure wash all interior storm drain piping from unit #1 to soil channel at east boundary at Gerdau Steel.

A Vactor Truck removed some of the soil and filter media from unit #1 down to layers of filter cloth. Unit #1 was pressure washed and the filter media was covered with plastic sheeting.

An excavator was delivered to Ameron site to remove soil from storm-water channel at east property boundary at Gerdau Steel. The excavator could not complete soil removal due to possible depth in soil and need for "Dig Alert" notice.

After completing work at GenOn Power Plant and BNSF Railroad track the equipment was moved to NOV-Ameron site including lighting equipment around 6:00 pm to remove soil via Vactor Truck and handwork along east boundary at Gendau Steel. All work was completed late that evening under directions of California Fish and Game Agency.

Remedial activity involved four days of work, which created six roll-off bins of soil and one 15,000-gallon portable tank of water. The bins are currently located on-site at the NOV Ameron. The water was returned to the "cure yard" water recycling system.

Prepared By,

Mike Zimmer
Environmental Consultant

SAN BERNARDINO COUNTY FIRE DEPARTMENT

RECEIPT 73682

DIVISION HAZ MAT DATE 8/7/12

RECEIVED FROM NATIONAL OILWELL VARCO $ 2,534.50

TWO THOUSAND FIVE HUNDRED THIRTY FOUR 50/100 DOLLARS

ESTABLISHMENT / ACCOUNTS / CONTRACT #

DESCRIPTION	FUND-DEPT-ORG-REVENUE	GRC#	AMOUNT
EMERG. RESP.		~~PRSNCOST~~	
COMPLAINT #			
C0002922 9			
3.5 HOURS @ 95.00	FHZ107155 9775	VEHCOST	332.50
3.5 HOURS @ 201.00	FHZ107155 9775	PRSNCOST	703.50
3.5 HOURS @ 201.00	FHZ107155 9775	PRSNCOST	703.50
LAB ANALYSIS	FHZ107155 9775	LABCOST	795.00
GRAND TOTAL			$ 2534.50

PAYMENT TYPE CHECK , CHECK # 000041894

(SIGNATURE) [signature] TITLE OA II BOOK # 473

01-20802-670 Rev. 7/11

RECEIVED
JUL 23 2012
By

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COST RECOVERY PROGRAM
INCIDENT RESPONSE BILLING

INCIDENT#	CO0029229	LOCATION	8996 ETIWANDA RANCHO CUCAMONGA		
DATE	04/05/2012	TIME IN / TIME OUT		TYPE	DISCHARGE OF CEMENT MATERIALS INTO A WATERWAY
INITIAL RESPONDER (S)	MACGREGOR		BECKHAM		
NAME	AMERON ARROW PLANT		DOB		M
ADDRESS	12455 ARROW ROUT RANCHO CUCAMONGA, CA 91739		VEHICLE LICENSE		
SS#		DRIVER'S LICENSE		STATE	
HOME PHONE #		BUSINESS PHONE#	909-944-4100		

UNITS TIME:	HOURS	RATE	TOTAL
ER 7015	3.5	$95.00	$ 332.50
	0.0	$95.00	$ 0.00
	UNITS TOTAL TIME:		$ 332.50

PERSONNEL TIME:	HOURS	RATE	TOTAL
HAZ MAT 528	3.5	$201.00	$ 703.50
HAZ MAT 523	3.5	$201.00	$ 703.50
	0.00	$201.00	$ 0.00
	PERSONNEL TOTAL TIME:		$1,407.00

OTHER FEES:	AMOUNT	RATE	TOTAL
LAB ANALYSIS	1	$795.00	$ 795.00
	OTHER FEES AMOUNT		$ 795.00

UNITS TOTAL:	$ 332.50
PERSONNEL TOTAL TIME:	$ 1,407.00
LAB TOTAL:	$ 795.00
OTHER FEES:	$ 0.00
TOTAL AMOUNT DUE:	$2,534.50

FEDERAL IDENTIFICATION NUMBER #95-6002748

CLOSED ☐

5269.2012.0001

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

MARK A. HARTWIG
Fire Chief

July 5, 2012

AMERON ARROW PLANT
12455ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

RE: COST RECOVERY

On 04/05/2012 the San Bernardino County Fire Department Hazardous Materials Emergency Response team expended **$2,534.50** responding to **discharge of cement materials into a waterway at 8996 Etiwanda Ave Rancho Cucamonga, CA.** Our Incident Response Billing for **Incident #CO0029229** is attached.

San Bernardino County Ordinance No.FPD-11-01, Attachment A, Section F, and California Health and Safety Code Section 13009.6(a) (1) provides for the recovery of emergency response costs.

Demand is hereby made for **$2,534.50.** Payment must be received within 30 days from the dates of this letter.

This invoice reflects only those costs associated with this emergency response. Payment of these costs does not relieve you of responsibility for payment of any additional costs incurred by this Department associated with further investigation and pursuit of penalties associated with any violations occurring at this site. This Department reserves the right to initiate legal proceedings to recover all costs associated with this emergency response, including investigative costs and any penalties provided by law.

Make check payable to the San **Bernardino County Fire Department, for $2,534.50**, referencing **Incident #CO0029229** and remit to:

SAN BERNARDINO COUNTY FIRE DEPARTMENT
ATTN: CARLEEN WILEY
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

If you have any questions, please contact Carleen Wiley at (909) 386-8430.

Sincerely,

Curtis Brundage
Hazardous Materials Specialist IV
San Bernardino County Fire Department
Office of the Fire Marshal
Hazardous Materials Division
Emergency Response and Investigations

CB: cw

GREGORY C. DEVEREAUX
Chief Executive Officer

Board of Supervisors
BRAD MITZELFELT.....First District
JANICE RUTHERFORD.....Second District
JOSIE GONZALES.....Fifth District
NEIL DERRY .....Third District
GARY C. OVITT.....Fourth District

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COST RECOVERY PROGRAM
INCIDENT RESPONSE BILLING

INCIDENT#	CO0029229	**LOCATION**	8996 ETIWANDA RANCHO CUCAMONGA		
DATE	04/05/2012	**TIME IN** / **TIME OUT**		**TYPE**	DISCHARGE OF CEMENT MATERIALS INTO A WATERWAY
INITIAL RESPONDER (S)	MACGREGOR		BECKHAM		
NAME	AMERON ARROW PLANT		**DOB**		**M**
ADDRESS	12455 ARROW ROUT RANCHO CUCAMONGA, CA 91739		**VEHICLE LICENSE**		
SS#		**DRIVER'S LICENSE**		**STATE**	
HOME PHONE #		**BUSINESS PHONE#**	909-944-4100		

UNITS TIME:	**HOURS**	**RATE**	**TOTAL**
ER 7015	3.5	$95.00	**$ 332.50**
	0.0	$95.00	**$ 0.00**
	UNITS TOTAL TIME:		**$ 332.50**

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HAZ MAT 528	3.5	$201.00	**$ 703.50**
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	0.00	$201.00	**$ 0.00**
	PERSONNEL TOTAL TIME:		**$1,407.00**

OTHER FEES:	**AMOUNT**	**RATE**	**TOTAL**
LAB ANALYSIS	1	$795.00	**$ 795.00**
	OTHER FEES AMOUNT:		**$ 795.00**

UNITS TOTAL:	**$ 332.50**
PERSONNEL TOTAL TIME:	**$ 1,407.00**
LAB TOTAL:	**$ 795.00**
OTHER FEES:	**$ 0.00**
TOTAL AMOUNT DUE:	**$2,534.50**

CLOSED ☐

FEDERAL IDENTIFICATION NUMBER #95-6002748

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 •www.sbcfire.org

HAZMAT EMERGENCY RESPONSE REPORT

INCIDENT TYPE/ DESCRIPTION:		INCIDENT DATE:
Release of unknown substance to the Genon (Etiwanda Power plant) Property.		April 5th, 2012
SITE LOCATION (ADDRESS, GPS, APN):		CITY:
8996 Etiwanda Ave.		Rancho Cucamonga
☐VIOLATIONS ☐HAZMAT REMOVAL	RESPONDING AGENCIES:	RESPONSIBLE PARTY (NAME, COMPANY):
	Dept. of Fish and Game & SARWQCB	Ameron Arrow Plant 12455 Arrow Route, Ranch Cucamonga 91739

Incident Summary:

Investigation of a liquid substance flowing onto the Genon property from upstream, which left a white crystalline residue.

Preliminary test results showed a pH above 12. We were unable to make an exact determination as to where the discharge was being generated. Liquid and soil samples were taken on the Geneon property and upstream. We contacted the Santa Ana Regional Water Quality Control Board (SARWQCB) and the California Department of Fish and Game who were going to meet us the next morning. April 6th, 2012 I took additional samples and sent them and the previous days sample to our certified lab. Based on the preliminary findings Fish and Game, and SARWQCB took jurisdiction over the spill cleanup and remediation. Original discharge was determined to be coming from the Ameron Arrow Concrete plant.

Corrective Actions/ Compliance Requirements:

Follow all corrective action given by California Fish and Game and the Santa Ana Regional Water Quality Control Board.

REPORTED BY:	Brenda MacGregor	RECEIVED BY:	
	Print Name		Print Name
	Brenda MacGregor		
	Sign Name		Sign Name
	Hazardous Materials Specialist		
	Title		Title

Lindsey Dandridge-Perry

From: HazMat Records Search <hazmatrecords@sbcfire.org>
Sent: Thursday, September 14, 2023 3:08 PM
To: Lindsey Dandridge-Perry
Subject: Certified Records Search Request - 23091104 - 8996 Etiwanda Ave, Rancho Cucamonga, CA - Certified Records Found Letter
Attachments: 23091104 Rancho Cucamonga RAL Kleinfelder.pdf; CERS Submission - FA0019955 SCE Seperator BESS.pdf

External Email

Good aŰernoon,

There were records found for your request. Your certified records found le er has been a ached **along with the most recent CERS submission for the active permit facility.**

If you would like to review the file(s), please email hazmatrecords@sbcfire.org to request and schedule a file review appointment.

Thank you,

Christina Rivera
Office Specialist
Office of the Fire Marshal - Hazardous Materials Section
San Bernardino County Fire Protection District
(909) 386-8401

Serrano, Lizbeth

Subject:	Kristina Toan with Kleinfelder (23091102, 23091103, 23091104)
Location:	Rancho Cucamonga, 12455 Arrow Rte - 4 files, 4 1/2" thick, Rancho Cucamonga, 8996 Etiwanda Ave - 14 files, 14" thick, Rancho Cucamonga, 12353, 12451, 12343, 12459 Arrow Rte - 41 files, 60" thick
Start:	Thu 9/28/2023 8:00 AM
End:	Thu 9/28/2023 4:30 PM
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	HazMat Records Search
Required Attendees:	ktoan@kleinfelder.com

Please let the office know if it is someone else who is to review the file.

Our restroom is closed to the public, sorry for the inconvenience.

Our address is:

620 South "E" Street
San Bernardino, CA 92415

We are located in the Arby's parking lot, building to the far right.

Thank you

RRI Energy Etiwanda, Inc.
Etiwanda Generating Station
Facility ID FA0002943

Program 1 Risk Management Plan
For Compliance Year 2009

Submitted to:
RRI Energy Etiwanda, Inc.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

SAGE
ENVIRONMENTAL CONSULTING

Prepared by:
Sage Environmental Consulting, L.P
506 W. Vista Way
Vista, CA 92083

August, 2009

RECEIVED
AUG 07 2009
S.B. CO. FIRE DEPT.

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RISK MANAGEMENT PLAN

DOCUMENT MANAGEMENT - RECORD OF REVISIONS

Revision No.	Revision Date	Description of Revision	Replaced Pages
001	8/7/2009	5-year update	All

RISK MANAGEMENT PLAN
DOCUMENT MANAGEMENT - UPDATE NOTICE

To all holders of RRI Energy Etiwanda Risk Management Plan: Revision No. 001

Date:

Attached are revised pages of the Risk Management Plan which has been assigned to you. Please remove pages in your book and replace with these revisions.

Pages to Remove	Replace with Revised Pages

SECTION 1
EXECUTIVE SUMMARY

Pursuant to the requirements of Title 40 Code of Federal Regulations Part 68.1 through 68.220 and Chapter 6.95, Article 2 of the California Health & Safety Code §25531 through §25543.3, this Risk Management Plan (RMP) is implemented as the California Accidental Release Prevention (CalARP) Program.

The scope of this RMP is based on the guidance of the Certified Unified Program Agency (CUPA), the San Bernardino County Fire Protection District (SBCFPD), to ensure that all contemporary issues are resolved and to incorporate state requirements. With input from the CUPA, the selective catalytic reduction (SCR) ammonia storage and handling system has been identified as the only process at the facility which triggers the CalARP / RMP requirements. This process was determined to be covered by Prevention Program 1 requirements (state-only applicability).

On March 31, 2004, the latest amendment to the Chemical Accident Prevention Rule (Risk Management Program) under the Clean Air Act Section 112 (r) (7) was signed. The amendment:

- Required a correction to reportable information on chemical accidents be added to the RMP within six (6) months of the date of the accident;
- Requires that changes to emergency contact information be corrected within one (1) month;
- Removes the requirement to include a brief description of the Off-site Consequence Analysis (OCA) in the RMP executive summary; and
- Adds three (3) RMP data elements.

In March, 2009 EPA released RMP*eSUBMIT software. Because the Etiwanda Generating Station does not keep federally regulated substances onsite in quantities above the federal threshold quantities, no federal submittal is required.

1.1 Accidental Release Prevention and Emergency Response Policies

It is the policy of RRI Energy (RRI) that its employees, environment, property, and the general public be protected from any harm that may occur as a result of its operations. To achieve this end, RRI strives to operate its facilities in compliance with applicable federal, state, and local safety, health, and environmental regulations.

RRI Energy implements its emergency response policies to comply with the overall corporate policy of providing its workers with a safe workplace and of minimizing risk to the public. The safety of emergency and non-affected personnel is the highest priority; therefore, all procedures must be implemented in the appropriate manner (e.g., safely executed rescue and medical activities). Protection of the environment is also a high priority. Once the issues of life, safety, and the environment are addressed, the secondary issues of property conservation and business recovery may be considered.

1.2 Facility Description

The Etiwanda Generating Station (Facility ID FA0002943) is located at 8996 Etiwanda Avenue in Rancho Cucamonga, California, about 2.5 miles northeast of the junction Interstates 10 and 15, and approximately 50 miles east of Los Angeles, California (34° 5' 29" north, 117° 31' 40" west). The elevation of the facility is approximately 1,200 feet above sea level. The station is located in a heavy industrial zone near the site of the former Kaiser Steel mill, now the California Speedway. The main area covers approximately 80 acres and is bounded by railroad tracks to the north, Etiwanda Avenue to the east, and by 6th Street to the south. A vicinity and location map is contained in Appendix A.

The Etiwanda Generating Station combusts pipeline grade natural gas to generate electricity. The plant comprises five generating units consisting of four (4) conventional steam turbine units and one (1) gas turbine peaking unit.

- Steam Units 1 and 2 are identical and began operating in 1953 and are nominally rated at 132 MW each. For economic and regulatory reasons, Units 1 and 2 were decommissioned in 2003 and are no longer operational.

- Steam Units 3 and 4 are also identical and began operating in 1963 and are nominally rated at 320 MW each. Both boilers utilize off-stoichiometric combustion (low excess air) to initially reduce nitrogen oxides (NO_x) formation. Units 3 and 4 are further controlled to South Coast Air Quality Management District (SCAQMD) Rule 2009 NO_x compliance levels with flue gas recirculation (FGR) and Selective Catalytic Reduction (SCR) as Best Available Control Technology (BACT). Units 3 and 4 are classified as major NO_x sources by the SCAQMD.

- Unit 5, nominally rated at 126 MW, was built in 1969 and became operational in 1970. Unit 5 consists of eight (8) Pratt & Whitney aero derivative gas generators, four (4) Worthington expander turbines, and generator. For economic and regulatory reasons, Unit 5 was decommissioned in 2003 and is no longer operational.

The regulated substance used at the facility above California's Threshold Quantity (TQ) is aqueous ammonia (ammonium hydroxide, 19% by weight). The ammonia is used in the SCR system for control of NO_x emissions from the main boilers of Units 3 and 4. All other regulated substances onsite are in quantities below applicable thresholds. No regulated substances are present at the Etiwanda Generating Station in quantities that exceed federal TQs.

1.2.1 Selective Catalytic Reduction

Aqueous ammonia (CAS 1336-21-6), 19% concentration by weight, with a vapor pressure of 3.8 psig at 60°F, is used in the SCR system to control NO_x emissions from two - 2,900 MMBTU/hr steam boilers (Units 3 and 4) as Best Available Control Technology (BACT). The SCR system reduces NO_x emissions by injecting ammonia into the boiler exhaust gas stream upstream of a catalyst matrix. Ammonia, NO_x, and oxygen react on the surface of the catalyst to form harmless nitrogen and water. The low temperature catalyst is comprised of vanadium pentoxide (V_2O_5) on a ceramic substrate and operates within a normal temperature range of 600°F to 750°F. A process flow diagram is contained in Appendix B.

1.2.2 Boiler Water Treatment

The Etiwanda Generating Station uses dilute hydrazine (N_2H_4) to remove oxygen from boiler water. Hydrazine is regulated under federal RMP and California Cal ARP regulations. The federal TQ is 15,000 pounds and the California TQ is 1,000 pounds.

The Etiwanda Generating Station receives 35 percent by weight hydrazine solution in 180 gallon totes. A tote contains approximately 530 pounds of hydrazine. The Etiwanda Generating Station has a maximum of one full and one half full tote onsite. The Etiwanda Generating Station personnel order a new tote when one of the totes is completely empty and the in-use tote is less than half full. The maximum hydrazine onsite is approximately 800 pounds. This is below both federal and California TQs. Under no circumstances will the Etiwanda Generating Station personnel allow the hydrazine onsite to reach or exceed 1,000 pounds.

1.2.3 Regulated Substances

Aqueous ammonia is a toxic substance above the CalARP threshold (19 CCR §2770.5, Table 3). No regulated flammable substances are present at the facility in excess of the threshold quantities under the regulation. All quantities of other materials are also below applicable thresholds.

- Aqueous ammonia, 19% by weight, 20,000 gallons (max), 30,000 pounds (max) as NH_3

Table 1-1 shows capacities for determination of CalARP applicability for Risk Management Planning (RMP). As shown below, the aqueous ammonia quantity onsite exceeds CalARP thresholds. Appendix C contains MSDS documents for aqueous ammonia. For the mass determination, a specific gravity of 0.9302 was used to calculate a density of 7.76 pounds per gallon for the 19% ammonium hydroxide (NH_4OH) solution.

Table 1-1 RMP/CalARP Substance Criteria for Applicable Materials and Quantities

Listed Substance	CAS No.	RMP / CalARP Threshold	Maximum Quantity
Aqueous Ammonia	1336-21-6	500 lbs. State	30,000 lbs.
(less than 20%)	(7664-41-7)		(as ammonia)
Vanadium Pentoxide	1314-62-1	10,000 lbs. State only	(Article Exemption)

Vanadium pentoxide (trade name VNX) is the active SCR catalyst material. VNX is a solid deposited on a ceramic honeycomb material (less than 5% in matrix), the design of which promotes interaction with the exhaust gas stream within the SCR. As such, VNX remains within the SCR and is not released to the atmosphere. This substance, therefore, meets the definition of an article (§2735.3) and is therefore exempted from the requirements of the CalARP program as per §2770.2(b)(3). VNX is not federally listed under 40 CFR 68 Appendix A.

1.3 Summary of Accidental Release Prevention Program

The Etiwanda Generating Station maintains quantities of aqueous ammonia used by the SCR NO_x reduction system in quantities that exceed the RMP threshold quantity. Therefore, RRI Energy is subject to the CalARP / RMP requirements. The facility is coded under:

- North American Industrial Classification System (NAICS) as 221112
- Standard Industrial Classification (SIC) 4911

In accordance with the CalARP regulations and with the guidance of the SBCFD as CUPA, it has been determined that the SCR system falls under the CalARP Prevention Program 1 requirement. The SCR process contains onsite an amount of aqueous ammonia that exceeds the TQ for the CalARP threshold.

Compliance with the CalARP comprehensive program validates the integrity of the processes which handle flammable or toxic materials. The objective of the regulation is to prevent accidental releases of hazardous chemicals. To control these types of hazards, RRI has developed the necessary expertise, experience, judgment and proactive initiative within their workforce to properly implement and maintain an effective prevention program. Through compliance with the regulations, standards, and with CUPA guidance, the RRI facility has implemented the requirements of the Prevention Program 1 pursuant to the qualifications of Title 19 CCR §2735(d):

1) No accidental releases of a regulated substance in the past five (5) years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage.

2) The toxic or flammable endpoint distance for the worst-case release scenario is less than the distance to any public receptor as defined in Title 19 CCR §2735.3 and §2750.5.

3) Emergency response procedures have been coordinated between the source and local emergency response and planning organizations, e.g., fire department, environmental health.

1.3.1 Prevention Program 1 Elements

An effective program requires a systematic approach to evaluating the whole chemical process. Using this approach the following components were considered in the evaluation in accordance with Title 40 CFR 68.48 through 68.60 (Subpart C) and Title 19 CCR §2745.6. Program 1 includes four (4) elements:

Program 1 Elements (40 CFR 68.12 & 68.15)

- 5-Year Accident History
- Hazard Assessment (Offsite Consequence Analysis)
- Emergency Response Program
- Management System

1.3.2 Process Safety Information

In addition to implementation of the CalARP Prevention Program 1 elements, RRI has implemented specific safety features for the prevention, detection and control of releases of regulated (and other) substances at the RRI facility. The following are some of the control and detection equipment located in and around the facility to minimize the risk of an accident involving hazardous materials:

- Secondary tank containment (36,500 gallons)
- Pressure relief and safety valves
- High level alarms and shutoffs
- Ammonia gas detector/monitoring system
- Emergency shutdown devices (ESD)
- Fail-safe and interlock process controls (automatic)
- Emergency control stations (control room)

The various lines of defense that have been incorporated into the design and operation of the process to prevent or mitigate the release of hazardous chemicals have been evaluated and strengthened to assure their effectiveness at each level.

1.3.3 Seismic Walkdown

The Etiwanda Generating Station is located in Seismic Zone 4 near two of California's most active faults, the San Andreas and San Jacinto Faults. Both of these faults have the potential to generate a significant earthquake (Richter scale magnitude 6.9 to 7.3) in the near future. The nearby Cucamonga Fault also has the potential to generate a significant earthquake. Much of the region is underlain with a series of unmapped blind thrust faults that have no surface trace and can generate moderate (magnitude 6.8 or less) earthquakes.

Per CUPA requirements, a seismic walkdown has been performed on the aqueous ammonia system. Since the system is of recent design and construction (2001), the most current seismic standards are incorporated. Results are contained in Appendix D.

1.3.4 General Duty Clause

All facilities are subject to the federal General Duty Clause of the Clean Air Act Section 112(r)(1), which requires facilities to:

- Identify the hazards posed by the chemicals and assess the impacts of possible releases.
- Follow applicable building codes, design standards, and appropriate management practices to ensure the facility is properly constructed and maintained, and that the chemical is managed safely to prevent releases.
- Have a contingency planning process which would involve, if necessary, community responders to aid in an adequate response in the event of a release, and to minimize the consequences of accidental releases which do occur.

The information presented in this document demonstrates compliance with the General Duty Clause.

1.4 Five-Year Accident History

The SCR system was installed in 2001. There are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

There have been no accidental releases from the aqueous ammonia storage and handling system at the Etiwanda Generating Station in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage (Statute: 40 CFR 68.42).

1.5 Offsite Consequence Analysis Summary

Per April 9, 2004 amendments to the Chemical Accident Prevention rule (69 FR 18819), description of OCA is no longer required in the executive summary.

1.6 Emergency Response Program Summary

RRI has developed written emergency response procedures to address all elements that may be encountered during planning, response or follow-up of an emergency at the facility. Application of the emergency response procedures ensures compliance with CalOSHA Title 8 §3220 (Emergency Response Plan) and OSHA Standard 29 CFR 1910.38 (Emergency Response Plans or ERP). The basic concept of RRI's emergency procedures is to provide a comprehensive approach for managing emergencies. The four elements of this approach are prevention, preparedness, response, and recovery.

RRI's emergency procedures serve as a guide for emergency control staff, company personnel, emergency assistance groups and law enforcement agencies that may be called upon to participate in controlling an emergency within the facility and surrounding areas. These procedures include employee notification of emergencies and evacuation procedures for all emergency situations.

Pursuant to CUPA requirements (per 40 CFR 68.12 and 19 CCR §2745.8) emergency response procedures are in place in the event of a release of a regulated substance (aqueous ammonia). Emergency response training is conducted annually. The most recent emergency response training was conducted in 2008.

Actions to be taken by trained employees during the course of a release event include:

- Discovery, activation of alarms and interpretation of signals
- Safe area evacuation, assembly, and return (including visitors)
- Notification of public agencies including the San Bernardino County Fire Protection District (SBCFPD), and the California Office of Emergency Services as necessary
- Determination of response strategy, delegation of authority, and incident command
- Use of response equipment and other release mitigation activities
- Post-release equipment and personnel cleanup and decontamination

Additional information contained in the ERP includes:

- A list of resources for emergency health care
- Information regarding the training of employees
- Requirements for offsite response assistance if necessary, including fire-fighting, hazardous materials response, security, and notification of the public

- Listing of the name, location, and emergency phone number of each identified institutional vulnerable population (schools, daycare, hospitals) within 1 mile of the facility

1.7 Management System Summary

Pursuant to Title 19 CCR §2735.6, a program management system has been established to oversee the implementation of the RMP elements. Management system components for this facility include:

- Identification of the qualified person/position with responsibility for coordinating the RMP
- Organizational chart showing the positions with tasks involving the aqueous ammonia storage and handling system
- Roles and responsibilities of positions at the facility

SECTION 2
FIVE-YEAR ACCIDENT HISTORY

The SCR system was installed in 2001. There are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

There have been no accidental releases from the aqueous ammonia storage and handling system at Etiwanda Generating Station in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage (Statute: 40 CFR 68.42).

2.1 Recordkeeping and Reporting

All accidents and incidents which results in death, injury, or tangible physical effects to the facility, surrounding vicinity, or environment must be recorded and reported to the appropriate administering agencies.

- Incidents which result only in revenue loss due to plant shutdown are not reportable
- Records shall be maintained for a minimum period of five (5) years from the date of the incident
- Detailed recordkeeping and reporting procedures are contained in the 40 CFR 68 Guidance Document (EPA 550-B-98-003)

SECTION 3
OFFSITE CONSEQUENCE ANALYSIS

The Offsite Consequence Analysis (OCA) is the primary component of the Hazard Assessment element of the RMP / CalARP program. For Prevention Program 1 facilities, the OCA consists of analysis for the worst-case release scenario of applicable processes from the stationary source. By definition, the worst-case release scenario results in the greatest distance from the point of release to a specified toxic endpoint. The worst-case analysis shows the greatest possible consequence of a release.

The ammonia supply system consists of two (2) aboveground 10,000 gallon tanks equipped with pressure relief valves, level indicators, temperature and pressure gauges, transfer pumps, high-level alarms, and associated valves and fittings. The secondary containment capacity is 36,500 gallons, or 180% of maximum tank capacity. Operational tank capacity is limited to 85% or 8,500 gallons each tank. The piping consists of both 1-inch and 2-inch lines with a branch to the boiler water treatment system. For the mass determination, a specific gravity of 0.9302 as used to calculate a density of 7.76 pounds per gallon for the 19% ammonium hydroxide (NH_4OH) solution.

The aqueous ammonia is pumped to a vaporizer on each unit, mixed with air, and injected into the boiler exhaust upstream of the SCR. Aqueous ammonia is also used in the boiler water treatment system. The tanks are owned by RRI and the ammonia is supplied by a qualified vendor. The tanks are certified for conformance with the American Society of Mechanical Engineers (ASME) code for low pressure vessels.

3.1 Worst-Case Release Scenario for Toxics

The worst-case release scenario for toxic substances, as defined in the regulation, is a release of toxic materials resulting in a vapor cloud of the maximum inventory of the largest quantity of a regulated substance from a vessel or process line failure that results in the greatest distance to a specified endpoint. The distance to the endpoint is the distance a toxic vapor cloud that will travel before dissipating to a concentration less than that of the toxic endpoint.

The contents of the single largest vessel or pipeline is assumed to be released instantaneously. By instantaneously, the regulation specifies a time period of ten minutes. The worst-case release scenario modeled for the facility is a sudden release of the entire volume of aqueous ammonia stored in the largest tank.

The OCA assumes a worst-case catastrophic (instantaneous) release of the entire contents of the largest tank. The two largest aqueous ammonia tanks are each 10,000 gallons and are located within the secondary containment area. Administrative controls limit operating inventory of each tank to 85% of maximum or 8,500 gallons. The OCA assumes all the contents of both tanks are released within the 1,395 square foot secondary containment area in ten minutes. The ammonia release rate is 29.3 pounds per minute. The secondary containment area has the capacity to hold 36,500 gallons, more than both 10,000 gallon aqueous ammonia storage tanks and their associated piping components.

3.1.1 Release Scenario and Release Parameters

Table 3-1 shows the worst-case scenario parameters.

Table 3-1. Worst-Case Release Scenario and Parameters

Release Parameter	Value
Regulated Substance Name	Aqueous ammonia, 19% [1]
Physical State	Liquid solution at ambient temp.
CAS No.	1336-21-6 (7664-41-7)
Scenario	Worst case
Quantity Released	160,000 pounds of solution
Liquid Temperature	66 degrees F (average annual)
Release Duration	Instantaneous (10 minutes)
Ammonia Release Rate	29.3 pounds/minute
Mitigation Measures	Secondary containment (1395 sq. ft.)
Topography	Urban (per SCAQMD guidance)
Toxic endpoint	0.14 mg/L; basis: ERPG-2
Estimated Distance to Toxic endpoint	0.1 miles (0.2 kilometers)
Public Receptors Impacted	None
Wind Speed (assumed default)	1.5 meters/second (3.4 miles/hour)
Stability Class (assumed default)	Class F
Air Temperature (assumed default)	77 degrees F (25 degrees C)

[1]RMP*Comp uses 20%, the lowest concentration that is federally regulated.

3.1.2 OCA Methodology

The OCA was performed with the RMP*Comp version 1.07 consequence analysis program. The locations of the ammonia storage tanks are mapped with respect to nearby public receptors. The nearest public receptor (industrial area) is approximately 0.15 miles southwest of the facility. The site location and site plan are shown in Appendix A.

3.1.3 Meteorological Data

For worst-case analyses, RMP*Comp assumes wind speed of 1.5 meters/seconds (3.4 miles/hour), stability class F, and air temperature of 77 °F (25 °C).

3.1.4 OCA Results

The maximum inventory from both tanks, not including administrative controls, is used for the worst-case analysis. Although the ammonia storage tanks and piping are protected by high level alarms/shutdowns, pressure relief valves, periodic inspections, and routine monitoring by operating personnel, it must be assumed that the maximum accidental release takes place. Based on this worst-case assumption, the consequences of an accidental release depend on the conditions of the release and the conditions at the site at the time of the release. In an actual accidental release the conditions may be different than the assumed worst-case release scenario.

The worst-case release scenario identified no off-site impacts. The impact area is entirely within the facility fenceline and does not include public receptors. For a hypothetical worst-case release vapor cloud, the estimated toxic endpoint distance is approximately 0.1 miles.

Complete results of RMP*Comp version 1.07 consequence analysis are contained in Appendix E. The 0.1 mile endpoint radius is shown in Appendix A.

3.2 Offsite Impacts to Public Receptors

The Etiwanda Generating Station is located at 8996 Etiwanda Avenue in Rancho Cucamonga, California, about 2.5 miles northeast of the junction Interstates 10 and 15, and approximately 50 miles east of Los Angeles, California (34° 5' 29" north, 117° 31' 40" west). The elevation of the facility is approximately 1,200 feet above sea level. The station is located in a heavy industrial zone near the site of the former Kaiser Steel Mill, now the California Speedway. The main area covers approximately 64 acres and is bounded by railroad tracks to the north and Etiwanda Avenue to the east.

As required for Prevention Program 1, there are no defined public receptors (residential, institutional, recreational, commercial or industrial) impacted by the facility. The nearest industrial business is 550 feet to the north and the next nearest is 760 feet to the southwest. Etiwanda Avenue is contiguous with the eastern property line of the facility. Since the ammonia tanks are located near the center of the facility, Etiwanda Avenue is beyond the 0.1 mile toxic endpoint radius. Two institutions are located approximately 0.5 mile south of the facility, the West Valley Detention Center (capacity 3200 inmates) and the West Valley Detention Center Juvenile Hall (capacity 350 inmates), and are well beyond the 0.1 mile endpoint. Interstate 15 is more than one (1) mile west of the facility and would not be impacted by a release. A 1-mile radius map is presented in Appendix A.

SECTION 4
EMERGENCY RESPONSE PROGRAM

The Emergency Response Plan (ERP) is implemented to comply with the overall RRI policy of providing its workers with a safe workplace and minimizing risk to the public. The safety of emergency and non-affected personnel is the highest priority. Therefore, all procedures must be implemented in the appropriate manner (e.g., safely executed rescue and medical activities). Protection of the environment is also a high priority. Once the issues of life, safety, and the environment are addressed, the secondary issues of property conservation and business recovery may be considered.

Pursuant to CUPA requirements (per 40 CFR 68.12 and 19 CCR §2745.8) emergency response procedures are in place in the event of a release of a regulated substance (aqueous ammonia). Emergency response training is conducted annually. The most recent emergency response training was conducted in 2008.

Actions to be taken by trained employees during the course of a release event include:

- Discovery, activation of alarms and interpretation of signals
- Safe area evacuation, assembly, and return (including visitors)
- Procedures to notify public agencies including the San Bernardino County Fire Protection District (SBCFPD), the California Emergency Management Agency (CalEMA) and the National Response Center as necessary
- Determination of response strategy, delegation of authority, and incident command
- Use of response equipment and other release mitigation activities
- Post-release equipment and personnel cleanup and decontamination

Additional information contained in the ERP includes:

- A list of resources for emergency health care
- Information regarding the training of employees
- Requirements for offsite response assistance if necessary, including fire-fighting, hazardous materials response, security, and notification of the public
- Listing of the name, location, and emergency phone number of each identified institutional vulnerable population (schools, daycare, hospitals) within 1 mile of the facility

This plan has been coordinated with the San Bernardino County Fire Protection District (SBCFPD), (909) 386-8401. A copy of the plan is provided in Appendix F.

SECTION 5
MANAGEMENT SYSTEM

A general organization chart showing the Risk Management Program with lines of authority is presented in Figure 5-1. The management system oversees the implementation of the RMP elements in order to manage the risk of a chemical release at this facility.

5.1 RMP Management Tasks

Pursuant to CFR 68.15 and 19 CCR §2735.6, a program management system has been established to oversee the implementation of the RMP elements. Management system components for this facility include:

- Identification of the qualified person/position with responsibility for coordinating the RMP;
- Organizational chart showing the positions with tasks involving the aqueous ammonia storage and handling system; and
- Roles and responsibilities of positions at the facility.

5.2 RMP Coordinator

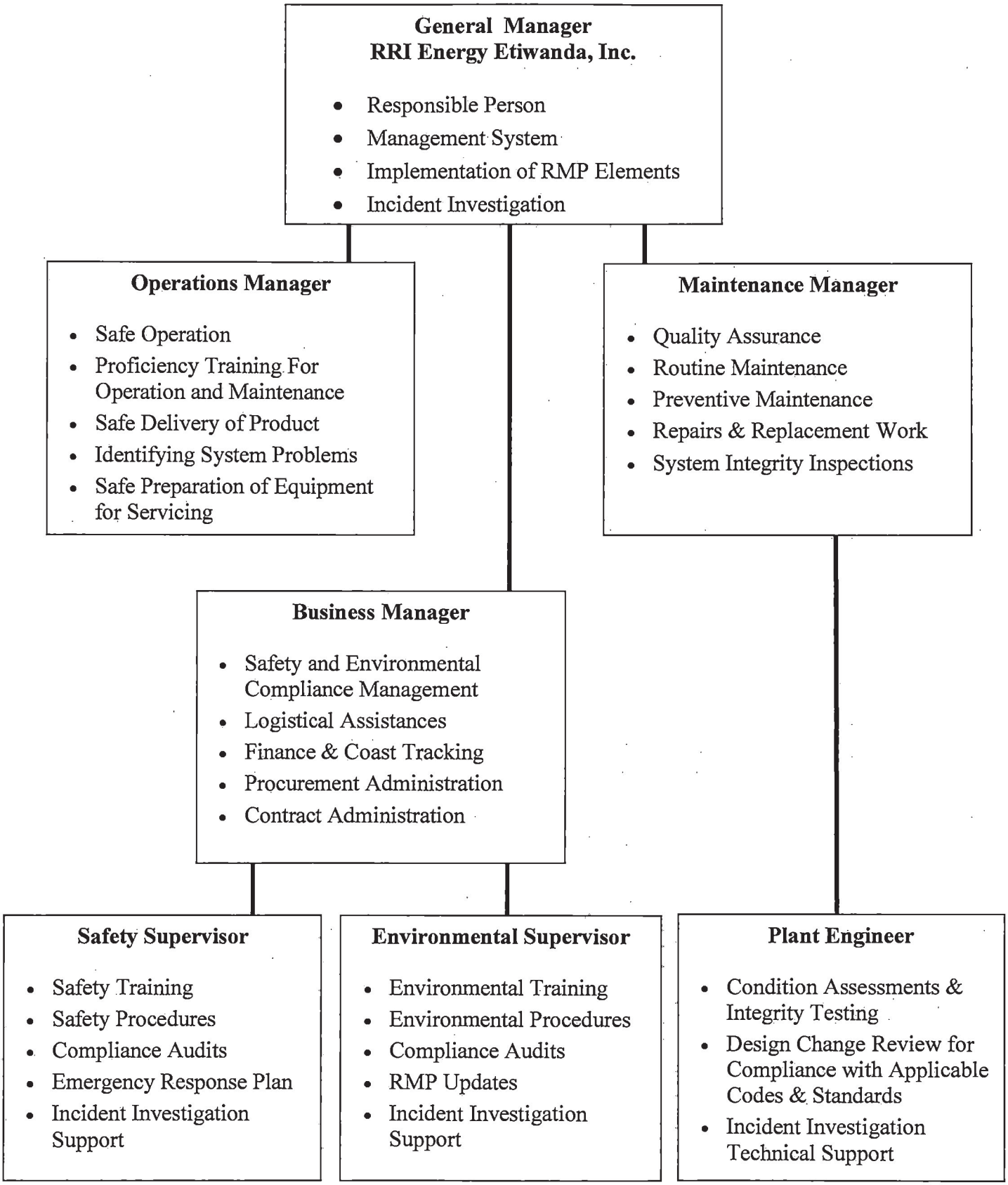
The General Manager is the RMP Coordinator and has responsibility for the development, implementation and integration of the Prevention Program 1 elements. The RMP Coordinator duties specifically include:

- Assigning RMP roles and responsibilities to operating staff;
- Ensuring that operating staff roles and responsibilities do not overlap or conflict;
- Ensuring that process changes are communicated to operating staff with a need to know;
- Promoting operating staff teamwork;
- Developing an ongoing methodology for identifying hazards and managing risk; and
- Documenting the RMP management system.

5.3 Organizational Chart

Figure 5-1 is an organizational chart is provided which outlines the titles and duties of those individuals responsible for aspects of the aqueous ammonia storage and handling system.

Figure 5-1
Risk Management Organization Chart



5.4 Staff Positions

The roles and responsibilities for each position listed on the organizational chart pertaining to the aqueous ammonia storage and handling system, and those with duties relating to the review and maintenance of the RMP are described below. Appendix G presents the roles and responsibilities of RRI staff.

General Manager (Owner's Representative): The RRI Energy General Manager for the Etiwanda Generating Station is responsible for the development, implementation and integration of the risk management program elements. Is also responsible for the overall management of the facility and works in concert with the Operations, Maintenance and Business Managers to ensure that the facility is operated and maintained properly.

Operations Manager: Is responsible for the following; safe operations of the aqueous ammonia storage and handling systems, for identifying problems, the proper preparation of the systems for servicing and overseeing the delivery of product. The Operations Manager reports to the General Manager.

Maintenance Manager: Is responsible for integrity inspections of the system, routine servicing, maintaining the system and quality assurance of the work performed on the systems. The Maintenance Manager reports to the General Manager.

Business Manager: Is responsible for overall safety and environmental supervisors. The Business Manager is also responsible for locating, organizing and providing facilities, services, and materials for the incident and is also responsible for tracking all cost and evaluating the financial resources for supplies and contractor assistance. The Business Manager reports to the General Manager.

Safety Supervisor: Is responsible for overall safety, safety training, safety procedures, emergency response, and compliance auditing of the facility and supporting incident investigations. The Safety Supervisor reports to the Business Manager.

Environmental Supervisor: Is responsible for overall environmental compliance, environmental training, emergency response, updates and compliance auditing of the facility and supporting incident investigations. The Safety Supervisor reports to the Business Manager.

Plant Engineer: Is responsible for performing assessment, integrity testing, providing the technical expertise for any modification or upgrade of the system and overseeing management of change. The Plant, Engineer reports to the Maintenance Manager and may report to the Operations Manager depending on work scope.

SECTION 6
PROCESS SAFETY INFORMATION

6.1 NAICS Code

The NAICS code for Etiwanda Generating Station is 221112.

6.2 Chemical Name

The chemical addressed here is aqueous ammonia (19% ammonia in water solution); IUPAC name is ammonium hydroxide (NH_4OH).

6.3 Safety Information

In addition to implementation of the CalARP Prevention Program 1 elements, RRI has implemented specific safety features for the prevention, detection and control of releases of regulated (and other) substances at the RRI facility. The following are some of the control and detection equipment located in and around the facility to minimize the risk of an accident involving hazardous materials:

- Secondary tank containment (36,500 gallons)
- Pressure relief and safety valves
- High level alarms and shutoffs
- Ammonia gas detector/monitoring system
- Emergency shutdown devices (ESD)
- Fail-safe and interlock process controls (automatic)
- Emergency control stations (control room)

Table 6-1 shows the ammonia storage inventory and safety information. This safety information includes information pertaining to the hazards of the chemical and the technology and equipment of the ammonia storage system. The tanks are owned by RRI. A qualified vendor supplies the aqueous ammonia. The process is designed in compliance with recognized and generally accepted good engineering practices. Compliance with federal or state regulations that address industry-specific safe design or with industry-specific design codes and standards may be used to demonstrate compliance with this section. The Material Safety Data Sheet (MSDS) is provided in Appendix C.

The EPA Guidance Document for RMPs identifies that the purpose of compiling and providing Safety Information (per 40 CFR 68.48 and 19 CCR §2755.1) is to ensure that the safety-related aspects of the equipment and processes are understood, the limits thus placed on operations are known, and accepted standards and codes are adopted where they apply. The compilation of written process safety information also enables operating staff to identify and understand the hazards posed by this process.

Table 6-1. Aqueous Ammonia Storage Safety Information

Item	Description
MSDS: 19% Aqueous Ammonia	On file See Appendix C
Specific Gravity & Density	0.93 © 60 °F 7.76 lb/gal
Vapor Pressure	9.1 psia @ 60 °F
Maximum Intended Inventory	17,000 gallons (85%) (131,900 lbs.)
Total Tank Capacity	20,000 gallons in two equal-size tanks (155,200 lbs.) (Palmer Mfg. & Tank)
Secondary Containment	36,500 gallons (180%) (1395 sq. ft. x 3.5 ft. deep)
Temperature	Ambient (annual average 66 °F) Max. 250 °F @ 25 psi controlled by PVC
Pressure	Maximum: 25 psi @ 250 °F Minimum: 2 inches WC vacuum @ 20 °F
Temperature Indicator	Honeywell Model STT25, RTD type
Pressure Indicator	Weiss Instruments, 0-100 psig, Bourdon tube
Pressure-Vacuum Control (PVC)	Whessoe 2440/2450 Series, 25 psig, 2" WC
Level Transmitter Gauge	Magnetrol Thermatel Series TD/TS Option F/L
Toxic Gas Detector	International Sensor Tech. Model MP 202/204 (3 x 4 channel)
Ammonia Pumps	Procon Positive Displacement Rotary Vane Series 3, 15-140 gph (1.5 gpm)
Automatic/Emergency Shutdown	Flowtect Vane Operated Flow Switch Model V4-2-U
Manual Shutdown Control	Manual ball valves Control room pump/fan switches
Tank Design Codes & Standards (2000)	ASME code, Section VIII, Division 1, addenda "2000", stamp "U", Seismic Zone 4
Building Codes (2000)	1998 CA Building Code (Title 24) per 1997 UBC, UPC, UMC, & 1996 NEC, Seismic Zone

6.4 Seismic Walkdown

The Etiwanda Generating Station is located in Seismic Zone 4 near two of California's most active faults, the San Andreas and San Jacinto Faults. Both of these faults have the potential to generate a strong earthquake (Richter scale magnitude 6.9 to 7.3) in the near future. The nearby Cucamonga Fault also has the potential to generate a strong earthquake. Much of the region is underlain with a series of unmapped blind thrust faults that have no surface trace and can generate moderate (magnitude 6.8 or less) earthquakes. Active and potentially active faults in the vicinity of Etiwanda Generating Station are listed in Table 6-2.

Table 6-2. Etiwanda Generating Station Nearby Faults

Fault Name	Closest Segment	Activity Status
Chino	13 miles southwest	Potentially Active
Cucamonga	5 miles north	Active/EFZ
Indian Hill	11 miles northwest	Potentially Active
Lytle	9 miles northwest	Potentially Active
Red Hill	4 miles northwest	Potentially Active
Rialto-Colton	6 miles east	Potentially Active
San Andreas	13 miles northeast	Active/EFZ
San Antonio	11 miles northwest	Potentially Active
San Gabriel	14 miles northwest	Potentially Active
San Jacinto	9 miles northeast	Active/EFZ
San Jose	10 miles west	Potentially Active

Table 6-2 Notes:
Potentially Active = Evidence of displacement in the last 1.7 million years (Late Quaternary). Active = Last 11,000 years (Holocene) or last 200 years (Historic).
EFZ = a nearby fault segment is a designated Earthquake Fault Zone under the Alquist-Priolo Act.

Per CalARP Program Guidance Document Sections 1.3 and 1.4, registered substance (RS) systems and components designed in accordance with the 1997 UBC / 2000 IBC (or later) provisions provide reasonable assurance of withstanding earthquake effects without either structural failure or a release of RS having offsite consequences. Conditions that may make a partial or entirely new seismic assessment necessary may include:

- Major changes in estimated ground motions.
- Significant system modifications, such as changing or addition of equipment or processes.
- The occurrence of an earthquake since the latest assessment.
- The occurrence of other events (e.g., explosion) that have caused structural damage.
- Significant deterioration (e.g., corrosion) in structural members or anchorages.

Per CUPA requirements, a seismic walkdown has been performed on the aqueous ammonia system. Since the system is of new design and construction (2001), the most current seismic standards are incorporated. Results are contained in Appendix D.

6.5 General Duty Clause

All facilities are subject to the federal General Duty Clause (CAA Section 112(r)(1)), which requires facilities to:

- Identify the hazards posed by the chemicals and assess the impacts of possible releases.
- Follow applicable building codes, design standards, and appropriate management practices to ensure the facility is properly constructed and maintained, and that the chemical is managed safely to prevent releases.
- Have a contingency planning process which would involve, if necessary, community responders to aid in an adequate response in the event of a release, and to minimize the consequences of accidental releases which do occur.

The information presented in this document demonstrates compliance with the General Duty Clause.

SECTION 8
REGISTRATION FORM

LEPC REGION 1

RISK MANAGEMENT PLAN REGISTRATION

REGISTRATION TYPE ☒ New ☐ Update UPDATE TYPE ☐ Add ☐ Delete ☐ Revise

EPA ID NUMBER: *n/a*	FACILITY I.D. NUMBER *FA0002943*		NUMBER OF FULL-TIME EMPLOYEES: *31*
DBA/BUSINESS NAME: *Etiwanda Generating Station*			
BUSINESS LOCATION: STREET *8996 Etiwnada Ave.*			
CITY *Rancho Cucamonga*	COUNTY *San Bernadino*	CA ZIP *91739*	
LATITUDE *34° 5' 29" north*	LONGITUDE *117° 31' 40" west*	DUNS *n/a (no debt)*	
PARENT COMPANY NAME *RRI Energy, Inc.*		PARENT COMPANY DUNS *00820.0680*	
OWNER/OPERATOR NAME *RRI Energy Etiwanda, Inc.*		PHONE *(909) 899.7220*	
MAILING ADDRESS STREET *8996 Etiwanda Ave.*			
CITY *Rancho Cucamonga*		CA ZIP *91739*	
RMP CONTACT NAME *Paul Lacroix (909) 899-7290*		TITLE *ES&H Engineer*	
EMERGENCY CONTACT NAME *Paul Lacroix (909) 899-7290*		TITLE *ES&H Engineer*	
24-HOUR PHONE *(909) 899-7246 (Control Room)*		PHONE *(909) 899-7208*	
LAST SAFETY INSPECTION DATE: *n/a*		AGENCY *San Bernardino Cty. Fire Dept.*	
SOURCE SUBJECT TO Title 8, Sec. 5189 ☒ Yes ☐ No	SOURCE SUBJECT TO 40 CFR 355? ☐ Yes ☒ No		CAA TITLE V OPERATING PERMIT? ☐ Yes ☒ No

COVERED PROCESS NO. ONE: *Selective Catalytic Reduction*
NAICS CODE: *221112* ☐ 3
PROGRAM LEVEL: EI 1 ☐ 2

Regulated Substance Chemical Name		CAS Number	Concentration (wt %)	Maximum Qty. (lbs)
1.	*Ammonia, aqueous*	*7664417*	*19%*	*30,000*
2.				
3.				

COVERED PROCESS NO. TWO:
NAICS CODE: ☐ 3
PROGRAM LEVEL: ☐ 1 ☐ 2

Regulated Substance Chemical Name		CAS Number	Concentration (wt %)	Maximum Qty.. (lbs)
1.				
2.				
3.				

COVERED PROCESS NO. THREE:
NAICS CODE: ☐ 3
PROGRAM LEVEL: ☐ 1 ☐ 2

Regulated Substance Chemical Name		CAS Number	Concentration (wt %)	Maximum Qty.. (lbs)
1.				
2.				
3.				

APPENDIX A
LOCATION MAPS

A1. Location Vicinity Map

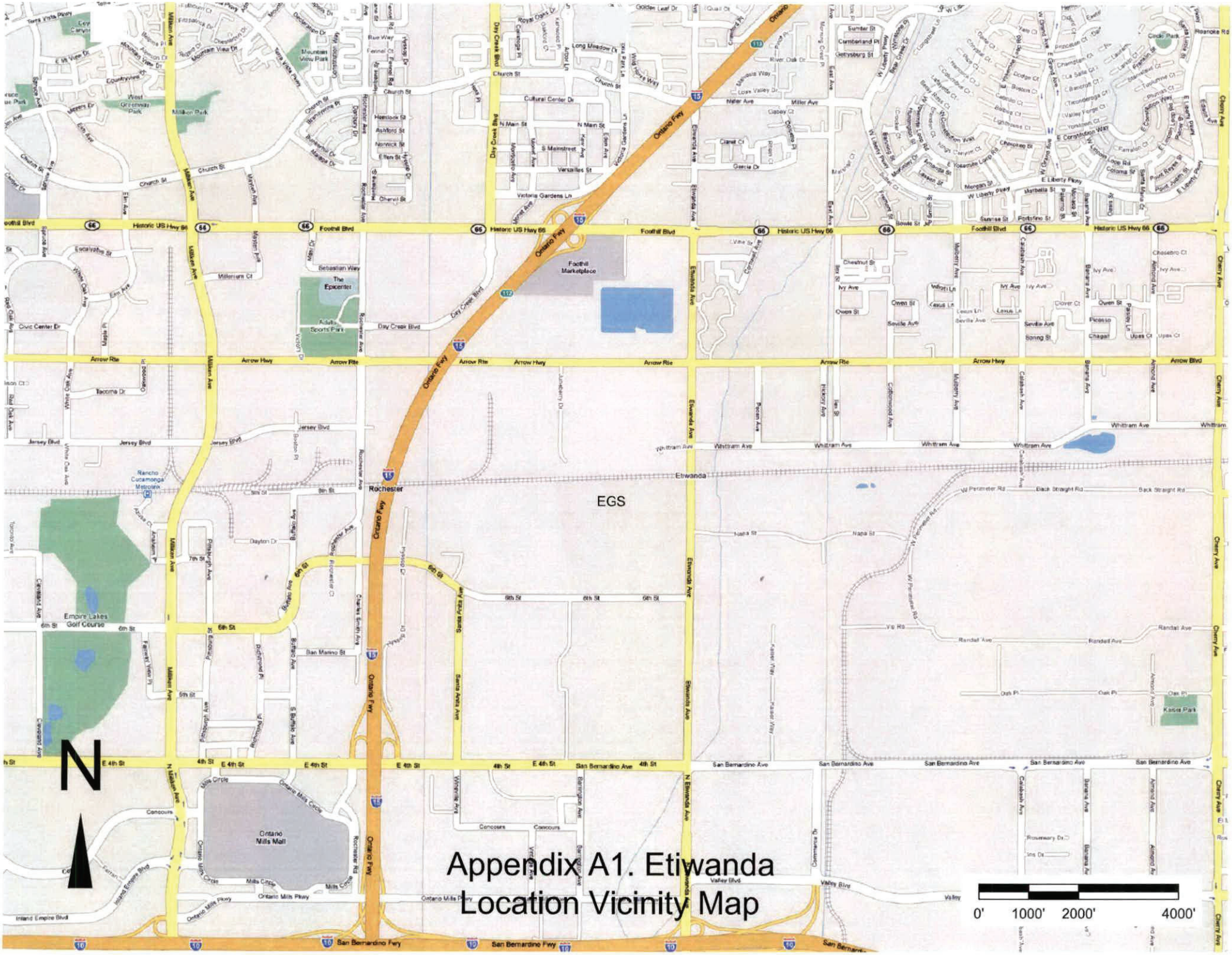
A2. Radii Map

A3. Site Map

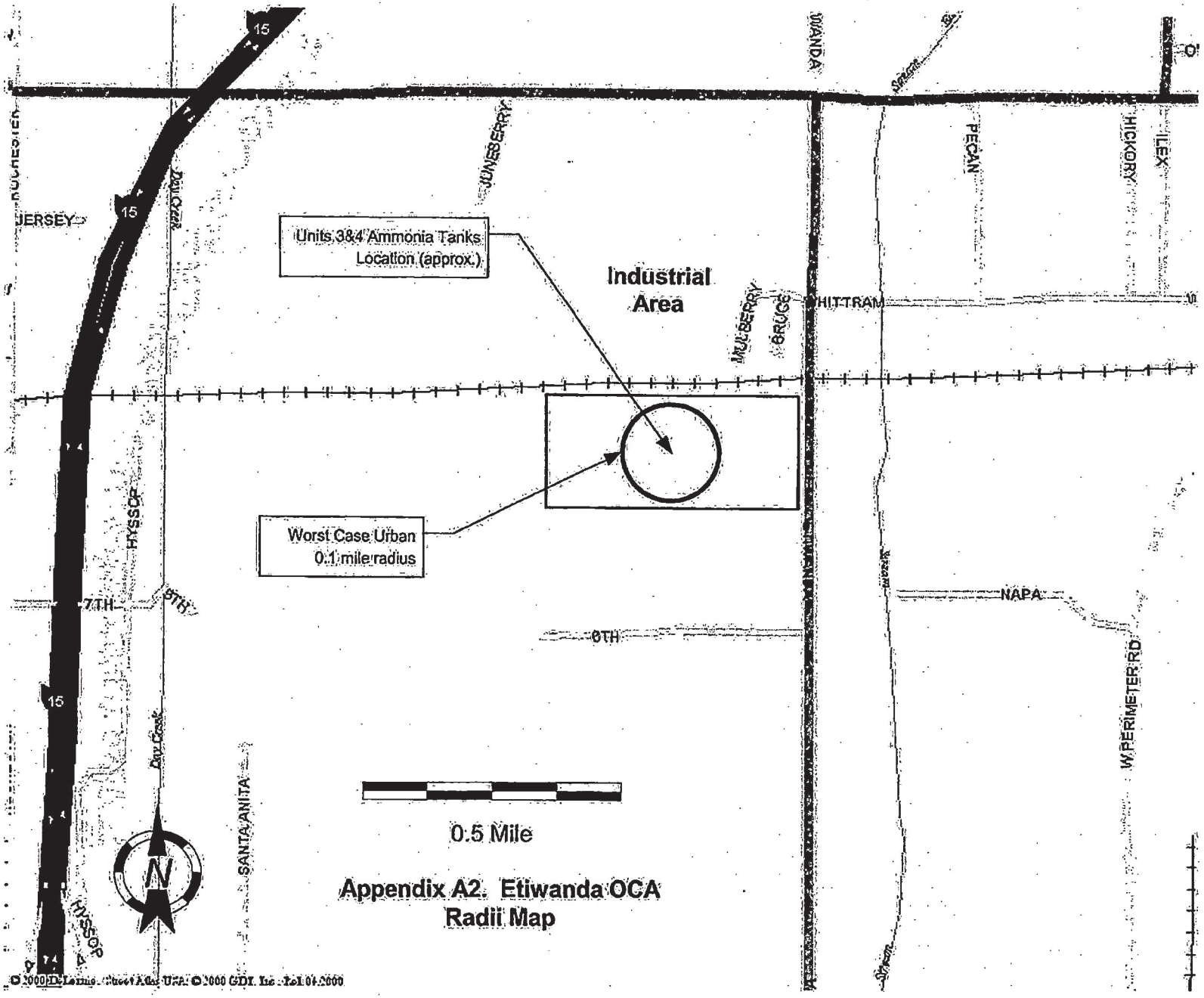
A4. Site Plan

A5. 1-Mile Receptor Map

A6. Locations of Nearest Receptors

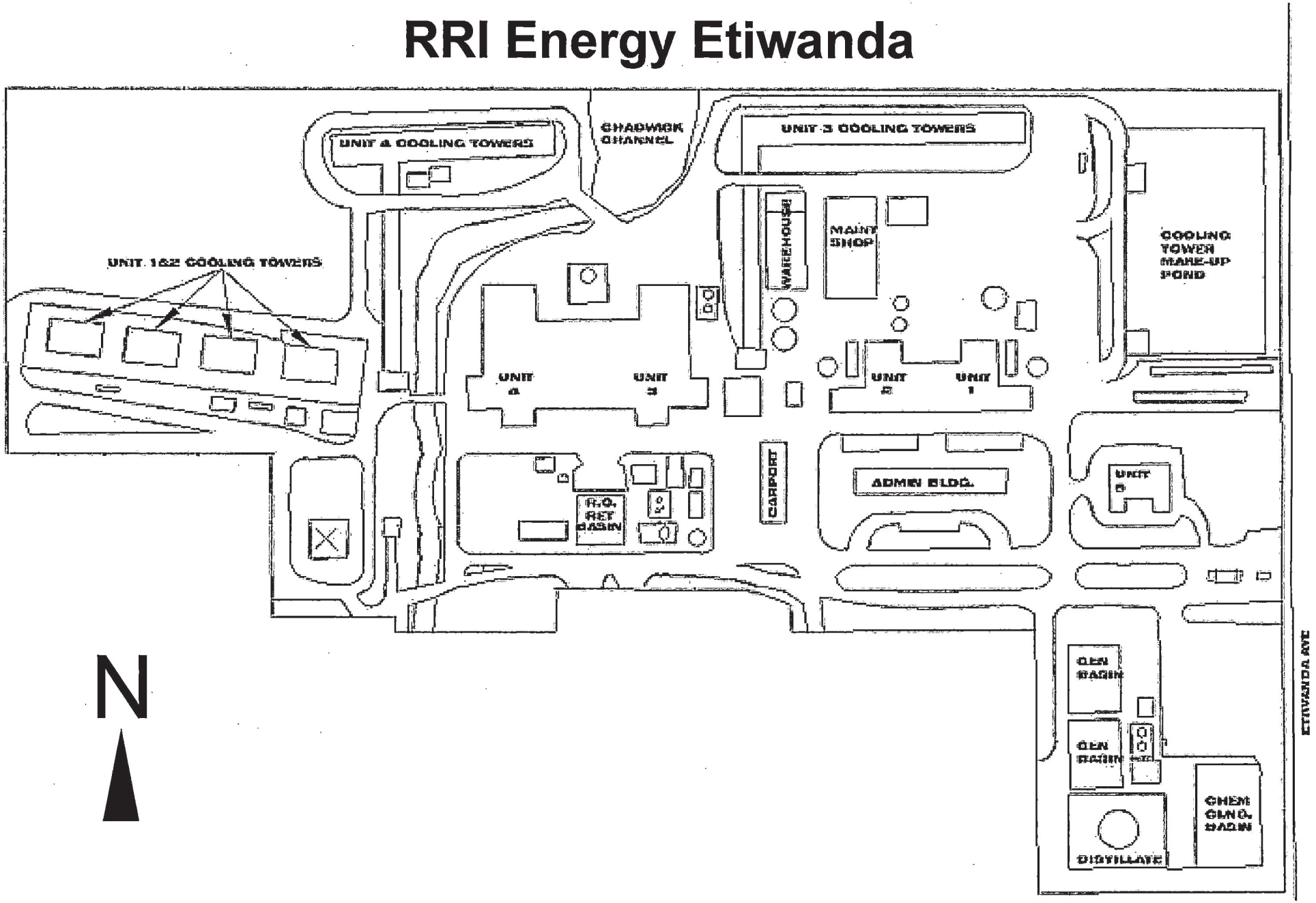


Appendix A1. Etiwanda Location Vicinity Map


Units 3&4 Ammonia Tanks
Location (approx.)
Industrial
Area
Worst Case Urban
0.1 mile radius
0.5 Mile
Appendix A2. Etiwanda OCA
Radii Map
15
JERSEY
HYSSOP
7TH
8TH
6TH
SANTA ANITA
WANDA
JUNIPER
MULBERRY
BRUCE
WHITTRAM
PECAN
HICKORY
ILEX
NAPA
W PERIMETER RD
N

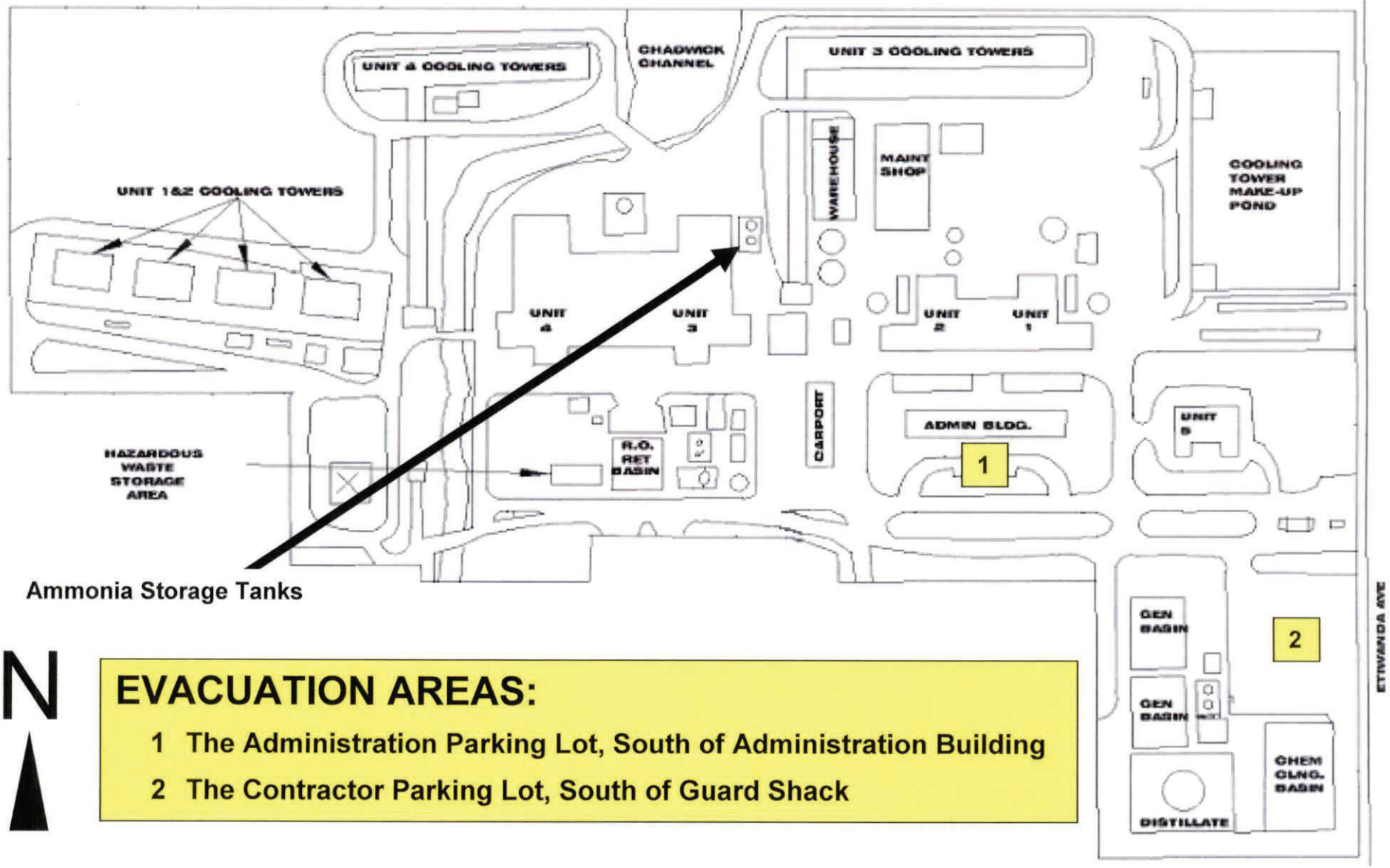
Appendix A3. Etiwanda Site Plan

RRI Energy Etiwanda



Appendix A4. Etiwanda Site Plan

RRI Energy Etiwanda



N

EVACUATION AREAS:

1 The Administration Parking Lot, South of Administration Building

2 The Contractor Parking Lot, South of Guard Shack

Operators Check Sheet for Unloading Ammonia

This form will be used for every Ammonia Offloading operation. This procedure is to insure compliance with the Regulatory Mandated Risk Management Plan (RMP).

Only trained, authorized personnel shall work with any part of the aqueous ammonia system. In the interest of safety, there shall always be two or more persons when transferring ammonia from truck to tank or tank to truck.

Initials

1. The Operator will escort the Ammonia delivery truck to the offloading area. _____

2. The Operator will verify that there is adequate room in the tank for the ammonia delivery

   Tank receiving delivery:_____

   Level in tank: _____ gals

   Delivery volume: _____ gals

   Total: _____ gals

   The total shall not exceed 8,000 gallons per tank. _____

3. The Operator will review the following information with the Ammonia Truck Driver (Driver) before any work is started. _____

4. The following PPE is required by the Operator and the Driver and any other personnel involved with the operation of offloading ammonia. The Driver and Operator must wear;

   - Safety glasses
   - Face shields
   - Rubber gloves
   - Clothing to protect exposed skin anytime they are connecting or disconnecting hoses, or operating valves. _____

5. Respirators must be available for the Driver and Operator. _____

6. The Operator will flush the two eyewash/safety showers that are located outside of the secondary containment. Till water come out at a reasonable temperature and clean before starting any work. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.** _____

Initials

7. The Operator will notify the Control Room Operator that they are ready to proceed with connecting and offloading the ammonia to the tank. _____

8. The Control Room Operator will make the following announcement over the PA:
   - Attention All Personnel,
   - Attention All Personnel,
   - Ammonia unloading is in progress,
   - All personnel stand clear of the Ammonia tank area
   - On the east side of Unit #3 _____

9. The Operator will have a service water hose ready to hose down any small leaks _____

10. The Driver will connect the vapor return hose to the truck tank, and to the station tank vapor return line and open the valves. The Operator will then check to ensure that all of the vapor return line valves are open. **Under no circumstances will the truck be unloaded without vapor hose in place and valves open.** _____

11. The driver will connect the liquid unloading hose from the truck unloading pump to the proper Station Ammonia Tank fill line. _____

12. The Driver will open Ammonia tank fill valves. _____

13. The Driver will open the liquid discharge valve from truck to ammonia tank. _____

14. The Operator will verify that the Ammonia tank fill and truck valves are open. _____

15. The Driver will start the unloading pump and start transferring ammonia. _____

16. The Driver and the Operator will inspect for leaks. If a leak is found the unloading will be stopped and the Control Room Operator notified. If the cause of a small leak is obvious and it can be repaired, unloading may continue after the repair has been made. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.** _____

17. If the unloading appears normal, the Operator and Driver will complete the unloading. _____

18. When unloading is complete the Operator will notify the Control Room Operator. _____

19. The driver will clean out the liquid unloading hose from the truck to the tank with an air blast. _____

Initials

20. The Operator will then close the ammonia tank fill valves and the vapor return line block valves. _____

21. The driver will close the truck discharge and vapor valves. _____

22. The Driver and Operator will make sure that all liquid and vapor valves are closed before disconnecting liquid and vapor hoses. _____

23. The Driver will disconnect hoses and stow them. _____

24. The Operator will hose down any small leaks before signing for shipment _____

25. The Operator will notify the Control Room Operator that they have completed the offloading of the ammonia and that valving is secured and in the normal position. _____

26. The Control Room Operator will make the following announcement over the PA:
    - Attention All Personnel,
    - Attention All Personnel,
    - The Ammonia unloading at Unit #3
    - Is completed _____

27. The Operator will sign the invoice for the load and any other paperwork that the driver needs signing. The Operator will receive copies of the invoice and any other paperwork. _____

28. The Operator will escort the truck to the exit gate. _____

Operator: _____ Date: _____
(Print Name)

Comments, Problems, Issues:

The Operator will place it into the Operation's Supervisor's out-basket.

APPENDIX G
PERSONNEL

Table G-1. Prevention Plan Contact List 3/31/09				
Responsible Position	**Responsible Person**	**Office**	**Cell**	**Comments**
Emergency Contact	Lee Moore	(909) 899-7241	(909) 841-5949	
Emergency Contact	Paul Lacroix	(909) 899-7208	(909) 322-5971	
Emergency Contact	Dian Vargas	(909) 899-7242	(951) 377-8061	
Emergency Contact	Plant Control Room	(909) 899-7246	N/A	24 hour 365 days
Staff Positions				
General Manager	Lee Moore	(909) 899-7241	(909) 841-5949	Owner's Representative
Operations Manager	Richard E. Darnell	(909) 899-7251	(909) 772-5528	
Maintenance Manager	Mark Greene	(909) 899-7254	(805) 207-4768	
Business Manager	Jim Barr	(909) 899-7231	(760) 578-3015	
Plant Environmental	Paul Lacroix	(909) 899-7290	(909) 322-5971	
Plant Safety	Dian Vargas	(909) 899-7242	(951) 377-8061	
Plant Engineer	Jeff Mayo	(909) 899-7203	(909) 821-8517	
Plant RMP Coordinator	Paul Lacroix	(909) 899-7290	(909) 322-5971	
Off-site RMP Preparer	Jennifer Geran	(512) 327-0288	(512) 775-6780	SAGE Environ. Consulting 4611 Bee Caves Road Suit 312 Austin, TX, 78746
Prevention Program 1 Element				
5-Year Accident History Recordkeeping	Paul Lacroix	(909) 899-7290	(909) 322-5971	
Hazard Assessment/OCA	Laurence Reider (Sage)	(760) 724-5732	(619) 318-9900	
Emergency Response Procedures	Paul Lacroix	(909) 899-7208	(909) 322-5971	
Management System	Lee Moore	(909) 899-7241	(909) 841-5949	
Safety Information/Seismic Walkdown	Paul Lacroix	(909) 899-7290	(909) 322-5971	
RMP Preparer	Laurence Reider (Sage)	(760) 724-5732	(619) 318-9900	
Aqueous Ammonia Vendor	Airgas Specialty Products	(800) 457-7891	(800) 295-2225	

RRI Energy Etiwanda, Inc.
Etiwanda Generating Station
Facility ID FA0002943

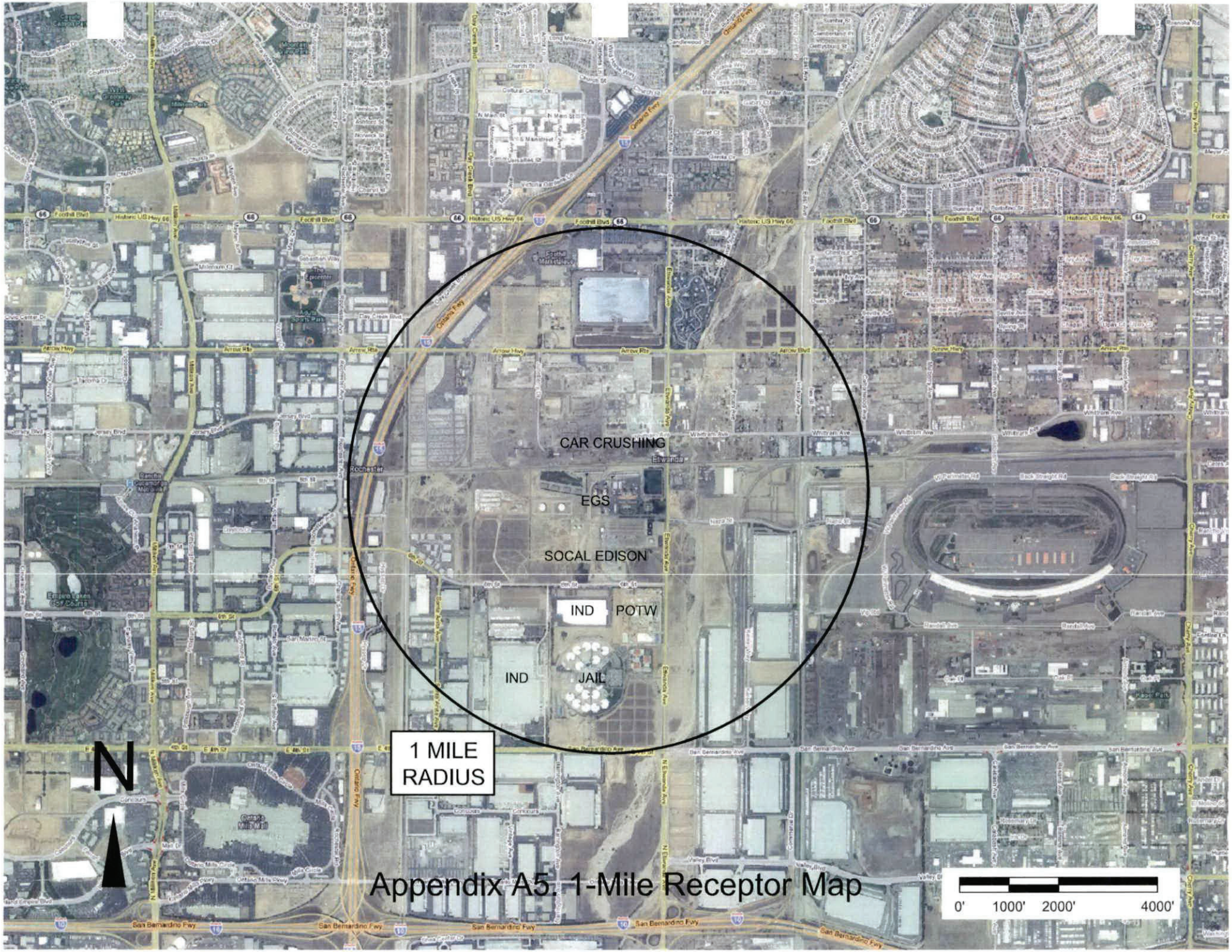
Program 1 Risk Management Plan
For Compliance Year 2009

Submitted to:
RRI Energy Etiwanda, Inc.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

SAGE
ENVIRONMENTAL CONSULTING

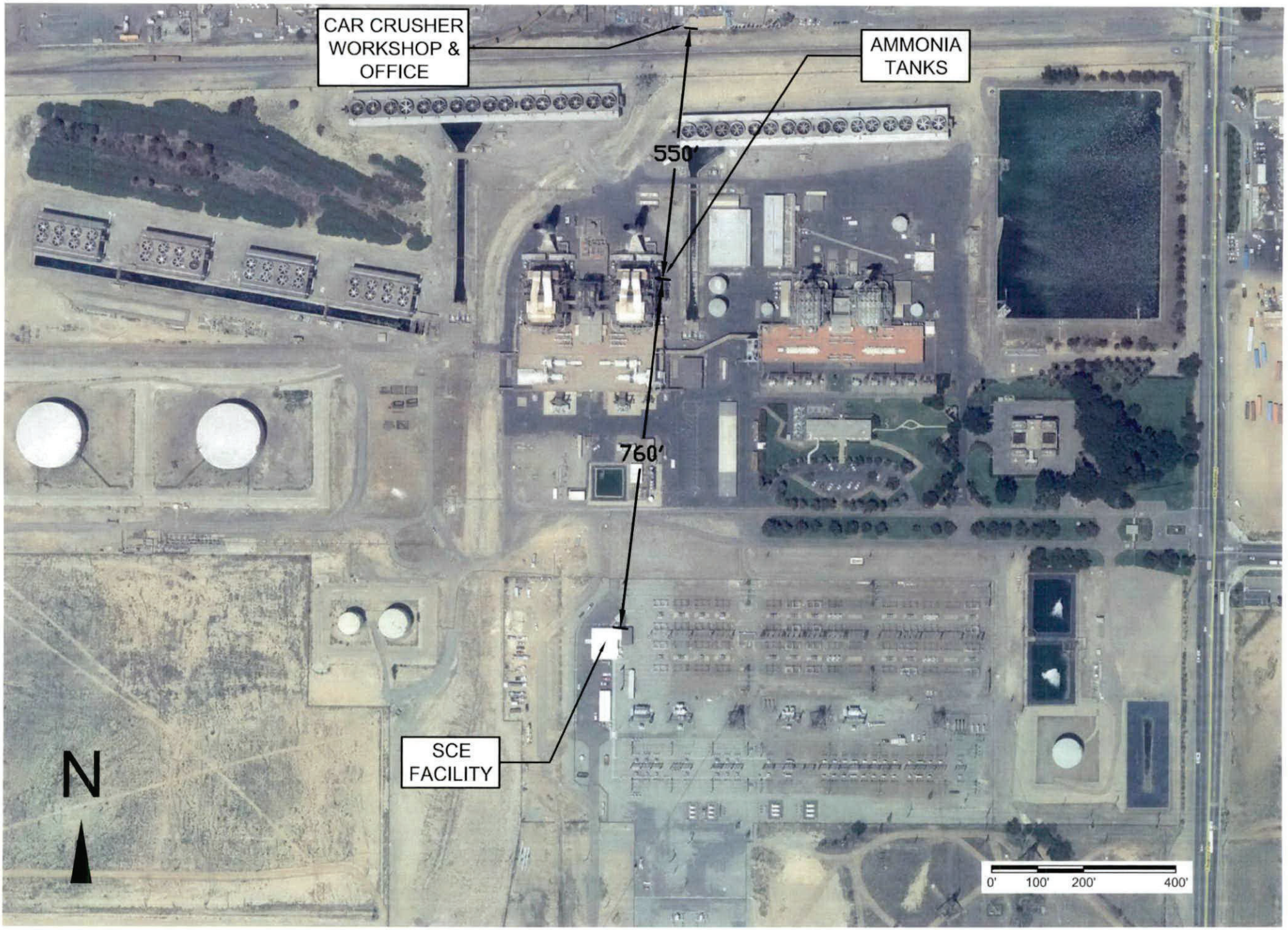
Prepared by:
Sage Environmental Consulting, L.P
506 W. Vista Way
Vista, CA 92083

August, 2009



Appendix A5. 1-Mile Receptor Map

Appendix A6. Locatio... of Nearest Receptors

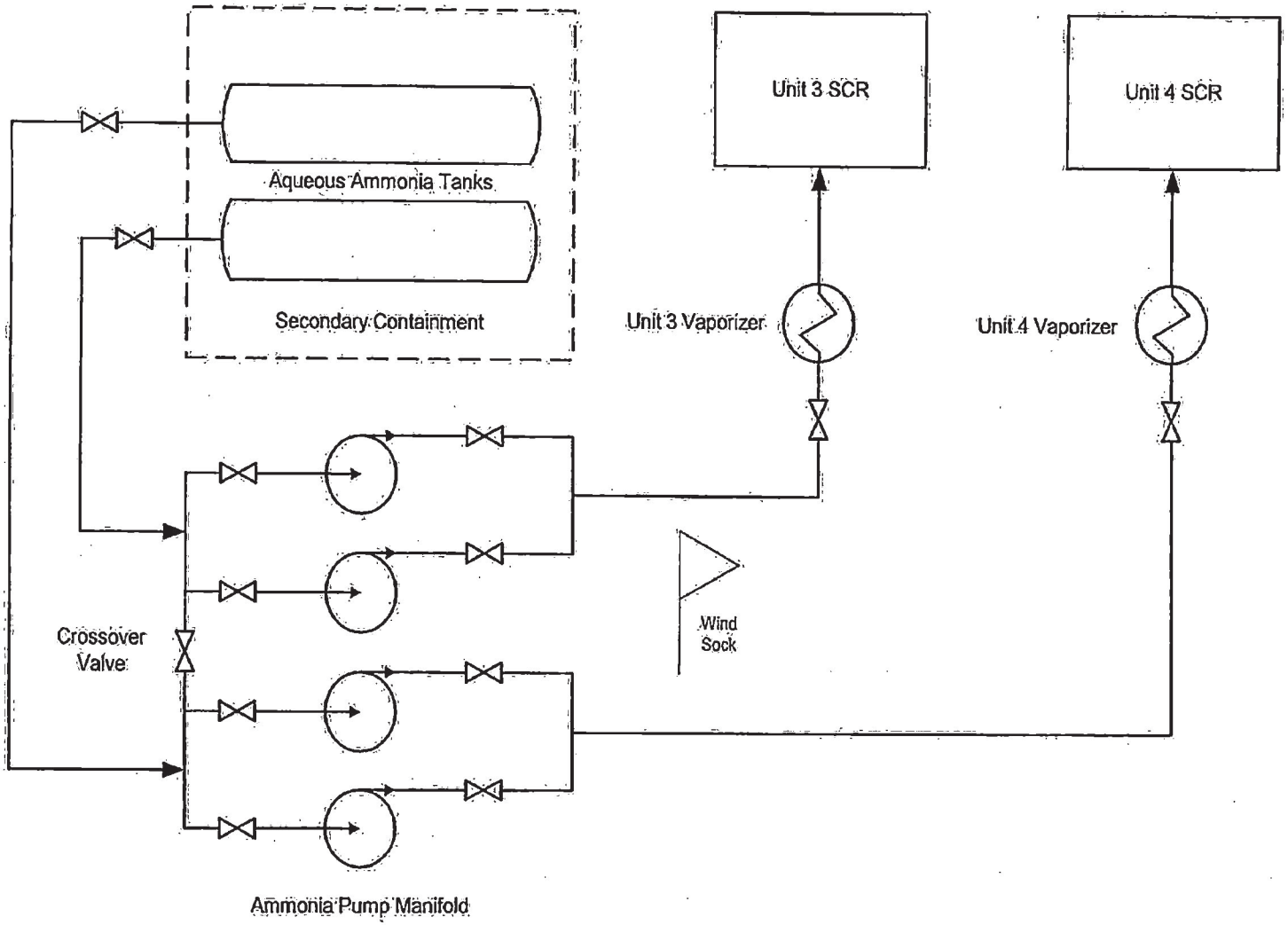


APPENDIX B
DIAGRAMS & DRAWINGS

B1. Simplified Drawing of the SCR Process Flow Diagram

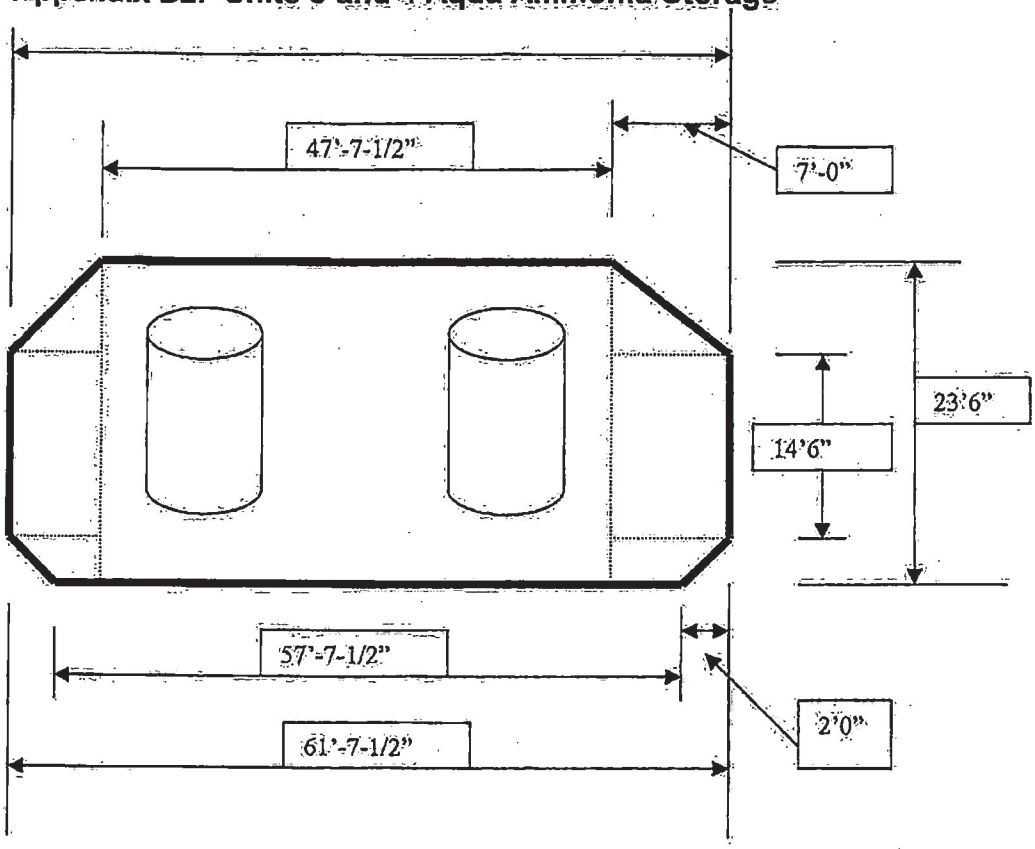
B2. Units 3 and 4 Aqueous Ammonia Storage

Appendix B1. Etiwanda Simplified Drawing of the SCR Process Flow Diagram



NORTH

Appendix B2. Units 3 and 4 Aqua Ammonia Storage



PLAN VIEW

Containment Depth: 3'6"

Rectangle minus triangle corners

Surface Area: (61.625' x 23.5') – (7'x7') – (2'x2') = 1395 sq. ft.

Volume: 1395 sq. ft. x 3.5 ft x 7.48 gal/ft3 = 36,500 gallons

Tanks: 2 x 10,000 gallons = 20,000 gallons

Containment: 180%

APPENDIX C
MATERIAL SAFETY DATA SHEETS – AMMONIA

Airgas

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

CHEMICAL NAME: Ammonium Hydroxide **TRADE NAMES / SYNONYMS:** Aqua Ammonia, Ammonium Hydroxide

MANUFACTURER AND/OR DISTRIBUTOR:
Airgas Specialty Products
6340 Sugarloaf Parkway, 300
Duluth, GA 30097 USA

EMERGENCY TELEPHONE NUMBERS:
Transportation (CHEMTREC): 1-800-424-9300
Environmental/Health/Safety (24-hr): 1-800-528-4963
Customer Service (Toll Free): 1-800-295-2225

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	FORMULA	% BY WEIGHT	CAS	OSHA PEL	NIOSH REL / ACGIH TLV		IDLH
				25 ppm (California only)			
Ammonia	NH_3	5-19.9	7664-41-7	50 ppm (TWA)	25 ppm (TWA)	35 ppm (STEL)	300ppm
Water	H_2O	80.1-95	7732-18-5	None	None	None	
Aqua Ammonia	NH_4OH	100	1336-21-6	-----	-----	-----	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **1.** Colorless liquid with a pungent odor. **2.** Avoid contact with liquid and vapor. **3.** Not flammable. **4.** Mixes with water. **5.** Harmful to aquatic life in very low concentrations. **6.** Stop discharge if possible.

POTENTIAL HEALTH EFFECT

ROUTES OF ENTRY: Inhalation, Skin Contact, Eye Contact, Ingestion **TARGET ORGANS:** Eyes, skin and respiratory system. **EYE CONTACT:** May be severely irritating upon liquid exposure, with irritation from fumes. **SKIN CONTACT:** High concentrations can cause severe irritation and burns. **INHALATION:** The gas can be suffocating and is irritating to the mucous membranes and lung tissue. **INGESTION:** Can cause vomiting, nausea and corrosive burns to the esophagus and stomach. The exact nature and intensity of toxic effects following ingestion of varying amounts of strong aqua ammonia solution (ex. 28%) is unpredictable. The most accepted view is that any amount from one teaspoon or greater can be dangerous if ingested.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Flush with large amounts of water for at least 15 minutes then immediately seek medical aid.
SKIN CONTACT: Immediately flush with large quantities of water for at least 15 minutes while removing clothing. Seek immediate medical aid.
INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as needed. Seek immediate medical aid.
INGESTION: Do not induce vomiting. Have victim drink large quantities of water if conscious. Immediately seek medical aid. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT(method used): Not Applicable **FLAMMABLE LIMITS:** 16-25% NH_3 in air (for labeling purposes, not DOT flammable gas). **EXTINGUISHING MEDIA:** Water fog or spray for escaping ammonia gas.
SPECIAL FIRE FIGHTING PROCEDURES: The mixture will not burn but escaping gas can burn in the range of 16-25% NH_3 in air. Wear full protective clothing and self-contained breathing apparatus in the pressure demand mode.
NFPA HAZARD CLASSIFICATION (Aqua): Health: 2 **Flammability:** 1 **Reactivity:** 0 (least-0——4-highest)

SECTION 6: ACCIDENTAL RELEASE MEASURES

In US, federal regulations require that a release of 1,000 lb. or more of ammonium hydroxide must be reported immediately to the National Response Center at (800) 424-8802, the SERC and the LEPC. In California, ALL releases must be reported to CUPA, state and local agencies. Additional state and local regulations may apply. **SUGGESTED LOCAL ACTION:** Releases will liberate irritating vapors. Spilled liquids should be contained and not washed into sewers or ground water. Prevent large quantities from contact with vegetation or waterways. Ammonium hydroxide is a regulated material and reporting of any release may be required. Any release of this material during the course of loading, transporting, unloading or temporary storage must be reported to the U.S. DOT as required by 49 CFR 171.15 and 171.16.

SECTION 7: HANDLING AND STORAGE

Store in ventilated containers or pressure vessels away from heat. Open containers cautiously in case of pressure build up. Zinc, copper and copper alloys such as brass are rapidly corroded by ammonium hydroxide.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Respiratory protection approved by NIOSH / MSHA for ammonia must be used when exposure limits are exceeded. Whether chemical canister respirator or self-contained breathing apparatus is sufficient for effective respiratory protection depends on the type and magnitude of exposure.
SKIN PROTECTION: Rubber gloves and rubber or other types of approved protective clothing should be used to prevent skin contact. A face shield should be used for increased protection from contact with liquid or vapor.
EYE PROTECTION: Chemical splash goggles, approved for use with ammonia, must be worn to prevent eye contact with liquid or vapor. A face shield should be used for increased protection from contact with liquid.
VENTILATION: Local positive pressure and/or exhaust ventilation should be used to reduce vapor concentrations in confined spaces. Ammonia vapor, being lighter than air, can be expected to dissipate to the upper atmosphere. Ammonia concentrations may also be reduced by the use of an appropriate absorbent or reactant material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 160°F (10% Sol'n.)
SOLUBILITY IN WATER: Complete
MELTING POINT: Approx 15°F (10% Sol'n.)
PERCENT VOLATILE BY VOLUME: 100%
VAPOR PRESSURE: 130 mm Hg @ 80°F(10% Sol'n.)
SPECIFIC GRAVITY: 0.928 @ 60°F (19.5% Sol'n., water=1)
VAPOR DENSITY: 0.60 @ 32°F (Air=1)
pH: Approx. 11.6 for 1 N Sol'n. in water
APPEARANCE: Colorless, pungent liquid

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material generally considered stable. Heating above ambient temperature causes the vapor pressure of ammonia to increase rapidly.
INCOMPATIBILITY (materials to avoid): Strong acids. Aqua ammonia reacts with bromine, chlorine, mercury, silver, silver solder, and hypochlorite (bleach) to form explosive compounds. Avoid use of metals containing copper or zinc.
HAZARDOUS DECOMPOSITION PRODUCTS: Heating and contact of vapors with very hot surfaces may form hydrogen. The decomposition temperature may be lowered to 575°F by contact with certain metals such as nickel.
HAZARDOUS POLYMERIZATION: Will not occur **CONDITIONS TO AVOID:** Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY BY INGESTION: Grade 3; Oral Rat, LD_{50} = 350 mg/kg. Ammonia is a strong alkali and readily damages all body tissues. Ammonia is not a cumulative metabolic poison.

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: 6.25 ppm 24hr/Trout/Lethal/Freshwater; 15ppm 48hr/Sunfish/TLm/Tap Water
WATERFOWL TOXICITY: Data not available **BIOCHEMICAL OXYGEN DEMAND:** Data not available
FOOD CHAIN CONCENTRATION POTENTIAL: None

SECTION 13: DISPOSAL CONSIDERATIONS

Consult local, state or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers is generally contrary to federal, state, and local regulations. For Hazardous Waste Regulations call (800) 424-9346, the RCRA Hotline.

SECTION 14: TRANSPORT INFORMATION

	5-10% Ammonia Solutions	>10-19.9% Ammonia Solutions
Proper shipping name:	Corrosive Liquid, N.O.S. (contains ammonia)	Ammonium Hydroxide
DOT Hazard Class:	8	8
Identification Number:	UN1760	UN2672
Packing Group:	III	III

SECTION 15: REGULATORY INFORMATION

NOTICE: This product is subject to the reporting requirements of SARA (1986, Section 313 of Title III) and 40 CFR Part 370.
CERCLA/SUPERFUND, 40 CFR 117.302: Unpermitted releases of 1,000 lb. or more of ammonium hydroxide in any 24-hour period must be reported immediately to the NRC at 1-800-424-8802, the SERC, and the LEPC. Written follow-up is required to SERC & LEPC.
OSHA HAZARD COMMUNICATION RULE, 20 CFR 1910.1200: Aqua ammonia is a hazardous chemical.
TOXIC SUBSTANCE CONTROL ACT: This material is listed in the TSCA Inventory.
EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (SARA, TITLE III): Section 302 Extremely Hazardous Substance: Yes; Section 311/312 Hazardous Categories: Immediate (Acute) Health Hazards; Section 313 Toxic Chemical: Yes (as ammonia); **WHMIS:** One percent (1%) as ammonia. **CALIFORNIA PROPOSITION 65:** Reproductive: No Carcinogen: No
OSHA PROCESS SAFETY MANAGEMENT, 29 CFR 1910.119: This product is NOT subject to the Process Safety Management requirements of 29 CFR 1910.119.
EPA CHEMICAL ACCIDENTAL RELEASE PREVENTION, 40 CFR PART 68: This product is NOT subject to the Risk Management Plan requirements of 40 CFR Part 68. **DRINKING WATER:** Maximum use dosage in potable water is 10mg/l.

SECTION 16: OTHER INFORMATION

REASON FOR REVISION: 1. Addition of new Toll Free Customer Service Number in Section 1. 2. Revision to concentration range in section 2. 3. Revision to proper DOT Shipping Name. 4. Revision to EPCRA Section 302 information in Section 15; 6. Revised LEL and UEL. 7. Company Name Change. 8. Revised LEL and UEL.
MSDS PREPARED BY: Airgas Specialty Products

This information is taken from sources or based upon data believed to be reliable, however, Airgas Specialty Products makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

APPENDIX D
SEISMIC WALKDOWN FORM

SEISMIC EQUIPMENT WALKDOWN WORK SHEET Page___ of

SYSTEM DESCRIPTION	LINE NUMBER	LOCATION	DRAWING NO.
Ammonia Tank and Pumps		Etiwanda Generating Station	20721-M-202 to 213

CONCLUSION
__X__ ACCEPTABLE
_____ ACCEPTABLE (Modifications required)
_____ UNACCEPTABLE (see comments)
_____ INACCESSIBLE (acceptability not determined)

ENGINEER: ____Glenn Whritenour
DATE: August 24, 2004

INSPECTION ATTRIBUTES

	YES	NO	INAC	COMMENTS
A.BOLTS,NUTS,WASHERS				
MISSING		X		
LOOSE		X		
CORROSION		X		
B.WELDS				
CRACKED/ DAMAGED		X		
C.SUPPORTS				
MISSING PARTS		X		
CORROSION		X		
D.SEISMIC CLEARANCE				
PROXIMITY		X		Tanks and skids are rigidly mounted to concrete foundations.
FLEXIBILITY		X		
ADJACENT EQUIPMENT	X			The equipment is located adjacent to existing plant equipment that was designed/installed in 1962-1963.

COMMENTS:

The Aqueous Ammonia Supply and Storage system is designed to provide a supply of 19% aqueous ammonia to the Aqueous Ammonia Vaporization Skid. The Aqueous Ammonia Vaporization Skid is comprised of a Hot Combustion Air Fan(s) that draws air into the Vaporizer where it mixes with the 19% aqueous ammonia. The ammonia is evaporated and diluted within this mixture and is then routed to SCR Catalyst Bed to reduce the plant's emissions. The major components of this system are as follows:

1. The Ammonia Storage Tanks [2] (10,000 gallons, each).
2. The Ammonia Supply Pumps [4]
3. The Ammonia Vaporizer Skid [1 per Unit]:
   a. Two (2) Hot Combustion air Fans
   b. Two (2) Vaporizers

These components are basically all skid mounted and are structurally sound.

SEISMIC PIPING WALKDOWN WORK SHEET Page 1 of 2

SYSTEM DESCRIPTION	LINE NUMBER	LOCATION	DRAWING NO.
Ammonia Tank and Pumps		Etiwanda Generating Station	20721-M-202 to 213 20721-M-461 to 472, 20721-M-480, 481, 510

CONCLUSION
__X__ ACCEPTABLE
____ ACCEPTABLE (Modifications required)
____ UNACCEPTABLE (see comments)
____ INACCESSIBLE (acceptability not determined)

ENGINEER: Glenn Whritenour

DATE: August 24, 2004

INSPECTION ATTRIBUTES

	YES	NO	INAC	COMMENTS
A. PIPING				
DAMAGED		X		No
CORROSION		X		
FLG/THRD/JTS	X			The piping system is comprised of flanged joints where it mates to various equipment and components. All are sound.
BURIED RUN		X		All aqueous ammonia piping is above grade.
ADEQUATE BRANCH FLEXIBILITY	X			The 1" dia aqueous ammonia is routed with numerous bends to allow flexibility during a seismic occurrence.
RIGIDLY SPANS COMPONENTS	X			The 1" dia aqueous ammonia is routed securely over equipment, components, and personnel accessed areas.
B. SUPPORTS				
PIPE SPANS OK	X			
MISSING HARDWARE		X		The installer of 1" dia (sch 40 ss) line installed U-bolt type

				supports that do not have washers. They used a single nut U-bolt installation versus a washer/double-nut installation. All nuts are snug-tight are provide adequate support. .
CORROSION		X		
HARDWARE DAMAGED/LOOSE		X		None
C. SEISMIC INTERACTION				
ADEQUATE CLEARANCE	X			
ADJ COMPONENTS SECURE	X			
CLEARANCE AT AOV'S/MOV'S	X			

SEISMIC WALKDOWN WORK SHEET **Page 2 of 2**

SYSTEM DESCRIPTION	LINE NUMBER	LOCATION	DRAWING NO.
Ammonia Tank and Pumps		Etiwanda Generating Station	20721-M-202 to 213 20721-M-461 to 472, 20721-M-480, 481, 510

COMMENTS/SKETCHES/PHOTOGRAPHS

The 1" dia Aqueous Ammonia supply lines to the Unit #3 and #4 Vapor Skids are routed through a plant designed and constructed in 1963. The lines are supported off structural steel members and other raceway supports that have not been seismically qualified. The supports appear to be adequate for the loads installed.

The lines run adjacent to various structures, equipment, and components but appear to have adequate clearance such that they will not be impacted during a seismic event.

The Aqueous Ammonia piping is primarily comprised of a 1" dia, schedule 40, stainless steel pipe that is supported by u-bolt type supports throughout the plant. Some of these supports are mounted off new supports but many are mounted off existing pipe supports that also support electrical raceways (ie: conduits) and piping systems. These supports appear to be adequate. Typical pipe supports fabricated of u-bolts use a washer and a double nut installation method. The u-bolt supports installed do not have washers (unless the bolt hole was oversized) and do not have a double nut. The review of the nuts indicated that they all were snug tight and secure.

Stanchion support types support the Vaporizer piping between the Vaporizer Skid and the Catalyst.

APPENDIX E
RMP*COMP VERSION 1.07 OUTPUT

Appendix E

RMP*Comp Ver. 1.07
Results of Consequence Analysis

Chemical: Ammonia (water solution) 20%
CAS #: 7664-41-7
Category: Toxic Liquid
Scenario: Worst-case
Quantity Released: 160000 pounds
Liquid Temperature: 66 F

Mitigation Measures:
Diked area: 1395 square feet
Dike height: 3.5 feet

Release Rate to Outside Air: 29.3 pounds per minute
Topography: Urban surroundings (many obstacles in the immediate area)
Toxic Endpoint: 0.14 mg/L; basis: ERPG-2
Estimated Distance to Toxic Endpoint: 0.1 miles (0.2 kilometers)

--------Assumptions About This Scenario---------
Wind Speed: 1.5 meters/second (3.4 miles/hour)
Stability Class: F
Air Temperature: 77 degrees F (25 degrees C)

APPENDIX F
EMERGENCY RESPONSE PLAN

F1. Operation, Maintenance, and Spill Response – Aqueous Ammonia

F2. Operators Check Sheet for Unloading Ammonia

OPERATION, MAINTENANCE, AND SPILL RESPONSE - AQUEOUS AMMONIA SYSTEM

1.0 Purpose

The purpose of this Station Order is to ensure the safe operation and maintenance of the aqueous ammonia system. Aqueous ammonia is a regulated hazardous substance and proper care is essential to prevent harm to personnel, the environment and to prevent an accidental discharge. This Station Order gives guidance to station employees for the safe handling, storage, usage and emergencies with aqueous ammonia at the station.

2.0 Responsibility

2.1 General Manager

The General Manager shall be responsible for overseeing all activities, operations and compliance of the Risk Management Program, the aqueous ammonia systems and will also ensuring the following:

2.1.1 Shall insure that a Root Cause Analysis or an investigation of any incident that could or does results in an accidental discharge or unprotected exposure of employees is conducted.

2.1.2 That all lessons learned are assimilated into the stations' operating and maintenance procedures as required.

2.1.3 That corrective and preventative actions are addressed.

2.1.4 That best management practices are evaluated and implemented as needed.

2.1.5 That all required testing and maintenance is performed.

2.1.6 That all required inspections are performed.

2.2 Operations Manager

The Operations Manager is responsible for ensuring that all Operating Personnel involved in the operation of the aqueous ammonia system have been trained on and comply with station polices, procedures and the following:

2.2.1 That all Operations personnel are trained on the physical properties and hazards of aqueous ammonia.

2.2.2 That the aqueous ammonia transporter complies with the delivery requirements for transporting aqueous ammonia to the station.

2.2.3 Off loading procedure of ammonia tanker trucks are followed.

2.2.4 System operating requirements and limitations understood and the system is operated accordingly.

2.2.5 Daily inspections of the aqueous ammonia systems are conducted.

2.2.6 Is responsible for identifying operational and mechanical problems.

2.2.7 Is responsible for preparing the aqueous ammonia systems for maintenance.

2.2.8 That all personnel working in the vicinity of aqueous ammonia systems have been informed of the potential hazards and are properly trained and equipped.

2.2.9 That all contractors working on aqueous ammonia system are trained and qualified to work on aqueous ammonia system.

2.2.10 Ammonia emergency procedures are up-to-date, available, and implemented if and when necessary.

2.3 Maintenance Manager

The Maintenance Manager is responsible for ensuring that all Maintenance Personnel involved in the maintenance and repair of the aqueous ammonia system have been trained on the following:

2.3.1 That all Maintenance personnel are trained on the physical properties and hazards of aqueous ammonia.

2.3.2 That all Maintenance personnel are trained in the appropriate maintenance and testing practices.

2.3.3 That all personnel are trained in ammonia emergency procedures.

2.3.4 That all required maintenance activities are performed when and as required.

2.3.5 That all contractors working on aqueous ammonia system are trained and qualified to work on aqueous ammonia system.

2.3.6 Will insure that a Root Cause Analysis or an investigation of any incident that could or does result in an accidental discharge or unprotected exposure of personnel is conducted.

2.3.7 That all corrective actions are addressed in a timely manner.

2.3.8 That all maintenance records are maintained.

2.4 Plant Safety & Environmental

The Plant Safety & Environmental is responsible for ensuring the following:

2.4.1 That all station personnel have received an awareness level of training for aqueous ammonia.

2.4.2 All personnel involved in the operation and maintenance of the aqueous ammonia system have received training on the physical properties and hazards of aqueous ammonia.

2.4.3 Shall be involved with the Root Cause Analysis or investigation of any incident that could or did result in an accidental discharge or in the unprotected exposure of personnel.

2.4.4 Shall review and update this Station Order if needed whenever there is a change to the design or operation of the aqueous ammonia system.

2.4.5 Shall review and update this Station Order every five years.

2.5 Plant Engineer

The Plant Engineer shall be responsible for ensuring the following:

2.5.1 That all changes and or modifications to the aqueous ammonia system comply with applicable industry standards and regulations.

2.5.2 Shall be responsible for overseeing management of change procedures.

2.5.3 That an annual inspection of the aqueous ammonia system is conducted and documented.

2.5.4 Shall conduct a Root Cause Analysis or an investigation of any incident that could or did result in an accidental discharge or unprotected exposure of personnel.

3.0 RMP Regulated Hazardous Materials

3.1 Aqueous Ammonia 19% Solution:

Etiwanda maintains quantities of Aqueous Ammonia 19% solution that exceeds the CalARP RMP program Threshold Quantity (TQ). 19 percent aqueous ammonia is not regulated under the Federal Program. A hypothetical worst-case release of aqueous ammonia at the Etiwanda Generating Station would not result in offsite exposures at or above the toxic endpoint. Therefore, the Etiwanda Generation Station is classified as Prevention Program 1 (California state-only).

The major hazards encountered in the use and handling of aqueous ammonia come from its toxicological properties. Aqueous ammonia, a colorless and intensely pungent liquid, can be toxic by all routes (i.e. inhalation, ingestion, and dermal contact) of exposure.

Effects from exposure may include extreme irritation of the eyes and mucous membranes, contact burns to the skin and eyes, and life-threatening pulmonary edema.

3.1.1 Aqueous Ammonia Physical Properties:

Trade Name: Aqueous Ammonia solution (19%)
a.k.a. Ammonium Hydroxide solution (19%)

- Hazardous Component:••••••••• Ammonia C.A.S. # 7664-41-7
- Physical State:••••••••••••••••••••Liquid
- Boiling Point: •••••••••••••••••••Approximately 160° F.
- Vapor Pressure: ••••••••••••••••• 130 mm Hg @ 68° F.
- Vapor Density: ••••••••••••••••• 0.6 (ammonia gas);
  >1 (aqueous ammonia aerosol)
- Specific Gravity: ••••••••••••••• 0.96
- Bulk Density: ••••••••••••••••••• 7.50 pounds/gallon
- LEL/UEL: ••••••••••••••••••••••• 16-25% (ammonia gas)
- Auto Ignition: ••••••••••••••••••••651° F. (ammonia gas)

3.1.2 Aqueous Ammonia Hazards:

Aqueous ammonia vapors are severely irritating to the throat and respiratory tract and will cause corrosive burns or blisters to the skin. Vapors will cause intense irritation to the eyes and an extreme exposure may cause blindness. An acute exposure to high concentrations of aqueous ammonia may result in permanent injury or death. Aqueous ammonia has not been identified as a potential carcinogen.

- Permissible Exposure Limit (PEL): ••••••••••••••••••••••••• 25 ppm
- Short Term Exposure Limit (STEL): •••••••••••••••••••••••••35 ppm
- Immediately Dangerous to Life and Health (IDLH): •••••• 300 ppm

3.2 Aqueous Hydrazine 35% Solution:

The Etiwanda Generating Station has Aqueous Hydrazine 35% solution, which is used as an oxygen scavenger,

3.2.1 Aqueous Hydrazine 35% Solution Quantities:

The station has the potential of having quantities that could exceed the CalARP threshold quantity for aqueous hydrazine. The aqueous hydrazine solution is delivered at 35 weight percent in 180 gallon totes. Each tote contains approximately 530 pounds of hydrazine. The CalARP threshold quantity (TQ) is 1,000 pounds and the federal TQ is 15,000 pounds.

Since two full totes of aqueous hydrazine would exceed the CalARP TQ, Etiwanda Generating Station has implement administrative controls to limit the maximum quantity of aqueous hydrazine to one full tote and one tote less than half-full. This would keep the station at less than 800 pounds of aqueous hydrazine solution at any given time.

3.2.2 Ordering Aqueous Hydrazine:

The purpose of the following procedure for Ordering Aqueous Hydrazine is to prevent Etiwanda from violating the CalARP TQ threshold quantity limits that would result in the facility receiving an Notice of Violation (NOV).

The station will NEVER order a new tote of aqueous hydrazine until the one in service is less than half-full (1/2 full). It takes approximately 30 days after the order has been placed to receive the new tote. This ordering process will help insure Etiwanda does not have more than 1 and a 1/2 totes or 800 lbs. of aqueous hydrazine solution on the station at any given time.

3.2.2.1 Aqueous hydrazine solution shall only be ordered by the following personnel in the order listed:

1. Chemical Technician
2. Operations Specialist
3. Operations Manager

3.2.2.2 The person placing the order will visually insure the following information:

- There is only one tote with aqueous hydrazine solution on the station.
- The tote in service is less than half-full (1/2 full).

3.2.2.3 They will verify that the storeroom has not placed an order within the last 40 days.

3.2.3 Regulator Compliance:

It is mandatory for all Etiwanda Generating Station personnel to comply with the proceeding requirements of this procedure. To maintain compliance with the CalARP threshold quantity limits of the Risk Management Plan (RMP). This plan is administered and regulated by the "County of San Bernardino Fire Protection District, Hazardous Materials Division".

4.0 Safety Overview

The system supplies aqueous ammonia to two different systems within the plant. 1) Selective Catalytic Reduction (SCR) system. 2) Boiler Water Treatment system.

The aqueous ammonia is used in the SCR system to reduce the NOx emissions created by the combustion of fuel in the boilers. It is used in the boiler water treatment system to control the pH of the water inside the boiler.

The aqueous ammonia system consists of two bulk storage tanks, four supply pumps, isolation valves, strainers, flow meters, safety devices and connecting piping. The aqueous ammonia system is a closed system and normal operation of the system does not expose personnel to the aqueous ammonia or its vapors.

Shutting down the aqueous ammonia system at any time, whether automatically, manually, or accidentally, does not present a hazard. Stopping the aqueous ammonia flow will not have an adverse impact on the integrity of the aqueous ammonia system and will not lead to an accidental discharge of aqueous ammonia.

Each of the bulk aqueous ammonia storage tanks are designed with a capacity of 10,000 gallons each. Each bulk storage tank is equipped with a pressure relief valve that is set at 25 psig, and a vacuum relief valve set at –13.8 in. wg. Vac. The tank has a local level indicator, pressure gauge, and temperature indicator. The tank level and pressure are transmitted to the Control Room.

There is ammonia gas detectors located at the bulk aqueous ammonia tank area, pump skids, and at each of the vaporizer skids. These ammonia gas detectors activate an alarm in the Control Room.

Additionally, there is eyewash/shower stations located on the inside of the tank secondary containment area and on the outside at the north and south ends of the tank secondary containment area.

5.0 Operation

The Operations department has the primary responsible for ensuring the proper operation and monitoring of the aqueous ammonia system.

5.1 Delivery

Aqueous ammonia is delivered to the station by tanker truck. A typical delivery is approximately 6,000 gallons. The highest consumption of aqueous ammonia is during the summer months when the generating units are at peak loads. There may be as many as 1 delivery per week during the summer months.

Unloading

1. Trucks arriving at Etiwanda Generating Station will be held at the entrance gate until the Operations escort arrives.

2. The Operator will escort the Ammonia delivery truck to the offloading area. Only trained, authorized personnel shall work with any part of the aqueous ammonia system.

3. The Operator will verify that there is adequate room in the tank for the ammonia delivery.

20. The driver will clean out the liquid unloading hose from the truck to the tank with an air blast.

21. The Operator will then close the ammonia tank fill valves and the vapor return line block valves.

22. The driver will close the truck discharge and vapor valves.

23. The Driver and Operator will make sure that all liquid and vapor valves are closed before disconnecting liquid and vapor hoses.

24. The Driver will disconnect hoses and stow them.

25. The Operator will hose down any small leaks before signing for shipment

26. The Operator will notify the Control Room Operator that they have completed the offloading of the ammonia and that valving is secured and in the normal position.

27. The Control Room Operator will make the following announcement over the PA:

    Attention All Personnel,
    Attention All Personnel,
    The Ammonia unloading at Unit #3
    Is completed

28. The Operator will sign the invoice for the load and any other paperwork that the driver needs signing. The Operator will receive copies of the invoice and any other paperwork and place it into the Operation's Supervisor's out-basket.

29. The Operator will escort the truck to the exit gate.

5.2 General Operational Precautions

Operators shall adhere to the following operational precautions in order to prevent or mitigate an accidental discharge of aqueous ammonia:

5.2.1 All valves that vent or drain aqueous ammonia directly to the environment shall be closed and shall be capped or plugged except when being used for servicing the system.

5.2.2 The secondary containment drain valve at the bulk aqueous ammonia tank shall be normally closed and never left unattended in the open position. The drain valve shall only be opened for short periods of time when necessary to drain rainwater.

5.3 Start-up of Aqueous Ammonia System

Prior to starting the first aqueous ammonia pump, an Operator shall walk down the system and assure that the pumps are properly valved to the system.

5.3.1 All vent and drain valves are closed and capped/plugged.

5.3.2 The suction and discharge valves of the pumps are open.

4. The Driver and Operator must wear, safety glasses, face shields, rubber gloves, and protect exposed skin anytime they are connecting or disconnecting hoses, or operating valves.

5. Respirators must be available for the Driver and Operator.

6. The Operator will flush eyewash/safety showers for at least two minutes before starting any work. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.**

7. The Operator will notify the Control Room Operator that they are ready to proceed with connecting and offloading the ammonia to the tank.

8. The Control Room Operator will make the following announcement over the PA:

   Attention All Personnel,
   Attention All Personnel,
   Ammonia unloading is in progress,
   All personnel stand clear of the Ammonia tank area
   On the east side of Unit #3

9. The Operator will have a service water hose ready to hose down any small leaks.

10. In the interest of safety, there shall always be two or more persons when transferring ammonia from truck to tank or tank to truck.

11. The Driver will connect the vapor return hose to the truck tank, and to the station tank vapor return line and open the valves. The Operator will then check to ensure that all of the vapor return line valves are open. **Under no circumstances will the truck be unloaded without vapor hose in place and valves open.**

12. The driver will connect the liquid unloading hose from the truck unloading pump to the proper Station Ammonia Tank fill line.

13. The Driver will open Ammonia tank fill valves.

14. The Driver will open the liquid discharge valve from truck to ammonia tank.

15. The Operator will verify that the Ammonia tank fill and truck valves are open.

16. The Driver will start the unloading pump and start transferring ammonia.

17. The Driver and the Operator will inspect for leaks. If a leak is found the unloading will be stopped and the Control Room Operator notified. If the cause of a small leak is obvious and it can be repaired, unloading may continue after the repair has been made. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.**

18. If the unloading appears normal, the Operator and Driver will complete the unloading.

19. When unloading is complete the Operator will notify the Control Room Operator.

5.3.3 The following permissives must be met prior to opening the SCR ammonia shut off Power Operated Valves (POVs) and starting the pumps:

5.3.3.1 Forced Draft Fan: ON

5.3.3.2 Boiler: ON

5.3.3.3 SCR Inlet Temperature (gas fuel): >450° F.

5.3.3.4 Atomizer Air: >30 psig

5.3.4 When all permissives are met, the Control Room may initiate aqueous ammonia flow to the SCR by opening the SCR aqueous ammonia shutoff POV and starting the pump. If one of the permissives is no longer met, the SCR ammonia shutoff POV will automatically close and the pump will stop.

The Operator may stop the aqueous ammonia flow to the SCR vaporizers at any time by closing the SCR ammonia shutoff POV and stopping the pump from the Control Room.

5.3.5 The desired flow rate is determined by the fuel gas flow rate to the boiler and the NOx concentration at the inlet of the SCR catalyst. Insufficient flow does not create a hazard. Excess flow does not create a hazard but may result in excess SCR ammonia slip that must be controlled to less than 10 ppm.

5.4 Daily Inspection

Operators perform a visual inspection of all hazardous material bulk storage tanks including the bulk aqueous ammonia tank at least twice daily. Inspection results are recorded on the "RCRA and CWA Daily Inspection Report" form. Any irregularities observed are noted on the inspection form and reported to the Control Operator and the Operations Supervisor for immediate action, and a maintenance work request is also generated.

5.5 Securing Aqueous Ammonia System:

5.5.1 Normal Shutdown: Close SCR ammonia shutoff POVs from the Control Room.

5.5.2 Prolonged Shutdown (one unit): Close SCR ammonia shutoff POVs from the Control Room. Close unit supply valve at injection grid.

5.5.3 Prolonged Shutdown (both units): Close SCR ammonia shutoff POVs and shut down pump from the Control Room. Close both unit supply valves at the tanks.

5.5.4 Precautionary Shutdown: Close SCR ammonia shutoff POVs and shut down pumps from the Control Room. Close both unit supply valves at the tanks.

5.5.5 Emergency Shutdown: Close SCR ammonia shutoff POVs and shut down supply pumps from the Control Room. Close both unit suction valves at the tanks.

5.6 Response to Ammonia Gas Detector Alarm

Operators shall exercise caution whenever investigating an ammonia gas detection alarm.

5.6.1 The Operator investigating the alarm shall carry a radio and be in continuous contact with the Control Room. The Operator shall approach the suspected area from an upwind direction.

5.6.2 If the Operator detects an ammonia odor, the Operator shall withdrawal to a safe distance. The Operator shall assess the situation and report his observations to the Control Room.

5.6.3 Based on the Operator's assessment, the Control Room shall stop the ammonia flow by shutting down the aqueous ammonia pumps and contact the Operations Specialist or the Duty Manager for further instructions.

6.0 Maintenance

The Maintenance Department is responsible for all repair, calibration and testing of the aqueous ammonia system. The Maintenance Department is also responsible for overseeing all contractors that service or perform any type work on the aqueous ammonia system.

6.1 Clearing & Isolating Equipment for Maintenance

The station complies with RRI Energy's "Control Of Hazardous Energy Sources" also know as "Lock Out / Tag Out (LOTO)" for isolating equipment for all maintenance activities, on all system. This comprehensive procedure assures employee safety and provides uniformity in preparing of equipment for work.

6.2 Employee Protection for Routine Maintenance

In general, all components of the aqueous ammonia system can be isolated and flushed with water in preparation for maintenance and servicing and thus no special personnel protection is required for working on these components. There are a few small portions of the system, such as strainers, which cannot be flushed and may contain small amounts of aqueous ammonia solution. While servicing these components, employees shall take the following additional protective measures:

6.2.1 Personal Protective Equipment: Air Purifying Respirator with ammonia cartridge, face shield, apron, and rubber gloves.

6.2.2 A hose with running water to dilute the small amount of contained aqueous ammonia solution.

6.2.3 The worker shall verify a good path of egress prior to starting work.

6.2.4 Bleed the contained aqueous ammonia solution off at a slow rate.

6.3 Annual Condition Assessment Survey

An annual condition assessment survey shall be performed to assess the condition of the aqueous ammonia system. This survey shall be scheduled for the first opportunity after November 1st in which the aqueous ammonia system is not in service. The condition assessment survey shall include:

6.3.1 The aqueous ammonia system components shall be walked down and visually inspected for signs of deterioration. Signs of deterioration shall be investigated to determine their impact of the integrity of the system. Any deficiencies shall be recorded and corrected.

6.3.2 All aqueous ammonia equipment foundations and pipe supports shall be visually inspected for corrosion, abrasion, and integrity. Any deficiencies shall be recorded and corrected.

6.3.3 Every valve in the aqueous ammonia system shall be visually inspected. Every valve, excluding vent and drain valves, shall be fully opened and closed to assess condition and ease of operation. Any deficiencies shall be recorded and corrected.

6.4 Integrity Testing of Bulk Aqueous Ammonia Tank

Every five years, the bulk aqueous ammonia tank shall be subjected to an integrity test. The integrity test shall include a comprehensive ultrasonic examination of the tank wall thickness. The results of the ultrasonic examination shall determine if an interior visual inspection is also required. The following tank ancillary equipment shall be removed, inspected, calibrated, and/or recertified, as appropriate:

- Pressure Relief Valve
- Vacuum Relief Valve
- Flame Arrestor (flame check)
- Level Gage
- Pressure Gage
- Temperature Indicator
- Any deficiencies shall be recorded and corrected prior to returning the tank to service.

6.5 Maintenance of Ammonia Gas Detection System

Routine maintenance of the six ammonia gas detectors consists of periodic calibration. The calibration requires the detector to be subjected to an ammonia calibration gas and the electronic circuitry adjusted to generate a reading equal to the calibration gas concentration. The four tricolor LEDs shall also be checked to verify that the instrument is in a normal operating condition.

7.0 Training

7.1 Risk Management Program Training

All station personnel are required to review this Station Order, periodically with recurrent training or whenever there is a change, to ensure understanding and compliance with the applicable operating procedures. This training is conducted either by computer based training, by required reading or by classroom instruction.

7.2 Hazard Communications Training

All Operation and Maintenance personnel receive initial and periodic recurrent Hazard Communication training. This training includes awareness training on all hazardous substances used at the facility, including aqueous ammonia and aqueous hydrazine. This training is conducted either by computer base training, by required reading or by classroom instruction.

7.3 Systems Training

Station Operators receive comprehensive training in all the systems and processes at the generating station. Their training includes several months of classroom instruction on the principles of power plant operations and several months of apprenticeship. Additionally, every Operator must complete a proficiency checklist by demonstrating to a more senior Operator their knowledge of the components, proper operation, and limitations of each system and process at the generating station.

7.4 Work Authorization Training

All Operation and Maintenance personnel receive initial and periodic recurrent training on RRI Energy's "Work Authorizations-Red Tag" procedures. This training is conducted either by computer based training, by required reading or by classroom instruction.

8.0 Emergency Response

8.1 Releases

The following are recommended steps to be followed in the event of an accidental release of aqueous ammonia:

8.2 Identify the source of the ammonia leak:

- Do not touch or walk through spilled material.
- Stop the leak if you can do it without risk.
- Prevent the spill from escaping the secondary containment area.
- Use a water spray to reduce vapors or divert cloud drift.
- Isolate the area until vapors have dispersed.

8.3 Isolate and control the source of the leak:

- Only do so if properly trained and wearing the appropriate PPE.
- Evacuate the spill or leak area immediately for at least 330 to 660 meters in all directions.
- Keep unauthorized personnel away.
- Stay upwind by viewing the wind socks within the facility.
- Avoid low or confined areas.
- Keep out of low areas and ventilate closed spaces before entering.

8.4 In case of a fire:

While aqueous ammonia does not ignite, its vapors can burn with the production of irritating or poisonous gases. Fire involving aqueous ammonia may be extinguished with dry chemical, CO2, water spray, fog, or standard foam. Also extra cautions should be included if the fire involves the storage tanks.

- Shut down all aqueous ammonia operations (if applicable).
- Fight fire from maximum distance, use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water safety devices.
- Withdraw immediately in case of rising sound intensity from venting safety devices or if discoloration of the tank is observed.
- Always stay away from the ends of tanks.

8.5 First Aid

Administer first aid to injured personnel (if applicable).

- Move victim upwind to fresh air.
- Notify the control room if medical care is needed.
- Apply artificial respiration if victim is not breathing.

NOTE: Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Keep victim warm and quiet.
- Keep victim under observation.
- Effects of contact or inhalation may be delayed.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

8.6 Evacuation

Evaluate the emergency and assess the possible need for an evacuation.

- Observe the wind direction to determine which one of the two evacuation assembly areas should be used.
- Depending on the situation personnel may be required to assembly in another location that is not designated as a normal assembly area.
- Personnel may need to be directed to evacuate the station.
- Alert all on-site personnel and direct them to one of the evacuation assembly stations or off site location.
- If an evacuation is called for make sure to account for all personnel that are on-site.

8.7 Notification

The order of notification of the following personnel and organizations must be decided at the time of the incident and would also be determined by the type and severity of the situation.

8.7.1 Notify Station Management Members:

- Station General Manager
- Environmental & Safety Representative
- Operations Manager
- Maintenance Manager
- Business Manager
- Operations Specialist

8.7.2 Contact off-site emergency responders as necessary:

- Fire – 911
- HazMat – 911
- Paramedics – 911
- Sheriffs – 911

8.7.3 Contractor Assistance:

- MP Environmental, Inc. – 1-800-458-3036
- United Pumping Service, Inc. – 1-626-961-9326

8.7.4 Report the release immediately to the proper authorities Federal, State, Local, if the release will impact others off site, the environment or if the release is 1,000 pounds or more.

- National Response Center – 1-800-424-8802
- San Bernardino County Fire Protection District, Hazardous Materials Division 909-387-3044 or 1- 800- 338-6942
- California Office of Emergency Services – 1-800-852-7550

8.8 Incident Coordination

The control room shall coordinate all responses to an emergency. They will coordinate all activities with station personnel. They will also coordinate all activities with offsite emergency responders to the station. They will also coordinate with offsite contractors responding to mitigate the situation.

The control room operator may ask station personnel to assist in the emergency response, the coordination of contractors and with emergency responders. However the control room operator will still be the primary point for placing calls for additional resources and for the operation of station systems as needed.

The control room will coordinate all requests for placing equipment in a safe condition for work or access by using RRI's "Control Of Hazardous Energy Sources" also know as "Lock Out / Tag Out (LOTO)".

If or when the Emergency Services Incident Command system is implemented, all station personnel will assist the Incident Command with technical and manpower assistance as needed, within each person's knowledge, training and capability.

Lindsey Dandridge-Perry

From: RANCHOCUCAMONGACA Support <ranchocucamongaca@mycusthelp.net>
Sent: Wednesday, September 13, 2023 9:14 AM
To: Lindsey Dandridge-Perry
Subject: [Records Center] Fire District Request :: F007715-090623

External Email

--- Please respond above this line ---

Lindsey,

Copies of the requested records for 8996 Etiwanda Avenue have been uploaded to the Records Request Center.

Rob Ball
Fire Marshal

To monitor the progress or update this request please log into the Public Records Center

Lindsey Dandridge-Perry

From: RANCHOCUCAMONGACA Support <ranchocucamongaca@mycusthelp.net>
Sent: Monday, September 18, 2023 11:54 AM
To: Lindsey Dandridge-Perry
Subject: [Records Center] Fire District Request :: F007737-091323

Follow Up Flag: Follow up
Flag Status: Flagged

External Email

--- Please respond above this line ---



Lindsey,

Copies of the requested records have been uploaded to the Records request Center.

Rob Ball
Fire Marshal

To monitor the progress or update this request please log into the Public Records Center



Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Etiwanda Commerce Center LP**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/28/2022 9:40 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Asbestos Containing Material	**Cu. Feet**	**4860**	**810**	3240	38880		Asbestos	1%		1332-21-4
	CAS No	State: Solid	Storage Container: Other		Pressue: Ambient	Waste Code: 151					
	Map: 2	Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Etiwanda Commerce Center LP**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location **Chemical Storage Area**

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/28/2022 9:40 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	DEF	**Gallons**	**250**	**250**	250			Urea	33%		57-13-6
	CAS No	State: Liquid	Storage Container: Tote Bin		Pressue: Ambient	Waste Code		Water	68%		7732-18-5
	Map: 6 Grid: E-3	Type: Mixture	Days on Site: 365		Temperature: Ambient						
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen**	**Gallons**	**180**	**45**	90		- Physical Gas Under Pressure - Physical Oxidizer				
	CAS No 7782-44-7	State: Liquid	Storage Container: Cylinder		Pressue: > Ambient	Waste Code					
	Map: 6 Grid: E-3	Type: Pure	Days on Site: 365		Temperature: Cryogenic						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Etiwanda Commerce Center LP**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location **Hazardous Waste Accumulation Area**

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/28/2022 9:40 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Oily Debris	**Pounds**	**600**	**150**	300	3600					
	CAS No	State: Solid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 223					
	Map: 6 Grid: E-4	Type: Waste	Days on Site: 365		Temperature: Ambient						
DOT: 9 - Misc. Hazardous Materials Toxic	**PCB Oil Debris**	**Pounds**	**550**	**55**	440		- Health Acute Toxicity - Health Reproductive Toxicity - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Transformer Oil Aroclor 1254 Debris	50% 1% 50%		64742-53-6 11097-69-1
	CAS No	State: Solid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 261					
		Type: Mixture			Temperature: Ambient						
	Used Oil	**Gallons**	**220**	**55**	110	2640					
	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 221					
	Map: 6 Grid: E-4	Type: Waste	Days on Site: 365		Temperature: Ambient						
Toxic	**Waste PCB Oil**	**Gallons**	**330**	**55**	110		- Health Acute Toxicity - Health Reproductive Toxicity - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Transformer Oil Aroclor 1254	99% 1%		64742-53-6 11097-69-1
	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 261					
		Type: Mixture			Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. BTC III Etiwanda Commerce Center LP
Facility Name ETIWANDA GENERATING STATION
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location Various portable generators

CERS ID 10038976
Facility ID FA0002943
Status **Submitted** on 2/28/2022 9:40 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6 Map: 2	**Gallons** State Liquid Type Pure	**2000** Storage Container Aboveground Tank, Other Days on Site: 365	**500**	1871 Pressue Ambient Temperature Ambient	55 Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730
(909) 477-2770 www.RCFire.org

OPERATING PERMIT

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

Permit Number: FIRE2017-00499

Issued Date: 10/12/2017

Expiration Date: 7/20/2019

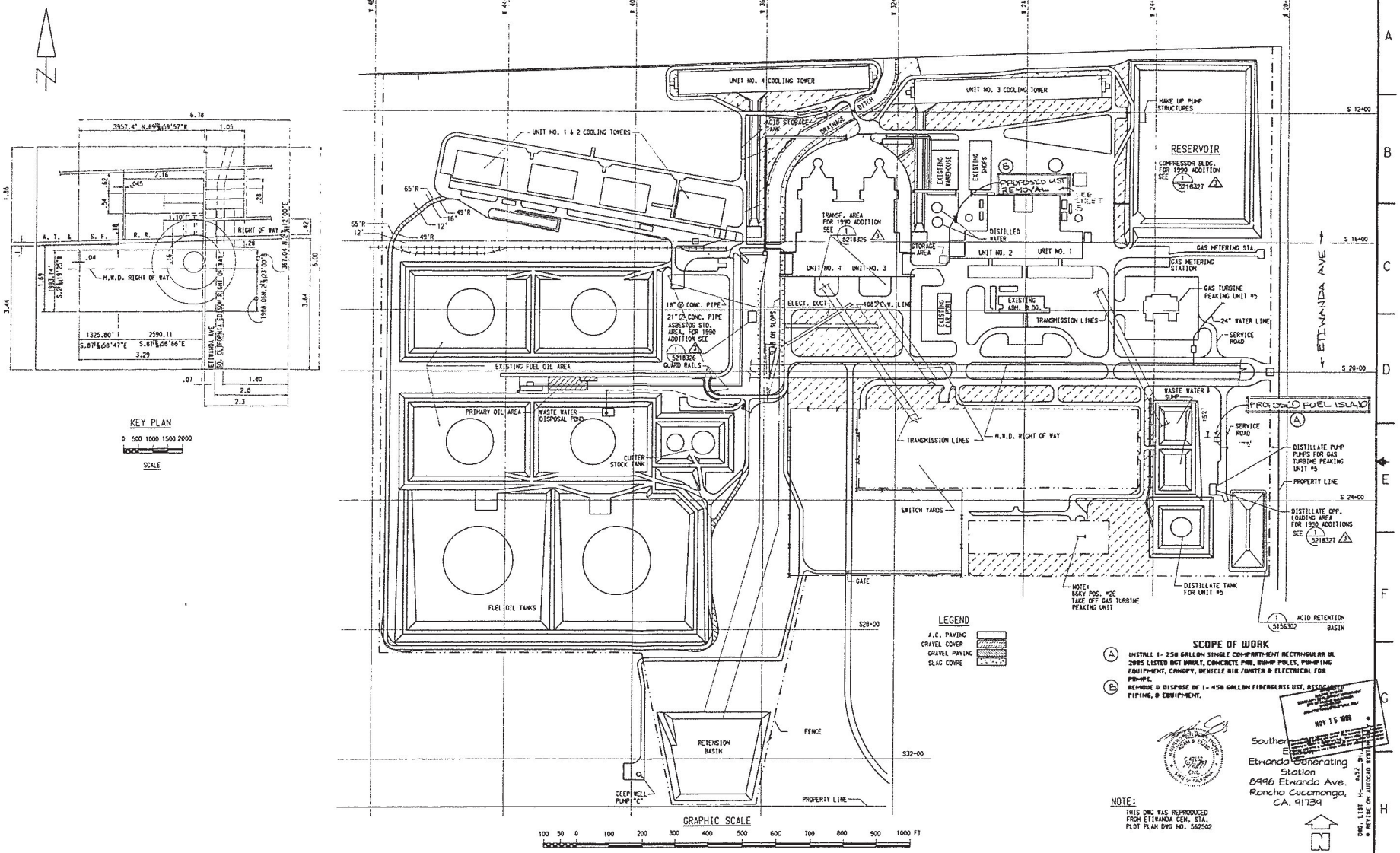
Permitted Operations, Uses, Activities, and Conditions:

Permit	Notes
Hot Work – Fixed Site	
Stationary Storage Battery System	
Compressed Gases – Oxidizing including oxygen greater than 504 cu ft	40,200 cubic feet
Hazardous Material in Excess - Pounds 1,001 - 5,000	NAOC1=9,000 gallons. NH3(ag)=17,000 gallons
Flammable and Combustible Liquids - 5,001 - 10,000 gallons or less over max allowable quantity	Class I=250 gallons. Class II=382 gallons. Class IIIB=144,361 gallons
Hazardous Material in Excess - Pounds 25,001 - 50,000	NANO3=400 lbs. NA3PO4=500 lbs. H2SO4=355,074 lbs. Hg=60 lbs
Compressed Gases – Flammable greater than 200 cu ft	50,669 cubic feet
Compressed Gases – Inert and Simple Asphyxiant greater than 6000 cu ft	202,350 cubic feet

In accordance with the terms of application on file with the Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on the condition that all applicable sections of the California Fire Code and other related regulations are complied with. This permit does not take place of any license required by law. This permit is not transferable. Any changes in the use or occupancy of premises shall require a new permit.

Issued To:

NRG Energy
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739



NO.	REVISIONS	DATE	P.E.	GAE	SUPV	APPROVED	ENGR	CK'D	MADE	I.D.
5	RECORD REVISION								DRSA	6348
4	CONVERTED TO CAD	H 6-16-98				JLG	CB	HO	DRSA	6348
3	REV'S FOR CONSTRUCTION 1990 ADDITIONS	3-19-90				JET	RRB	CB	WA	6412
2	ADDED ACID RETENTION BASIN								DE	7535
1	ADDEDSERV. ROADS & DISTILLATE FUEL PUMP	10-09-89				K HAIG	JRG	LRS	JAG	7880
0	ISSUED FOR CONSTRUCTION	9-18-89				K HAIG	JRG	LRG	JL	7880

REFERENCE DRAWINGS	REFERENCE DRAWINGS	NO.
	5156302	LOC. PLAN - ACID RET. BASIN

LOCATION: ETIWANDA GENERATING STATION

SITE ARRANGEMENT PLAN

SOUTHERN CALIFORNIA EDISON An EDISON INTERNATIONAL Company

SHEET NO. 3 OF 9 SHTS.

SCALE: AS SHOWN

CSA CIVIL ENGINEERING ENGINEERING, INC. FULLERTON, CA

04-23-92 E4D0-46

590751-5

SCOPE OF WORK

ACTION FIRE PROTECTION SCOPE OF WORK TO
INSTALL (2) NEW 2500 GPM FIRE PUMPS. THESE PUMPS TO BE INSTALLED ON THE EXISTING PUMP PLATFORM ON THE SOUTH WEST CORNER OF THE RESEVOIR. THE NEW PUMPS TO REPLACE THE TEMPORARY FIRE PUMPS SUPPLYING THIS FACILITY.

THE WORK TO INCLUDE A NEW 8" LATERAL UNDERGROUND LINE TO TIE THE UNDERGROUND LOOPS TOGEATHER.
THE UNDERGROUND TO BE INSTALLED PER NFPA 24 AND RANCHO CUCAMONGA FIRE DISCTRICT.

THE FIRE PUMP TO BE INSTALLED PER NFPA 20 AND RANCHO CUCAMONGA FIRE DISCTRICT.

UNDERGROUND GENERAL NOTES

1. ALL UNDERGROUND PIPING TO BE HYDROSTATICALLY TESTED AT 200 P.S.I. FOR 2 HOURS.
2. UNDERGROUND PIPING TO BE FLUSHED IN ACCORDANCE WITH NFPA PAM. 24 PRIOR TO CONNECTION TO OVERHEAD PIPING.
3. INSTALLATION TO BE PER NFPA PAM. 24.
4. PROVIDE CONCRETE THRUST BLOCKS & BODDING AS REQ'D.
5. ALL MATERIAL TO BE U.L. & F.M. APPROVED.
6. IDENTIFICATION SIGNS ON EQUIPMENT AS REQUIRED.
7. TOP OF P.I.V.'S TO BE SET AT 36" ABOVE FINISHED GRADE.
8. ALL PIVS TO BE SECURED WITH BREAKAWAY STYLE LOCKS AND CHAIN. ALL TO BE OPEN POSITION.
9. PIPE UNDER BUILDING TO BE DUCTILE IRON.
10. ALL EQUIPMENT SHALL BE INSTALLED ON JOB SITE.
11. FOR LOCATION & ELEVATION OF OVERALL CONTRACTOR SHALL REFER TO CIVIL PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GRADING.
12. MINIMUM BURY OF NFPA PIPE TO BE 36" BELOW FINISHED GRADE.
13. ALL UNDERGROUND PIPING, VALVES, ETC. SHALL BE COATED AND WRAPPED.
14. ALL UNDERGROUND PIPING SHALL BE VINYLTECH AWWA C900.
15. ALL UNDERGROUND PIPE FITTINGS SHALL BE MECHANICAL JOINT.
16. THE RISER TO BE ON THE EXTERIOR OF THE BLDG'S.
17. ALL PIPE, VALVES & FITTINGS INSIDE SHALL BE INSTALLED IN COMPLIANCE WITH RANCHO CUCAMONGA FIRE DISTRICT STANDARD 9-6.
18. THE EX. UNDERGROUND IS 6" & 8" CAST IRON PIPING WITH MJ FITTINGS.
19. ALL FITTINGS FOR THE NEW PIPING TO BE MJ FITTINGS.
20. THE NEW UNDERGROUND PIPING IS 8" CLASS 150 PVC PIPING THAT HAS AN INTERNAL DIAMETER OF 7.96 - C=150.
21. THE NEW SECTIONAL PIV VALVES TO BE MJ X MJ AND THE NEW PIV VALVES TO HAVE BREAKAWAY LOCKS TO SECURE THE VALVES IN THE OPEN POSITION.
22. A COPPER GAUGE TRACER WIRE TO BE INSTALLED HORIZONTALLY ON TOP OF THE PIPING. TAPE IS REQUIRED TO BE WRAPPED CIRCUMFERENTIALLY AT INTERVALS NOT EXCEEDING 10 FEET.
23. THE UNDERGROUND PIPING TO BE 30" TO BURY BELOW GRADE.

FACILITY DESCRIPTION

RELIANT ENERGY ETIWANDA GENERATING STATION IS A PRIVATE ELECTRICITY GENERATING STATION. THE FACILITY IS COMPRISED OF (5) UNITS THAT WERE COMMISSIONED AT VARIOUS INTERVALS BETWEEN 1953, 1963, AND 1968. OF THE (5) UNITS ONLY (2) ARE OPERATIONAL; UNITS #1 AND #2 WERE RETIRED IN 2003 AND UNIT # 5 WAS RETIRED IN 2004. THE TOTAL FACILITY HAD AN OVERALL CAPACITY OF 640 MW. THE FACILITY WAS ORIGINALLY SUPPORTED BY FUEL OIL AND NATURAL GAS SYSTEMS, BUT THE FUEL OIL WAS DISCONTINUED FROM SERVICE AND THE FACILITY IS CURRENTLY ONLY POWERED BY NATURAL GAS, THE CLEANEST AVAILABLE FOSSIL FUEL.

THE FACILITY CURRENTLY PROVIDES POWER THROUGH UNITS #3 AND #4'S GENERAL ELECTRIC CROSS COMPOUND REHEAT STEAM TURBINES THAT ARE FED ITS STEAM SUPPLY FROM COMBUSTION ENGINEER BOILERS. UNITS #3 AND #4 WERE EQUIPED IN 2002 WITH SELECTIVE CATALYTIC REDUCTION (SCR) MODULES IN ORDER TO LIMIT EMISSIONS TO 7.0 PPM NOX.

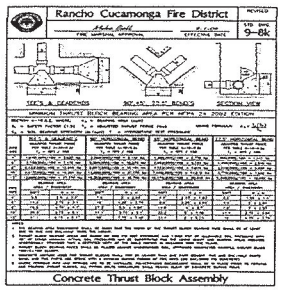
THE ETIWANDA GENERATING STATION UNITS 3 AND 4 WERE RETURNED TO SERVICE ON JULY 5, 2004 IN ORDER TO MEET THE GROWING ELECTRICAL DEMANDS IN CALIFORNIA. THE FACILITY IS LOCATED ALONG KEY TRANSMISSION LINES THAT SUPPORT THE SOUTHERN CALIFORNIA AREA. IN 2003, THE FACILITY WAS ADAPTED TO USE RECLAIMED WATER TO SUPPORT ITS COOLING SYSTEMS. IN USING THE RECLAIMED WATER, THE FACILITY MINIMIZES IT'S NEEDS TO USE WATER FROM THE AQUEDUCT SYSTEM AND THE PLANT'S THREE (3) WATER WELLS; THUS REDUCING THE LOAD ON THE AREA'S WATER SYSTEMS AND SUBSEQUENT IMPACT UPON THE LOCAL ENVIRONMENT. WHILE PROVIDING CRITICAL POWER TO THE COMMUNITY.

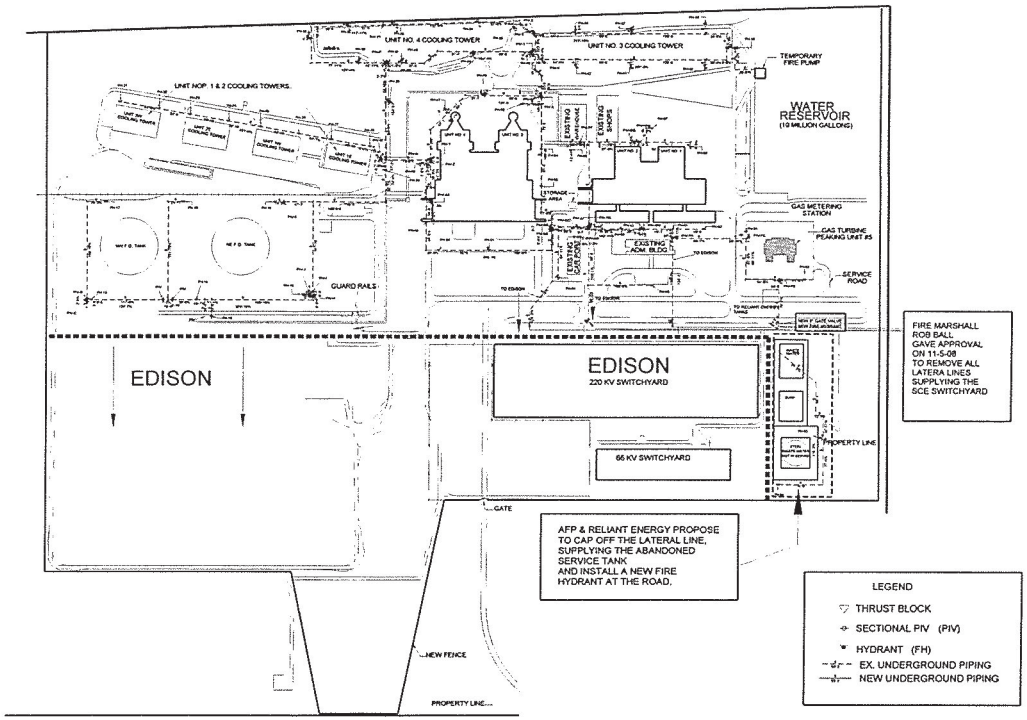
RANCHO CUCAMONGA FIRE DISTRICT
FIRE DEPT. NOTES

All this notes are included on a single sheet in the attached Appendix A and may be reproduced verbatim on your plans.

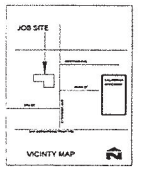
The following notes must appear on All Private Water Plans:

1. The designer assumes responsibility that the piping will be suitable for the working pressure of the sprinkler system including any required fire pump.
2. The private underground fire protection water supply piping has been designed and shall be installed in accordance with NFPA 24 "Standard for the Installation of Private Fire Service Mains and Their Appurtenances", 2002 Edition and RCFPD Standards 9-8, 10-1, 87-2. RCFPD Standards are available at rcfire.org
3. The contractor must obtain a Building permits from FCS for Building and Safety for master meter systems) prior to the excavation of the site and installation on any underground private underground fire protection water supply piping. The approved plans and the job card must be available at the job site during construction and inspection.
4. When a Sprinkler system is required to be monitored, all control valves on the private underground fire protection water supply system must be monitored starting with the control valves of the backflow devices on the public system. Exception: fire hydrant flow valves in any system and sectional float valves in master meter systems.
5. Unlined steel pipe is not permitted in the installation of private underground fire protection water systems, unless specifically listed for such service.
6. Concrete lined Steel pipe approved for installation must be protected with lined polyethylene tube; the ends of the tubes and splices shall be sealed with 2" tape approved for underground use.
7. The pipe shall be installed on a 12" bed of clean fill sand and/or earth. The first 12" of cover shall also be clean fill sand and/or earth. The clean fill cover must be measured from the top of the pipe; the total depth of fill shall be 12" above the pipe. The piping manufacturer's recommendations and/or requirement shall dictate the type of bedding and fill to be used. The fill earth or sand as required to cover the pipe must be on site during the hydrostatic test.
8. The depth of cover shall be a minimum of 30", 36" under driveways and 48" under railroad tracks. Depth of cover is from the top of the pipe to the top of the finish grade.
9. All bolted joint accessories shall be cleaned and thoroughly coated with asphalt or other corrosion retardant material after installation.
10. All piping shall be installed with its fitting markings facing up. The pipe must be exposed for inspection except for center loads. The pipe must be pressurized to 200 psi for at least 2 hours before the inspector appointment.
11. Only ductile iron pipe shall be used under buildings. Pipe under buildings shall terminate a maximum of 18 inches from the exterior wall and six inches above finished floor. A minimum of 2 inches clearance (annular space) shall be provided where the pipe passes through the floor or wall. Reference RCFPD figure 9-8A & 9-1.
12. The contractor is responsible for securing an inspection appointment by calling (909) 477-2713 at least 48 hours in advance.
13. The contractor will be subject to passing re-inspection fees if the work is not ready for inspection; the contractor is not present at the time of inspection or if the work is placed as requiring an excessive amount of rocks to the site.
14. All underground piping and fittings must be thoroughly flushed. FCS shall witness the flush before any connection to the overhead piping. Flushed water must be contained on site.
15. The contractor is responsible for the fire appurtenances painting and the signage installation prior to requesting a final inspection. Do not paint brass and/or moving parts. Painting and signage installation must be in accordance with the appropriate RCFPD Standard.
16. Prior to final acceptance, during the final inspection, the contractor is responsible for conducting a fire flow test of the system in accordance with RCFPD policy to prove that the system is capable of delivering the required fire flow. The contractor must furnish the equipment, personnel and traffic control; FCS will witness the fire flow.









SITE PLAN -NOT TO SCALE

11-04-08 R Zuppiroli

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NOV 14 2008

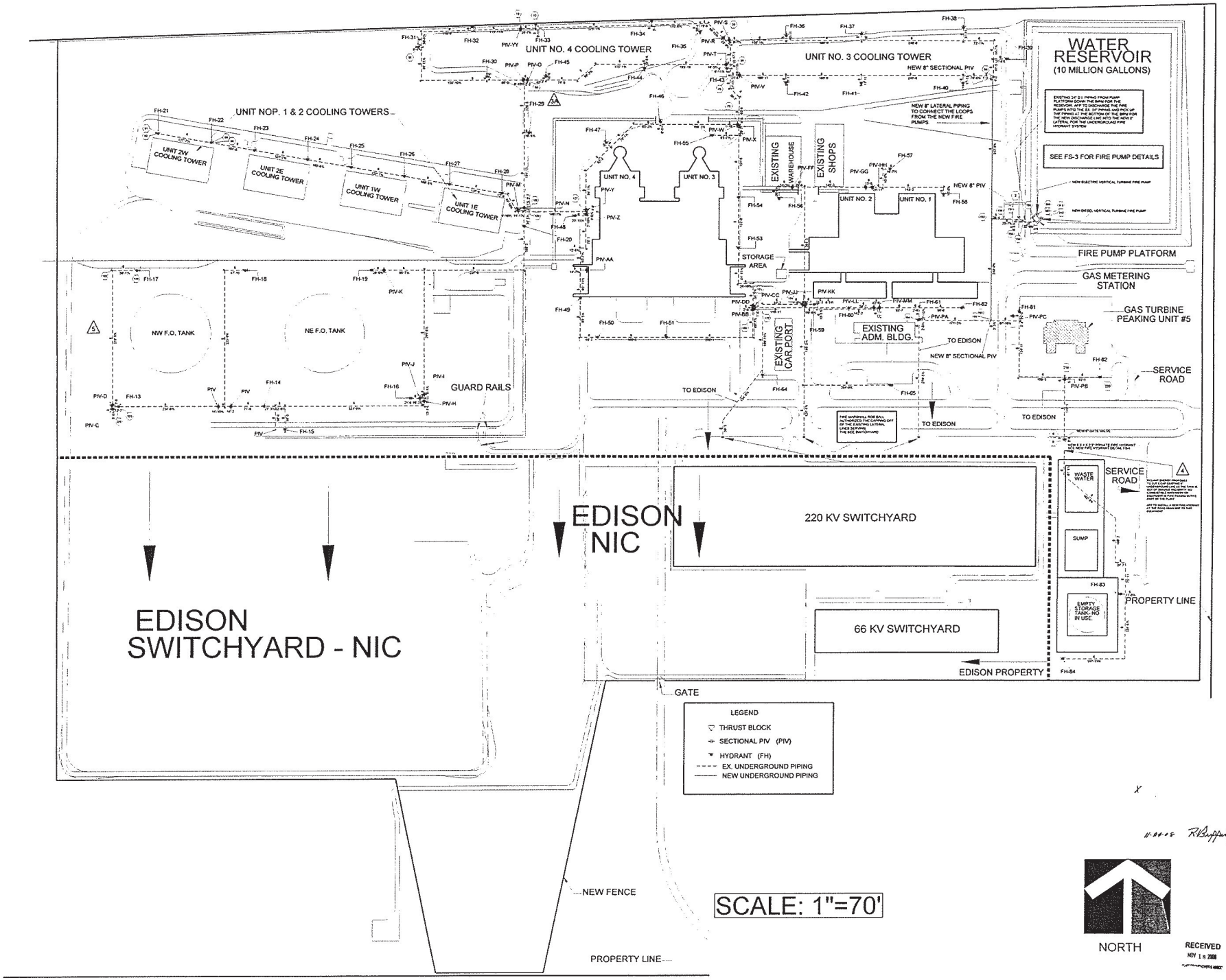
ACTION FIRE PROTECTION
10692 STANFORD AVE. SUITE #B
GARDEN GROVE, CA 90620
Office 888-423-4474 Fax 714-537-7670
CA. Contractors License - C-16 #840831
www.actionfp.com, email: cs@actionfp.com

RELIANT ENERGY
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739

REVISIONS
1 DATE: 08-01-08
2 DATE: 11-01-08
3 DATE:
4 DATE:
5 DATE:

APPROVALS BY:
RANCHO CUCAMONGA FIRE DISTRICT
ACTION FIRE PROTECTION STAMP

SHEET #
FS-1



RECEIVED
NOV 1 n 2008

ACTION FIRE PROTECTION
10692 STANFORD AVE. SUITE #B
GARDEN GROVE, CA 90620
Office 888-423-4474 Fax 714-537-7670
CA. Contractors License - C-16 #948831
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RELIANT ENERGY
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739

REVISIONS	BY	DATE
	CRAIG DURING	04-01-08
	CRAIG DURING	11-01-08

APPROVALS BY
RANCHO CUCAMONGA FIRE DISTRICT

SPRINKLER LEGEND
SYMBOLS | K-FACTOR | ORIFICE | DEGREE | QTY
HEAD COUNT
TOTAL HEADS THIS SHEET

SHEET #
FS-2

SCOPE OF WORK

ACTION FIRE PROTECTION SCOPE OF WORK TO INSTALL (2) NEW 2500 GPM FIRE PUMPS. THESE PUMPS TO BE INSTALLED ON THE EXISTING PUMP PLATFORM ON THE SOUTH WEST CORNER OF THE RESEVOIR. THE NEW PUMPS TO REPLACE THE TEMPORARY FIRE PUMPS SUPPLYING THIS FACILITY.

THE WORK TO INCLUDE A NEW 8" LATERAL UNDERGROUND LINE TO TIE THE UNDERGROUND LOOPS TOGEATHER.
THE UNDERGROUND TO BE INSTALLED PER NFPA 24 AND RANCHO CUCAMONGA FIRE DISCTRICT.

THE FIRE PUMP TO BE INSTALLED PER NFPA 20 AND RANCHO CUCAMONGA FIRE DISCTRICT.

UNDERGROUND GENERAL NOTES

1. ALL UNDERGROUND PIPING TO BE HYDROSTATICALLY TESTED AT 200 P.S.I. FOR 2 HOURS
2. UNDERGROUND PIPING TO BE FLUSHED IN ACCORDANCE WITH NFPA PAM -24 PRIOR TO CONNECTION TO OVERHEAD PIPING.
3. INSTALLATION TO BE PER NFPA PAM -24.
4. PROVIDE CONCRETE THRUST BLOCKS & BOODING AS REQ'D
5. ALL MATERIAL TO BE U.L. & F.M. APPROVED.
6. IDENTIFICATION SIGNS ON EQUIPMENT AS REQUIRED
7. TOP OF P.I.V.'S TO BE SET AT 36" ABOVE FINISHED GRADE
8. ALL PIVS TO BE SECURED WITH BREAKAWAY STYLE LOCKS
9. PIPE CLOSER THAN 10' TO EDISON TO BE DUCTILE IRON
10. ALL EXCESS DIRT TO BE DISPERSED ON JOB SITE
11. ROUTING OF ALL U.G. CONNECTIONS TO BE SURVEYED
12. MINIMUM DEPTH OF 3' FROM FINISHED GRADE TO TOP OF PIPE
13. ALL UNDERGROUND PIPE, VALVES, ETC. SHALL BE COATED AND WRAPPED WITH 8 MIL TAPE
14. ALL UNDERGROUND PIPING SHALL BE VINYLTECH AWWA C900
15. ALL UNDERGROUND PIPE FITTINGS SHALL BE MECHANICAL JOINT.
16. THE RISER TO BE ON THE EXTERIOR OF THE BLDG'S
17. THE FIRE MAIN'S & RISER'S SHALL BE INSTALLED IN COMPLIANCE WITH RANCHO CUCAMONGA FIRE DISTRICT, STANDARDS B-8.

1. THE EX. UNDERGROUND IS 6" & 8" CAST IRON PIPING WITH MJ FITTINGS.
2. ALL FITTINGS FOR THE NEW PIPING TO BE MJ FITTINGS.
3. THE NEW UNDERGROUND PIPING IS 8" CLASS 150 PVC PIPING THAT HAS AN INTERNAL DIAMETER OF 7.98 - C=150.
4. THE NEW SECTIONAL PIV VALVES TO BE MJ X MJ AND THE NEW PIV VALVES TO HAVE BREAKAWAY LOCKS TO SECURE THE VALVES IN THE OPEN POSITION
5. A COPPER GAUGE TRACER WIRE TO BE INSTALLED HORIZONTALLY ON TOP OF THE PIPING. TAPE IS REQUIRED TO BE WRAPPED CICCUMFERENTIALLY AT INTERVALS NOT EXCEEDING 10 FEET
6. THE UNDERGROUND PIPING TO BE 30" TO 36" BURY BELOW GRADE.

FACILITY DESCRIPTION

RRI GENERATING STATION IS A PRIVATE ELECTRICITY GENERATING STATION. THE FACILITY IS COMPRISED OF (5) UNITS THAT WERE COMMISSIONED AT VARIOUS INTERVALS BETWEEN 1953, 1963, AND 1969. OF THE (5) UNITS ONLY (2) ARE OPERATIONAL: UNITS #1 AND #2 WERE RETIRED IN 2003 AND UNIT # 5 WAS RETIRED IN 2004. THE TOTAL FACILITY HAD AN OVERALL CAPACITY OF 640 MW. THE FACILITY WAS ORIGINALLY SUPPORTED BY FUEL OIL AND NATURAL GAS SYSTEMS, BUT THE FUEL OIL WAS DISCONTINUED FROM SERVICE AND THE FACILITY IS CURRENTLY ONLY POWERED BY NATURAL GAS, THE CLEANEST AVAILABLE FOSSIL FUEL

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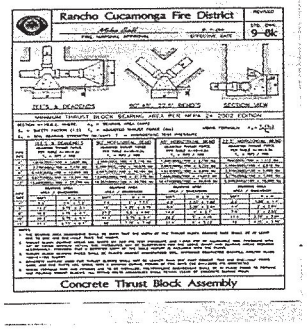
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RANCHO CUCAMONGA FIRE DISTRICT
FIRE DEPT. NOTES

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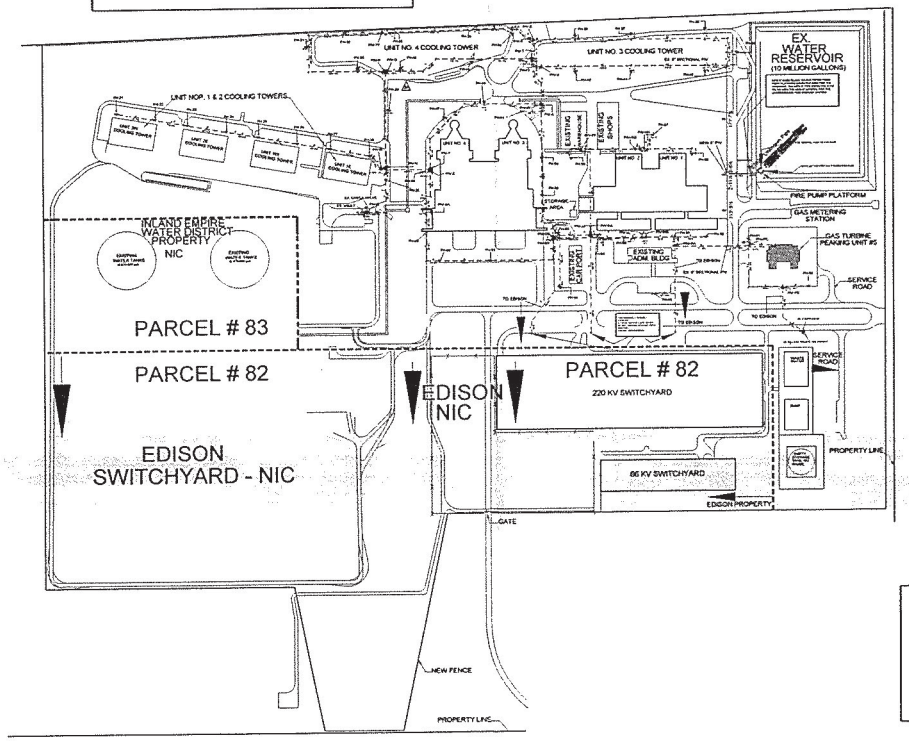
The following notes must appear on all Private Water Plans:

1. The designer assumes responsibility that the piping will be suitable for the working pressure of the sprinkler system including any required fire pump.
2. The private underground fire protection water supply piping has been designed and shall be installed in accordance with NFPA 24 "Standard for the Installation of Private Fire Service Mains and Their Appurtenances", 2002 Edition and RCFPD Standards B-8, B-9-1, B7-2. RCFPD Standards are available at cnfire.org
3. The contractor must obtain a Building permit from FCS (or Building and Safety for master meter systems) prior to the excavation of the site and installation on any underground private underground fire protection water supply piping. The approved plans and the job card must be available at the job site during construction and inspection.
4. When a Sprinkler system is required to be monitored, all control valves on the private underground fire protection water supply system must be monitored starting with the control valves of the back flow devices on the public system. Exceptions: fire hydrant foot valves in any system and sectional foot valves in master meter systems.
5. Unlined steel pipe is not permitted in the installation of private underground fire protection water systems, unless specifically listed for such service.
6. Concrete lined Steel pipe approved for installation must be processed with E-mil polyethylene tube; the ends of the tubes and splices shall be sealed with 2" tape approved for underground use
7. The pipe shall be installed on a 12" bed of clean fill sand and/or earth. The first 12" of cover shall also be clean fill sand and/or earth. The clean fill cover must be measured from the top of the pipe; the total depth of fill shall be 12" above the pipe. The piping manufacturer's recommendations and/or requirements shall dictate the type of bedding and fill to be used. The fill earth or sand as required to cover the pipe must be on site during the hydrostatic test.
8. The depth of cover shall be a minimum of 30", 36" under driveways and 48" under railroad tracks. Depth of cover is from the top of the pipe to the top of the finish grade.
9. All bolted joint accessories shall be cleaned and thoroughly coated with asphalt or other corrosion retardant material after installation.
10. All piping shall be installed with all locking markings facing up. The pipe must be exposed for inspection except for cover loads. The pipe must be pressurized to 200 psi for at least 2 hours before the inspection appointment.
11. Only ductile iron pipe shall be used under buildings. Pipe under buildings shall terminate a maximum of 1 ft inches from the exterior wall and six inches above finished floor. A minimum of 2 inches clearance (annular space) shall be provided where the pipe passes through the floor or wall. Reference RCFPD figure 9-8h & 9-i.
12. The contractor is responsible for securing an inspection appointment by calling (909) 477-2713 at least 48 hours in advance.
13. The contractor will be subject to paying re-inspection fees if the work is not ready for inspection, the contractor is not present at the time of inspection or if the work is parcel in requiring an excessive amount of visits to the site.
14. All underground piping and fittings must be thoroughly flushed. FCS shall witness the flush before any connection to the overhead piping. Flushed water must be contained on site.
15. The contractor is responsible for the fire appurtenances painting and the signage installation prior to requesting a final inspection. Do not paint heads and/or moving parts. Painting and signage installation must be in accordance with the appropriate RCFPD Standard.
16. Prior to final acceptance, during the final inspection, the contractor is responsible for conducting a fire flow test of the system in accordance with RCFPD policy to prove that the system is capable of delivering the required fire flow. The contractor must furnish the equipment, personnel and traffic control; FCS will witness the fire flow.



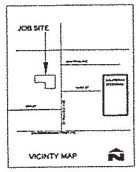
Concrete Thrust Block Assembly

RRI ENERGY
PARCEL # 0229283790000
PARCEL # 1 & # 2



LEGEND
- THRUST BLOCK
- SECTIONAL PIV (PIV)
- HYDRANT (FH)
- EX. UNDERGROUND PIPING
- NEW UNDERGROUND PIPING


NORTH



SITE PLAN & NOTES

DRAWING NOT TO SCALE

ACTION FIRE PROTECTION
10692 STANFORD AVE. SUITE #B
GARDEN GROVE, CA 90620
Office 888-423-4474 Fax 714-537-7670
CA. Contractors License - C-16 #848831
www.actionfp.com, email- ed@actionfp.com

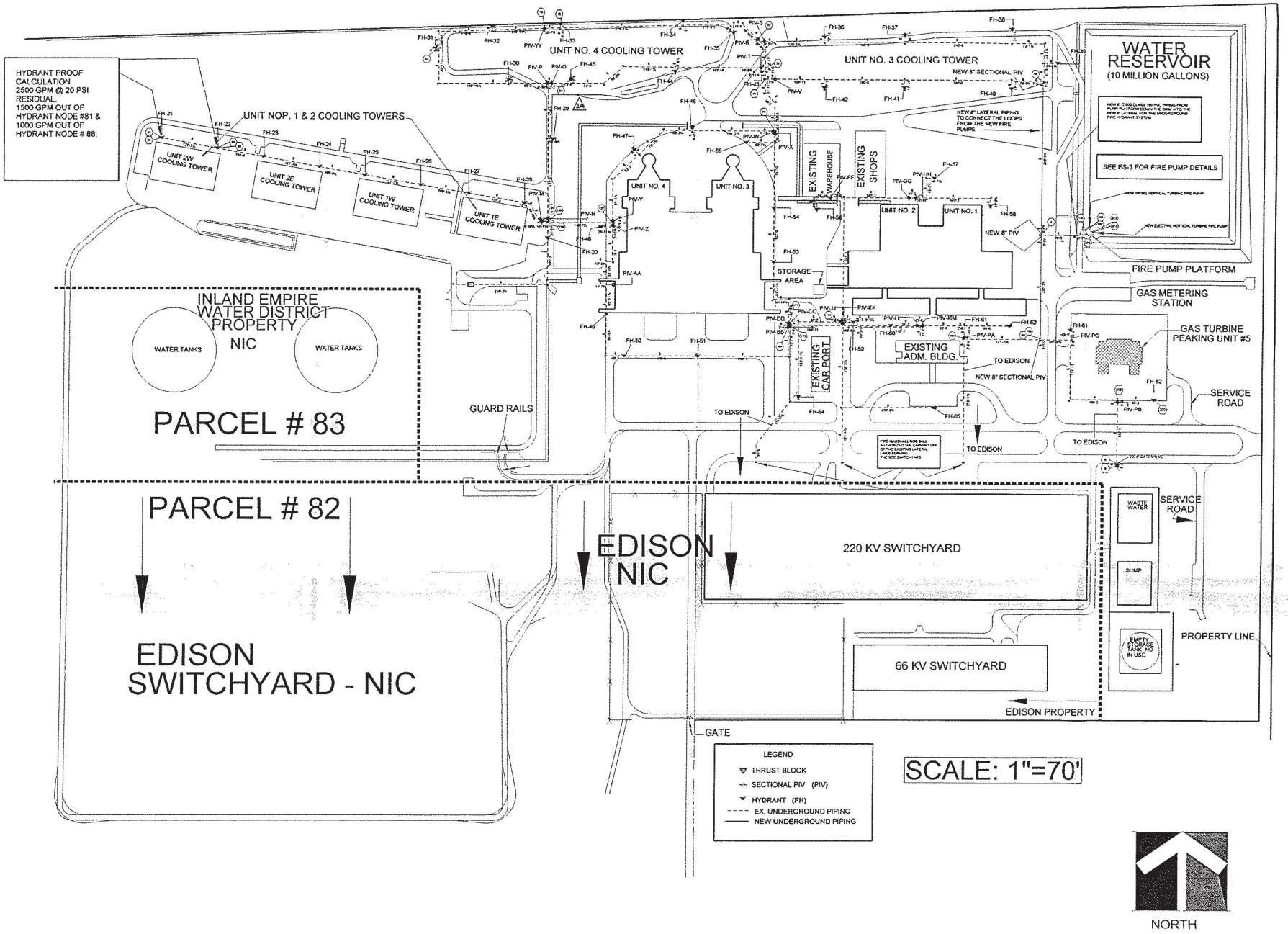
RRI ENERGY
8996 ETIWANDA AVE.
PARCEL #83
RANCHO CUCAMONGA, CA 91739

REVISIONS
1 DATE: 02-23-2010
2 DATE:
3 DATE:
4 DATE:
5 DATE:

APPROVALS BY
RANCHO CUCAMONGA FIRE DISTRICT
ACTION FIRE PROTECTION STAMP

C-16 #848831

SHEET #
FS-1



SITE & UNDERGROUND PLAN - CALCULATIONS

ACTION FIRE PROTECTION
10692 STANFORD AVE. SUITE #B
GARDEN GROVE, CA 90620
Office 888-423-4474 Fax 714-537-7670
CA. Contractors License - C-16 #848831
www.actionfp.com, email- cd@actionfp.com

RRI ENERGY
8996 ETIWANDA AVE.
PARCEL #83
RANCHO CUCAMONGA, CA 91739

SPRINKLER LEGEND
SYMBOLS | K-FACTOR | ORIFICE | DEGREE | QTY | BY | REVISIONS | DATE
HEAD COUNT
TOTAL HEADS THIS SHEET
APPROVALS BY:
RANCHO CUCAMONGA FIRE DISTRICT

SHEET #
FS-2

SCOPE OF WORK

ACTION FIRE PROTECTION SCOPE OF WORK TO CAP OFF THE EXISTING (3) UNDERGROUND LATERALS THAT ARE SUPPLYING THE EXISTING SOUTHERN CALIFORNIA EDISON SWITCHYARDS. SEE ATTACHED LETTER FROM SCE.

THE (3) LATERALS TO BE CAPPED OFF WITH BLANK FLANGES AND ACTION FIRE PROTECTION TO POUR CONCRETE KICKERS OVER THE DEAD END LINE.

UNDERGROUND GENERAL NOTES

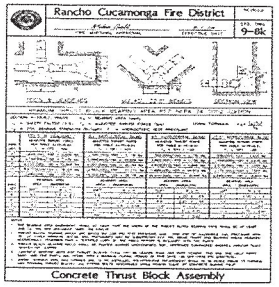
1. ALL UNDERGROUND PIPING TO BE HYDROSTATICALLY TESTED AT 200 P.S.I. FOR 2 HOURS
2. UPON SATISFACTORY TESTING, PIPING TO BE FLUSHED IN ACCORDANCE WITH NFPA 24 PRIOR TO CONNECTION TO OPEN HEAD PIPING
3. INSTALLATION TO BE PER NFPA PAMP. 24
4. PROVIDE CONCRETE THRUST BLOCKS & #3 ODDING AS REQ'D
5. ALL MATERIAL TO BE U.L. & F.M. APPROVED
6. IDENTIFICATION SIGNS ON EQUIPMENT AS REQUIRED
7. TOP OF P.I.V.'S TO BE SET AT 36" ABOVE FINISHED GRADE
8. TAMPER SWITCHES ON VALVES BY APP.
9. PIPE UNDER BUILDING TO BE DUCTILE IRON
10. ALL EXCESS DIRT TO BE DISPERSED ON JOB SITE
11. HYDRANTS, P.I.V.'S, F.D.C.'S, POST INDICATOR PLATES TO BE INSTALLED BY THE GENERAL CONTRACTOR
12. MINIMUM BURY DEPTH OF PIPE TO BE 30" BELOW FINISHED GRADE
13. ALL UNDERGROUND PIPING SHALL BE PAINTED
14. ALL UNDERGROUND PIPING SHALL BE VINYLTECH AWWA C900
15. ALL UNDERGROUND PIPE FITTINGS SHALL BE MECHANICAL JOINT
16. THIS RISER TO BE ON THE EXTERIOR OF THE BLDG'S
17. THE FIRE MAIN'S HYDRANT SPACINGS SHALL BE INSTALLED IN COMPLIANCE WITH RANCHO CUCAMONGA FIRE DISTRICT STANDARDS 9-8
1. THE EX. UNDERGROUND IS 6" & 8" CAST IRON PIPING WITH MJ FITTINGS
2. ALL FITTINGS FOR THE NEW PIPING TO BE MJ FITTINGS
3. THE NEW UNDERGROUND PIPING IS 8" CLASS 150 PVC PIPING THAT HAS AN INTERNAL DIAMETER OF 7.98 - CI 150
4. THE NEW SECTIONAL PIV VALVES TO BE MJ X MJ AND THE NEW PIV VALVES TO HAVE TAMPER SWITCHES TIED INTO THE MONITORED SUPERVISION AS PER FIRE & BLDG CODE
5. A COPPER GAUGE TRACER WIRE TO BE INSTALLED HORIZONTALLY ON TOP OF THE PIPING. TAPE IS REQUIRED TO BE WRAPPED CIRCUMFERENTIALLY AT INTERVALS NOT EXCEEDING 10 FEET
6. THE UNDERGROUND PIPING TO BE 30" TO 36" BURY BELOW GRADE

FACILITY DESCRIPTION

RELIANT ENERGY ETIWANDA GENERATING STATION IS A PRIVATE ELECTRICITY GENERATING STATION. THE FACILITY IS COMPRISED OF (5) UNITS THAT WERE COMMISSIONED AT VARIOUS INTERVALS BETWEEN 1953, 1963, AND 1969 OF THE (5) UNITS ONLY (2) ARE OPERATIONAL, UNITS #1 AND #2 WERE RETIRED IN 2003 AND UNIT # 5 WAS RETIRED IN 2004. THE TOTAL FACILITY HAD AN OVERALL CAPACITY OF 640 MW. THE FACILITY WAS ORIGINALLY SUPPORTED BY FUEL OIL AND NATURAL GAS SYSTEMS. BUT THE FUEL OIL WAS DISCONTINUED FROM SERVICE AND THE FACILITY IS CURRENTLY ONLY POWERED BY NATURAL GAS, THE CLEANEST AVAILABLE FOSSIL FUEL

THE FACILITY CURRENTLY PROVIDES POWER THROUGH UNITS #3 AND #4'S GENERAL ELECTRIC CROSS COMPOUND REHEAT STEAM TURBINES THAT ARE FED ITS STEAM SUPPLY FROM COMBUSTION ENGINEER BOILERS. UNITS #3 AND #4 WERE EQUIPPED IN 2002 WITH SELECTIVE CATALYTIC REDUCTION (SCR) MODULES IN ORDER TO LIMIT EMISSIONS TO 7.6 PPM NOX

THE ETIWANDA GENERATING STATION UNITS 3 AND 4 WERE RETURNED TO SERVICE ON JULY 5, 2004 IN ORDER TO MEET THE GROWING ELECTRICAL DEMANDS IN CALIFORNIA. THE FACILITY IS LOCATED ALONG KEY TRANSMISSION LINES THAT SUPPORT THE SOUTHERN CALIFORNIA AREA. IN 2003, THE FACILITY WAS ADAPTED TO USE RECLAIMED WATER TO SUPPORT IT'S COOLING SYSTEMS IN USING THE RECLAIMED WATER, THE FACILITY MINIMIZES ITS NEEDS TO USE WATER FROM THE AQUEDUCT SYSTEM AND THE PLANT'S THREE (3) WATER WELLS, THUS REDUCING THE LOAD ON THE AREA'S WATER SYSTEMS AND SUBSEQUENT IMPACT UPON THE LOCAL ENVIRONMENT. WHILE PROVIDING CRITICAL POWER TO THE COMMUNITY

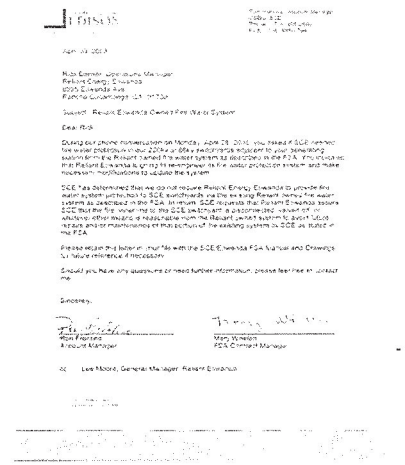


RANCHO CUCAMONGA FIRE DISTRICT FIRE DEPT. NOTES

All the notes are included on a single sheet of the attached Appendix A and may be reproduced as shown on your plans.

The following notes must appear on all Private Water Plans:

1. The designer assumes responsibility that the piping will be adequate for the working pressure of the sprinkler system including any required fire pump.
2. The private underground fire protection water supply piping has been designed and shall be installed in accordance with NFPA 24 "Standard for the Installation of Private Fire Service Mains and Their Appurtenances", 2002 Edition and the UPC Standards 4-6, 10-5, 10-7, 2003 UPC Standards are available at ICBO.org
3. The contractor must obtain a Building permit from DCS or Building and Safety for master meter or sizing plans for the installation of the new and modification of any underground private underground fire protection water supply piping. The approved plans and the job card must be available at the job site during construction and inspection.
4. When a Sprinkler system is required to be monitored, all control valves on the private underground fire protection water supply system must be monitored starting with the control valves at the backflow device on the public system. Exceptions: fire hydrant flow valves in any system and sectional limit valves in master meter systems.
5. Leaded steel pipe is not permitted in the installation of private underground fire protection water systems unless specifically listed F.M. each and use.
6. Concrete lined steel pipe approved for installation must be protected with lined pipe with the ends of the lines and splices shall be sealed with 2" tape approved for underground use.
7. The pipe shall be installed on a 12" bed of clean fill sand and/or earth. The first 12" of cover shall also be clean fill sand and/or earth. The clean fill sand must be measured from the top of the pipe, the total depth of fill shall be 12" above the pipe. The piping manufacturer's recommendations and requirements shall dictate the type of bedding and fill to be used. The fill earth or sand as required to cover the pipe must be in wet during the hydrostatic test.
8. The depth of cover shall be a minimum of 18", 24" under driveways and 48" under valves and risers. Depth of cover is from the top of the pipe to the top of the finish grade.
9. All bolts and accessories shall be cleaned and thoroughly coated with asphalt or other corrosion retardant material after installation.
10. All piping shall be installed with its bell or mechanical facing up. The pipe must be exposed to a temperature high enough to prevent frosts. The pipe must be protected to 200 psi for at least 2 hours before the inspection appointment.
11. Only ductile iron pipe shall be used under buildings. Pipe under buildings shall terminate a maximum of 1ft inches from the exterior wall and not within a wall, finished floor. A minimum 2 inches shall be provided between the pipe and the ground during the thrust as well. Reference the UPC Figure 4-No.6 & 7.
12. The contractor is responsible for securing an inspection appointment by calling (909) 477-2713 at least 48 hours in advance.
13. The contractor will be subject to paying re-inspection fees if the work is not ready for inspection, the contractor is not present at the time of inspection or if the work is found to require all corrections to be made.
14. All underground piping and fittings must be thoroughly flushed at 1.5 times the design flow, but not less than 150 psi for the duration of the hydrant flow.
15. The contractor is responsible to test the aboveground piping and fire water interface prior to requesting a final inspection. Do not paint hydrants or mounting parts. Flexible and rigid joint restraint must be in accordance with the appropriate FM & NFPA standards.
16. Prior to final acceptance, during the final inspection, the contractor is responsible for conducting a flow test of the system in accordance with NFPA 24 to prove that the system is capable of delivering the required fire flow. The contractor must furnish the experienced personnel and traffic control. The test will assess the fire flow.



April 23, 2008

Rob Ball, Fire Protection Manager
Reliant Energy Etiwanda
10500 Etiwanda Ave
Rancho Cucamonga, CA 91730

Subject: Reliant Etiwanda Owned Fire Water System

Dear Rob:

During our phone conversation on Monday, April 28, 2008, you asked if SCE needed the water protection on our 220 kV and 66 kV switchyard equipment to your remaining system since Reliant owned the water system as described in the FDA. You advised that Reliant Etiwanda is going to decommission the water protection system and make necessary modifications to update the system.

SCE has determined that we do not require Reliant Energy Etiwanda to provide fire water system protection to SCE switchyards via the existing Reliant owned fire water system as described in the FDA. At minimum SCE requests that Reliant Etiwanda assure SCE that the fire water line to the SCE switchyard is abandoned (and valved off – shutting other owners or resources from the Reliant owned system to avoid future repairs and maintenance of that portion of the existing system to SCE as listed in the FDA.

Please retain this letter in your file with the SCE Etiwanda FDA Manual and Drawings for future reference if necessary.

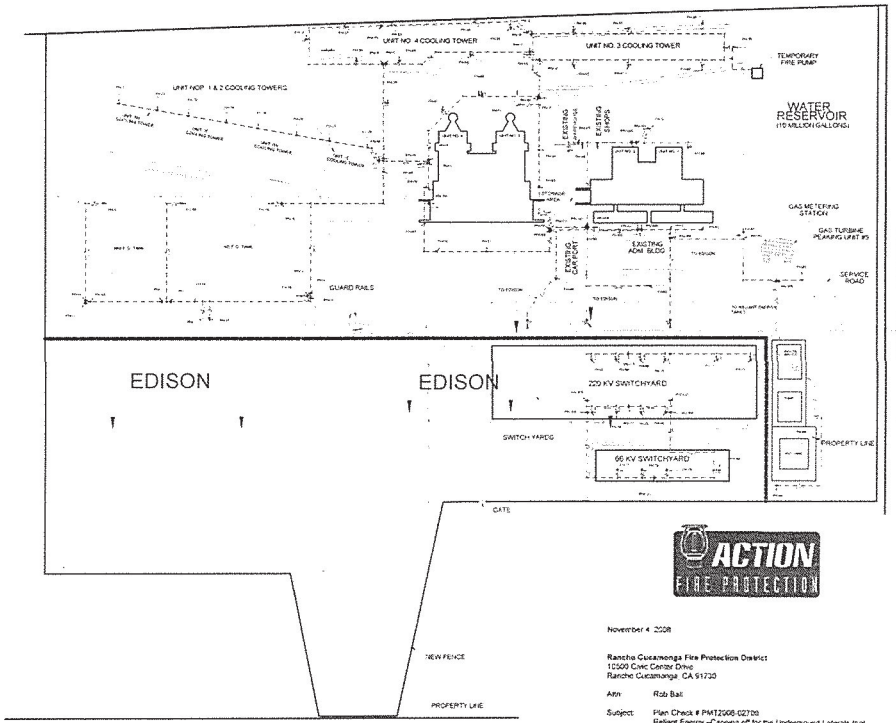
Should you have any questions or need further information, please feel free to contact me.

Sincerely,

Ron Pastena
Project Manager

Mark Wheeler
SCE Contract Manager

cc: Lee Moore, General Manager, Reliant Etiwanda



ALL NON OPERATIONAL ABOVE GROUND EQUIPMENT - (PIV & FIRE HYDRANTS) TO BE REMOVED BY SCE PERSONELL

RELIANT ENERGY REQUESTING TO CAP OFF EXISTING FIRE LINES- SEE LETTER & SHEET FS-2 FOR DETAILS

ACTION FIRE PROTECTION

November 4, 2008

Rancho Cucamonga Fire Protection District
10500 Civic Center Drive
Rancho Cucamonga, CA 91730

Attn: Rob Ball

Subject: Plan Check # PM12008-02708
Reliant Energy –Capping off for the Underground Laterals that supply the SCE switchyard

Pursuant to the plan check correction letter dated 10-16-08,

Question #1- Does capping off the laterals to the switchyard alter the hydraulics of the remaining hydrants?

ANSWER- THE "DEAD END" LATERALS THAT ARE PROPOSED TO BE CAPPED OFF WILL NOT AFFECT THE HYDRAULICS TO THE REMAINING FIRE HYDRANTS FOR THE RELIANT FACILITY. THE EXISTING UNDERGROUND MAINS MEET THE FIRE FLOW REQUIREMENTS FOR THE (2) REMOTE FIRE HYDRANTS

This concludes the response letter as requested by Fire Marshal Rob Ball. Please feel free to call me if you have any questions.

Sincerely

Craig Durand

Craig Durand
Vice President
Action Fire Protection

FIRE SPRINKLER CONTRACTORS • Engineering • Installation • Repairs • Testing
10692 Stanford Ave., Suite B, Garden Grove, CA 92840
(714) 265-0101 • Fax (714) 537-7670 • Lic. C-16 #848831 • www.actionfp.com

SITE PLAN -NOT TO SCALE

ACTION FIRE PROTECTION
10692 STANFORD AVE. SUITE #B
GARDEN GROVE, CA 90620
Office 888-423-4474 Fax 714-537-7670
CA. Contractors License - C-16 #848831
www.actionfp.com, email- cd@actionfp.com

RELIANT ENERGY
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739

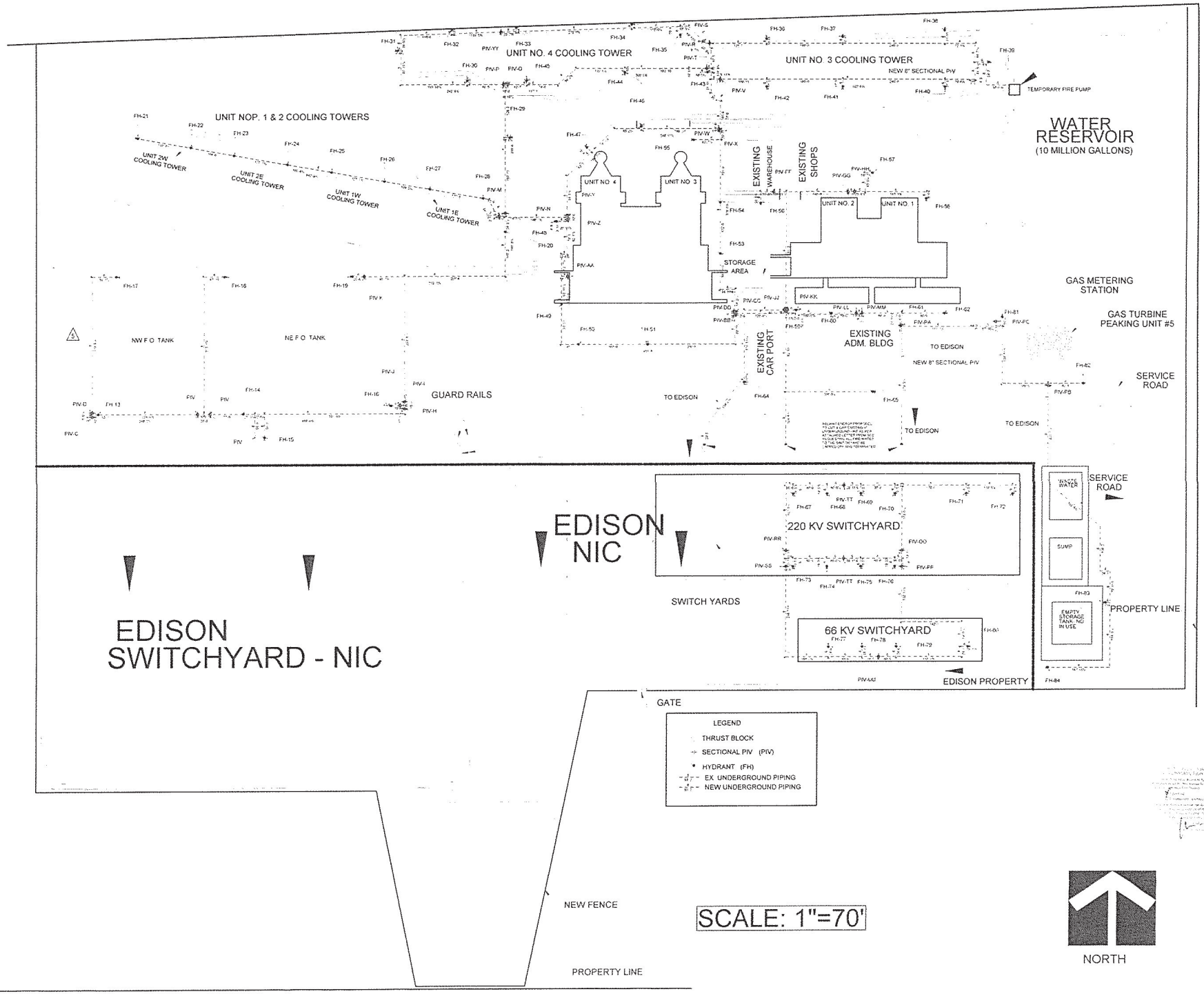
REVISIONS

1	DATE 11-05-08
2	DATE
3	DATE
4	DATE
5	DATE

APPROVALS BY
RANCHO CUCAMONGA FIRE DISTRICT

ACTION FIRE PROTECTION STAMP

SHEET #
FS-1



ACTION FIRE PROTECTION
10692 STANFORD AVE. SUITE #B
GARDEN GROVE, CA 90620
Office 888-423-4474 Fax 714-537-7670
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www.actionfp.com email: cs@actionfp.com

RELIANT ENERGY
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739

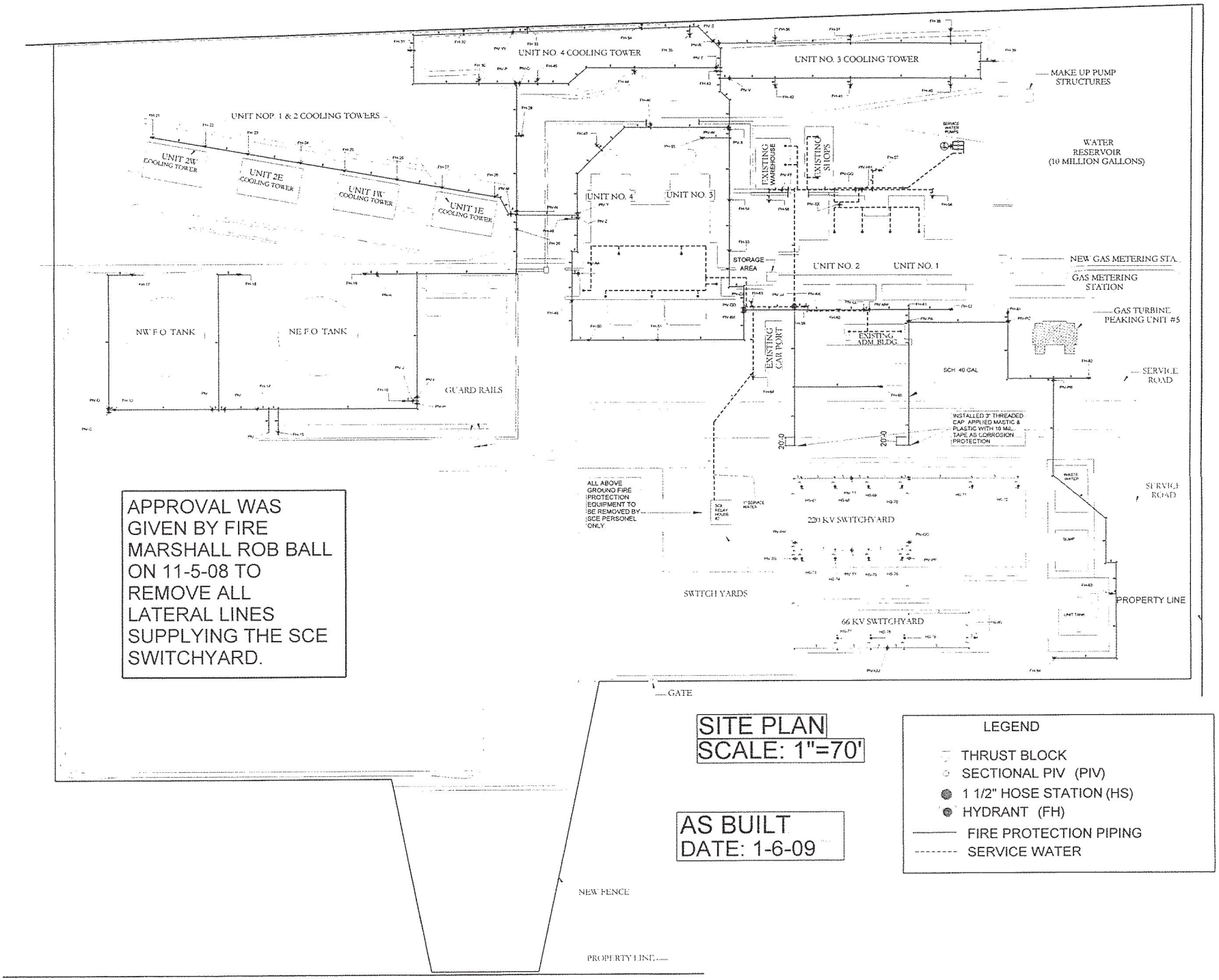
REVISIONS | BY | DATE

SPRINKLER LEGEND | SYMBOLS | K-FACTOR | ORIFICE | DEGREE | QTY | HEAD COUNT

APPROVED BY: RANCHO CUCAMONGA FIRE DISTRICT

TOTAL HEADS THIS SHEET

SHEET #
FS-2



APPROVAL WAS GIVEN BY FIRE MARSHALL ROB BALL ON 11-5-08 TO REMOVE ALL LATERAL LINES SUPPLYING THE SCE SWITCHYARD.

SITE PLAN
SCALE: 1"=70'

AS BUILT
DATE: 1-6-09

LEGEND

- THRUST BLOCK
- SECTIONAL PIV (PIV)
- 1 1/2" HOSE STATION (HS)
- HYDRANT (FH)
- FIRE PROTECTION PIPING
- SERVICE WATER

ACTION FIRE PROTECTION
10692 STANFORD AVE. SUITE #B
GARDEN GROVE, CA 90620
Office 888-423-4474 Fax 714-537-7670
CA. Contractors License - C-16 #840831
www.actionfp.com, email- cd@actionfp.com

RELIANT ENERGY
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739

REVISIONS
1 DATE
2 DATE
3 DATE
4 DATE
5 DATE

APPROVALS BY
ACTION FIRE PROTECTION STAMP

SHEET #
FS-1A

SOUTHERN CALIFORNIA EDISON®
An *EDISON INTERNATIONAL®* Company

August 19, 2002

Mr. Kevin Walton
Rancho Cucamonga Fire Department
P.O. Box 807
Rancho Cucamonga, CA 91729

SUBJECT: INFORMATION REGARDING TANK DECOMMISSIONING
EPTC – ETIWANDA TANK FARM
SOUTHERN CALIFORNIA EDISON COMPANY

Dear Mr. Walton:

As discussed, Southern California Edison Company (SCE) demolished and removed four oil storage tanks and associated equipment, located at 8996 Etiwanda Avenue (EPTC – Etiwanda Tank Farm) in 2001. The site was graded and restored to a uniform grade. The Santa Ana Regional Water Quality Control Board was the lead agency that provided oversight with the soil sampling and stormwater activities.

Per your request, enclosed are the documentation and correspondence related to the decommissioning of these facilities.

- Attachment #1 is SCE's correspondence with the Santa Ana Regional Board including the final verification report regarding the soil investigations.
- Attachment #2 is the correspondence from the Regional Board concluding that no further action is necessary related to this project.
- Attachment #3 is the correspondence from the Regional Board acknowledging the termination of coverage under the general NPDES permit to discharge stormwater associated with construction activity.

In addition, when SCE entered into a contract with the environmental services/demolition contractor, Sevenson Inc., SCE specified that they would be responsible for the final disposition of the tank and piping materials, either reusing or recycling the materials. I do not have the information regarding how Sevenson Inc. handled the materials, but can research it further if you need this information.

Please contact me at (626) 302-8863 if you have any additional questions or requests.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
PROJECT MANAGER

Enclosures

P.O. Box 800
2131 Walnut Grove Ave.
Rosemead, CA 91770

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL℠ Company

Attachment #1

March 20, 2001

Mr. Edward Kashak
Engineering Geologist
Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3339

SUBJECT: FINAL REPORT ON VERIFICATION TESTING
ETIWANDA TANK FARM
SOUTHERN CALIFORNIA EDISON COMPANY

Dear Mr. Kashak:

On March 6, 2000, Southern California Edison Company (SCE) submitted a Sampling & Analysis Plan and Project Overview for the tank decommissioning project located at SCE's Etiwanda Fuel Oil Facility (8998 Etiwanda Avenue, Rancho Cucamonga). As part of that project, SCE sought Regional Board approval for the workplan outlining the investigation and excavation of soils beneath the four aboveground tanks scheduled to be removed. On April 17, 2000, the Santa Ana Regional Board approved the workplan.

The four tanks have now been demolished and removed from the facility. Contaminated soils have been removed and verification sampling has been conducted to confirm that the remaining soils met the prescribed Regional Board guidance, that the total petroleum hydrocarbon levels were less than 100 ppm. This final report summarizes all the activities related to the remediation work including a table of the results from the sampling, the laboratory analytical results and the Certificate of Recycling. You have previously received the raw analytical data as the verification sampling was being conducted and this report now tabulates and summarizes all of the information.

This report is being submitted in order to obtain closure for the site from the Santa Ana Regional Water Quality Control Board. If you have any questions regarding our activities, please contact me at (626) 302-2153.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
ENVIRONMENTAL SPECIALIST

Enclosure

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

bcc: J. Peterson
Z. Ahmad
M. Kromelow
G. Hawkins

FINAL REMEDIATION REPORT
STATION FUEL OIL FACILITIES
ETIWANDA TANK FARM DECOMISSIONING

By

ENGINEERING & TECHNICAL SERVICES
SOUTHERN CALIFORNIA EDISON COMPANY
SAN DIMAS, CALIFORNIA

MARCH 2001

1.0 INTRODUCTION

This Southern California Edison (SCE) Final Remediation Report (FRR) documents the confirmation soil sampling activities that were conducted as part of the demolition of station fuel oil facilities adjacent to the Etiwanda Generating Station formerly owned by SCE.

The scope of the confirmation soil sampling activities included:

- collection and analysis of samples of soil materials beneath the footprint of each tank following demolition and removal of the tank;
- collection and analysis of samples of soil materials within the basin that appeared to have concentrations of petroleum products higher than approved limits;
- removing and recycling all soil materials identified by laboratory analysis to have higher than approved limits;
- verification sampling of areas where soil materials were removed to insure compliance with approved levels of cleanup at the site.

All sampling and remediation was conducted under the direction of an Edison Environmental Representative, and, in accordance with Santa Ana Regional Water Quality Control Board (RWQCB)-approved methods and with the Sampling and Analysis Plan and Quality Assurance Project Plan (SAP/QAPP) prepared by SCE. On April 17, 2000, the Santa Ana RWQCB approved SCE's SAP. Environmental inspection began on about May 9, 2000 and extended until September 21, 2000. Periodically, representatives of the Santa Ana Regional Board were on-site to view the sampling and demolition activities.

All sampling was limited to soil. Groundwater was not encountered during the demolition of the fuel oil tanks.

2.0 PROJECT DESCRIPTION

The project, located at 8996 Etiwanda Avenue, Etiwanda, California 91739, included the demolition and removal of four Oil Storage Tanks - West Center, East Center, South East and South West, associated fuel oil pipelines, and about 1800 feet of Waste Water line. The site was regraded and restored to a uniforml grade. During the demolition, soil samples were collected and analyzed as part of the verification process to insure that all petroleum-contaminated soil was removed.

Approximately 2518.38 tons of petroleum-impacted soil were removed from the site and shipped to the Glen Helen Recycling Facility, Devore, California. The attached certificate (Appendix 3) confirms the volume of material shipped and recycled.

3.0 RELATED SITE REPORTS

The areas associated with the proposed remediation were described in detail in the following reports. These reports provided the basis for the scope of site remediation. Copies of these reports have already been made available to the various agencies; however, additional copies will be provided upon request.

- Report of Baseline Tank Study, South East, South West, and Distillate Above Ground Oil Storage Tanks, dated August 31, 1995
- Report of Baseline Environmental Study, West Center and East Center Tanks, dated December 29, 1997;
- Report of Addendum No. 1, Baseline Environmental Study, Southeast, Southwest and Distillate Tanks, dated November 10, 1997;
- Report of Addendum No. 2, Site Remediation and Verification Sampling Results, Southwest, Distillate, and East-Center Tanks, dated June 10, 1998;
- Phase I Environmental Site Assessment Report by ARCADIS Geraghty & Miller, dated March 19, 1999;
- Phase II Environmental Site Assessment Report by Geraghty & Miller, dated June 6, 1997;
- Phase I Environmental Site Assessment Report for EPTC-Etiwanda by ARCADIS Geraghty & Miller, dated March 2000.
- Sampling and Analysis Plan and Quality Assurance Project Plan (SAP/QAPP), Etiwanda Fuel Oil Facilities, by Southern California Edison Company, dated May 2000.

4.0 PROJECT REMEDIATION

4.1 Tank Area Remediation

Each tank was demolished and the bottom plates removed which, then, exposed the earth materials beneath the tank. The materials exposed included crushed gravel ranging in size from 3/8" to ¾" in diameter. Much of the upper 6" to 12" of material had a surface coating which appeared as a black staining, but, with no petroleum odor. Samples of the material were collected and sent to the approved laboratory for testing. The results indicated that the aggregate contained petroleum hydrocarbon at less than 60 ppm. On this basis, the materials were approved and were utilized in the fill and as road base within the project.

When all the aggregate was removed from area beneath the tank, verification sampling was performed on the exposed soil. Samples varied in number from 5 to 8 per tank site, and varied in depth from a few inches to up to one foot deep. All samples collected in the soil were below the Soil Screen Levels discussed in the SAP/QAPP, Section 3.7. Table 1 is a summary of all samples taken at the site.

4.2 Containment Basin Area Remediation

South West Tank Basin

There were two areas within the basins which required additional soil remediation. Both areas were within the South West Tank basin. The southwest corner of the South West Tank basin had about 6 to 8 inches of petroleum-contaminated soil which extended for about a fifty-foot radius. The material was removed to about 8 inches deep and the area tested for verification. The test, SW17B, indicated NON-DETECT (ND).

The second area, at the northwest portion of the South West Tank, required additional remediation. At this location, the contractor had cut a large access doorway into the side of the tank. The purpose for the door was to clean out residual fuel oil from inside the tank. In order to clean out the tank, the contractor constructed a 10-foot deep hole outside the doorway and partially buried a Baker Tank. After the fuel oil tank was cleaned out, and the Baker Tank removed, the hole was sampled to verify that no fuel oil was accidently spilled into the soil. However, after the verification testing was completed, the contractor inadvertantly spilled a small quantity of fuel oil into the open excavation before it could be refilled. As a consequence, the contractor had to clean out the newly contaminated soil, and the hole retested. The retests, SW2-10 and SW2-10A, taken in the same location and approximate depths as SW18B and SW19B, were ND and the hole was backfilled.

4.3 Fuel Oil and Waste Water Pipelines

4.3.1 Fuel Oil Pipelines

Four additional areas inside the basins were remediated: Each area was associated with a fuel oil pipeline penetration through the berms. These included: The northeast corner of the West Center tank, the northwest corner of the East Center tank, the northeast corners of the South West Tank basin, and the northwest and southwest corners of the South East Tank basin. In each corner, fuel oil leaked from the pipeline as it was being demolished. Once the pipeline was removed, the contractor (under the supervision of the Edison Environmental Representative [EER]) excavated the contaminated material until clean material was reached. Then verification sampling was performed within the clean material. The tests included: WC22, 23-12, 24-9; EC22-9, 23-8; SW 17, 18; and, SE 24 and 25. These tests were all ND. In cases where the depth of removal exceeded two feet, the sample is identified as to the depth of the sampling. For example, Sample No. WC23-12 was taken at the West Center Tank location number 23 at a depth of about 12 feet below the reference grade. In each case, any petroleum odor or staining was 'chased' both vertically and laterally and removed from the project site until the soil appeared to be clean. At that point, verification sampling was performed.

4.3.2 Waste Water Line

About 1800 linear feet of 8" diameter polyethylene waste water line extended around the southern and western portion of the project site. This pipe line was removed and the trench tested in accordance with the SAP/QAPP. Ten samples, WW1 through WW10 were collected at intervals from less than 100 feet apart to about 400 feet apart. The results were all ND. The trench was backfilled at the conclusion of the testing.

5.0 ANALYTICAL TEST RESULTS

The analytical laboratory testing results are summarized in Appendix 1, Table 1 and are attached in Appendix 2, Attachment III. All sampling was performed in accordance with the SAP/QAPP, Sections 3.0 and 4.0. Appendix 3 contains the Certificate of Recycling

6.0 CONCLUSIONS

All soil sampling analytical results were compared to screening criteria developed by the Santa Ana RWQCB for TPH-diesel of 100 mg/kg. Any materials found to exceed this criteria were removed from the project site and sent to an approved recycling facility.

Verification soil sampling and testing was conducted beneath the tanks, within the tank basins, at the pipeline penetration sites for each tank and at any location where there was a potential for fuel oil materials. Based on the analytical laboratory testing and on field inspections, all petroleum-contaminated soils and materials were removed from the project site.

It should be noted that all information contained in this report is based on laboratory testing results performed on samples obtained during the demolition and on site observations and inspections as indicated. No other representations, either expressed or implied, is included in the report.

Respectfully submitted,

Zaid Ahmad, P.E.
Lead Engineer
Civil/Structural/Geotechnical Group
Engineering & Technical Services
Southern California Edison

H. Gene Hawkins
Consulting Engineering Geologist,
CEG #952

APPENDIX 1

TABLE 1 - SUMMARY OF FIELD TESTS AND LABORATORY RESULTS

TABLE 1 – Summary of Field Tests and Laboratory Results

Sample Number	Date	Location	Test Type	Results, ppm	Notes
WC17	05/26/2000	West Center Tank	8015M/DHS	ND	
WC18	05/26/2000	West Center Tank	8015M/DHS	ND	
WC19	05/26/2000	West Center Tank	8015M/DHS	ND	
WC20	05/26/2000	West Center Tank	8015M/DHS	ND	
WC21	05/26/2000	West Center Tank	8015M/DHS	ND	
WC22	06/12/2000	WC Pipeline Penetration	8015M/DHS	4080	
WC23-12	07/05/2000	WC Pipeline Penetration	8015M/DHS	ND	Retest of WC22
WC24-9	07/05/2000	WC Pipeline Penetration	8015M/DHS	ND	Retest of WC 22
EC17	06/12/2000	East Center Tank	8015M/DHS	ND	
EC18	06/12/2000	East Center Tank	8015M/DHS	ND	
EC19	06/12/2000	East Center Tank	8015M/DHS	ND	
EC20	06/12/2000	East Center Tank	8015M/DHS	ND	
EC21	06/12/2000	East Center Tank	8015M/DHS	ND	
EC22-9	07/05/2000	EC Pipeline Penetration	8015M/DHS	61	Value below Screening Levels
EC23-8	07/05/2000	EC Pipeline Penetration	8015M/DHS	ND	
SE16	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE17	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE18	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE19	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE20	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE21	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE22	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE23	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE24	08/01/2000	SE Pipeline Penetration	8015M/DHS; TPH/Gasoline	ND	
SE25	08/01/2000	SE Pipeline Penetration	8015M/DHS; TPH/Gasoline	ND	

TABLE 1 – Summary of Field Tests and Laboratory Results (cont'd)

Sample Number	Date	Location	Test Type	Results, ppm	Notes
SW17	07/14/2000	SW Pipeline Penetration	8015M/DHS; TPH/Gasoline	188	
SW17B	08/01/2000	SW Tank Basin	8015M/DHS	ND	
SW18	08/01/2000	SW Pipeline Penetration	8015M/DHS; TPH/Gasoline	ND	Retest of SW17
SW18B	07/14/2000	SW Baker Tank Hole	8015M/DHS	ND	
SW19	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW19B	07/14/2000	SW Baker Tank Hole	8015M/DHS	ND	
SW2-10	07/19/00	SW Baker Tank Hole	8015M/DHS	ND	Retest of Baker Tank Hole
SW2-10A	07/19/00	SW Baker Tank Hole	8015M/DHS	ND	Retest of Baker Tank Hole
SW20	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW21	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW22	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW23	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW24	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW25	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW26	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
WW1	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW2	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW3	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW4	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW5	08/22/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW6	08/23/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW7	08/24/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW8	08/25/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW9	08/26/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW10	08/27/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	

APPENDIX 2

SUBSURFACE SOIL INVESTIGATION REPORT
ETIWANDA TANK FARM DECOMISSIONING PROJECT

by

LEYMASTER ENVIRONMENTAL CONSULTING, LLC

OCTOBER 10, 2000

Leymaster Environmental Consulting, LLC

5500 E. Atherton St.
Suite 227 A
Long Beach, CA 90815

Office: (562) 799-9866
Fax: (562) 799-1963
LeymasterEC@cs.com

October 10, 2000

Mr. Gene Hawkins
855 West 10th Street
Claremont, CA 91711

Re: Subsurface Soil Investigation Report
Southern California Edison
Etiwanda Tank Farm Decommissioning Project
8996 Etiwanda Avenue
Etiwanda, California 91739

Dear Mr. Hawkins:

Please find enclosed the results of the subsurface soil investigation for the above-referenced site. No further investigation is required based on the scope of work and the final analytical results.

If you should have any questions, please feel free to give me a call.

Sincerely,

Mark Leymaster

Mark Leymaster, REA II

Attachment

CC: John B. DiMeceli

2/2/01

SUBSURFACE SOIL INVESTIGATION REPORT
Southern California Edison
Etiwanda Tank Farm Decommissioning Project
8996 Etiwanda Avenue
Etiwanda, California 91739

INTRODUCTION

Southern California Edison contracted with Sevenson Environmental Services, Incorporated (Sevenson) to remove four above ground fuel oil storage tanks from the Etiwanda generating station facility located at 8996 Etiwanda Avenue, Etiwanda, California (See Attachment I - Vicinity Map). Targhee, Incorporated and Leymaster Environmental Consulting, LLC provided verification soil sampling to Sevenson as outlined in the Sampling and Analysis Plan and Quality Assurance Project Plan (SAP/QAPP). Eight soil sampling events occurred at the facility between the dates of May 26, 2000 and September 20, 2000.

The purpose of the investigation was to aid in determining if any significant impact to the subsurface had occurred due to the past use of the four fuel oil storage tanks (identified as West Center, East Center, Southwest and Southeast) and a buried waste water pipe that ran along the west and south edge of the tank farm.

SOIL SAMPLING PROCEDURE

Soil samples were retrieved after notification by Sevenson that a tank and the associated flooring material had been removed. The soil sample locations were marked and identified. The sample locations were determined by identifying soil that appeared to contain hydrocarbons by sight or smell, depressed areas, or random spreading of the samples. The soil samples were taken with a shovel after removing the top two to six inches of soil from the surface. The soil was then placed in a laboratory-supplied sterol four-ounce glass jar. A label with the date, time of sampling, sample identification, site location, and analysis required was then placed on the jar. The sample was then placed into a Ziploc baggy inside a cooler with ice to preserve the sample at approximately four degrees Celsius.

The shovel was washed in a solution of non-phosphate detergent, rinsed in clean water in a second bucket and finally rinsed in a third bucket with clean water. This three-stage process was performed to ensure that no contamination was introduced into the sample from the shovel.

The sample was entered onto a Chain-of-Custody document and delivered on the same day of sampling to American Scientific Laboratories, Incorporated, a state-certified laboratory for analysis. Each time responsibility for custody of the sample changed, the receiving and relinquishing custodians signed the record and denoted the date and time. All signatures related to sample custody were made in ink. One or more signatures were entered to identify the person or persons who were collecting the samples. Each time the custody of a sample or group of samples was transferred, a signature, date, and time was required to document the transfer. The laboratory signed for the receipt of the sample, kept a copy, and returned the original form to Leymaster Environmental Consulting, LLC.

The sample locations were then surveyed after retrieval of the soil samples to assist in relocating if necessary in the future. This was done by either surveying or measuring the locations with a tape measure or Rolatape. All locations were measured with respect to the Metropolitan Water District Benchmark, UF201 dated 1994 (See Attachment II Site Plot Plan). This benchmark is located near the west side of the pumping station that is north of the former tank locations.

The sample identification method used on the previous soil sampling of the four tanks and bermed areas was continued. The west center tank had soil samples WC17 through WC21 taken beneath the tank; the east center tank had soil samples EC17 through EC21 taken beneath the tank; the southwest tank had SW19 through SW26 taken beneath the tank; and the southeast tank had SE16 through SE23 taken beneath the tank. Soil samples WW1 through WW10 were taken beneath the wastewater pipeline.

In addition, soil samples WC22, WC23-12, WC24-9, EC22-9, EC23-8, SW17, SW18, SW17B, SW18B, SW19B, SE24, and SE25 were taken due to suspected contamination discovered during the demolition of the tanks and underground piping.

Soil samples WC22 and WC23-12 were taken at the same location except that WC23-12 was taken after approximately 12 feet of soil were excavated. Similarly, soil samples WC24-9, EC23-8 and EC22-9 were taken after approximately eight to nine feet of soil had been removed from the surface.

All of the samples were analyzed for Total Petroleum Hydrocarbons by EPA Method 8015 modified for Department of Health Services Leaking Underground Fuel Tank methodologies. These

methods break the hydrocarbon chain into three categories: C_4 to C_{12}, C_{13} to C_{22}, and C_{22+}. C_4 to C_{12} is an indication of hydrocarbons in the gasoline range, C_{13} to C_{22} indicates the presence of hydrocarbons in the diesel range, and C_{22+} indicates the heavier hydrocarbons associated with oils.

ANALYTICAL RESULTS

The analytical results (See Attachment III - Analytical Results) were all none detected except for WC22, EC22-9 and SW17B. The detection limits were one part per million (ppm).

The analytical results for soil sample WC22 were none detected except for 4,080 ppm of hydrocarbons in the C_{13} to C_{22} range. The analytical results of a subsequent lower soil sample (WC23-12) taken after excavation of approximately 12 feet of soil were none detected for all hydrocarbon ranges.

The analytical results for soil sample EC22-9 were none detected except for 61 ppm of hydrocarbons in the C_{13} to C_{22} range.

The analytical results for soil sample SW17B were none detected except for 188 ppm of hydrocarbons in the C_{22+} range.

CONCLUSIONS

This investigation was an attempt to determine if any significant environmental impact had occurred to the subsurface due to the past use of the four fuel oil storage tanks (identified as West Center, East Center, Southwest and Southeast) and a buried waste water pipe that ran along the west and south edge of the tank farm.

The sampling locations were selected to give a reasonable assurance that no major contamination has occurred at the subject site in these areas.

The hydrocarbon results were compared to Soil Screening Levels published by the Los Angeles Region of the California Regional Water Quality Control Board in their May 1996 Interim Site Assessment & Cleanup Guidebook (Los Angeles RWQCB 1996). Although these levels have not been promulgated, and would not necessarily apply to this site if they were, because it is not in the Los Angeles Region of the CRWQCB, they have been used for this

evaluation because they provide conservative screening criteria for evaluation of total petroleum hydrocarbons results.

The Los Angeles Regional Water Quality Control Board's May 1996 Guidebook indicates that the most stringent screening concentration for hydrocarbons with gravel lithology and with groundwater less than 20 feet below the surface is 100 ppm for hydrocarbons in the C_{13} to C_{22} range and 1,000 ppm for hydrocarbons in the C_{22+} range.

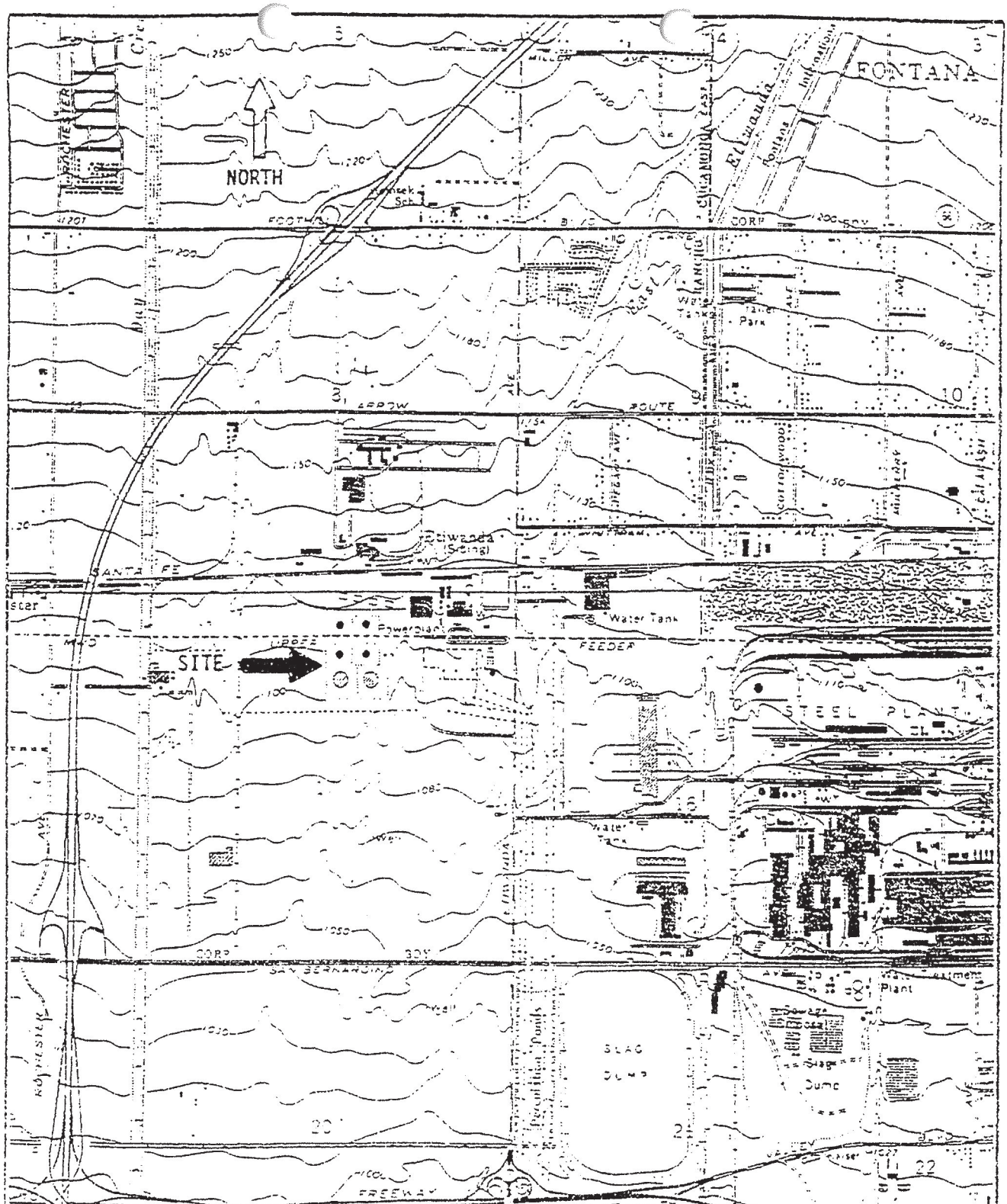
These guideline concentrations are higher than the analytical result for soil sample EC22-9 of 61 ppm of hydrocarbons in the C_{13} to C_{22} range and the analytical result of 188 ppm for soil sample SW17B in the C_{22+} range.

The excavation of approximately 12 feet of soil beneath soil sample WC22 had obviously removed the hydrocarbons as evidenced by the analytical results of none detected for soil sample WC23-12.

The analytical results of the samples from this investigation do not indicate any significant environmental impact. No further investigation is recommended for these areas.

ATTACHMENT I

VICINITY MAP



Location: ETIWANDA GENERATING STATION

VICINITY MAP

Base: USGS Topo Sheet, 7.5 Minute Series, Gausti Quad, Revised 1981

SOUTHERN CALIFORNIA EDISON An EDISON INTERNATIONAL Company

Scale: 1"=2000'

FIGURE 1

ATTACHMENT III

ANALYTICAL RESULTS

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages 2
Date Received 05/26/2000
Date Reported 06/05/2000

Job Number	Ordered	Client
8150	05/26/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga

Enclosed are the results of analyses on 5 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB# 8150

Company: TARGHEE, INC
Address: 110 PINE AVE #
LONG BEACH, CA 90802
Telephone
Fax (562) 435-8050
Special Instruction:

Project Name: SCE-ETIWANDA
Site Address: 8996 ETIWANDA AVE
RANCHO CUCAMONGA
Project ID: SCE-ETIWANDA
Project Manager: M. LEYMASTER

Report To: M. LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8015-M diesel, 1 Carbon Chain ID	Remarks
1	51968	WC17	5/26/00	11:26	1	4oz glass w/Teflon	Soil	4°C	✓	
2	51969	WC18	5/26/00	11:41	1	"	Soil	4°C	✓	
3	51970	WC19	5/26/00	11:30	1	"	Soil	4°C	✓	
4	51971	WC20	5/26/00	11:35	1	"	Soil	4°C	✓	
5	51972	WC21	5/26/00	11:20	1	4oz glass w/Teflon	Soil	4°C	✓	

Collected By: [signature] Date 5/26/00 Time 12:00
Relinquished By: Date Time
Relinquished By: [signature] Date 5/26/00 Time
Received For Laboratory [signature] Date 5/26/00 Time 3:30 pm

TAT
[X] Normal
[ ] Rush

Condition of Sample:

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8150	05/26/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 060200-1

Our Lab I.D.		51968	51969	51970	51971	51972
Sample ID		WC17	WC18	WC19	WC20	WC21
Date Sampled		05/26/2000	05/26/2000	05/26/2000	05/26/2000	05/26/2000
Date Extracted		06/02/2000	06/02/2000	06/02/2000	06/02/2000	06/02/2000
Preparation Method						
Date Analyzed		06/02/2000	06/02/2000	06/02/2000	06/02/2000	06/02/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		51968	51969	51970	51971	51972
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	104	120	104	109	105

QUALITY CONTROL REPORT

Batch No: 060200-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	100	97	3.0	75-120	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

RECEIVED
JUN 2 6 2000
TARGHEE, INC

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages 3
Date Received 06/12/2000
Date Reported 06/20/2000

Job Number	Ordered	Client
8273	06/12/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga, CA

Enclosed are the results of analyses on 6 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions.

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2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8273

Company: TARGHEE INC
Address: 110 PINE AVE #925
LONG BEACH, CA 90802
Telephone/Fax: (562) 435-8080
Special Instruction:

Project Name: SCE ETIWANDA
Site Address: 8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
Project ID: SCE-ETIWANDA
Project Manager: M. LEYMASTER

Report To: M. LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	5015M - diesel	Carbon Chain ID	Remarks
1	52680	WC 22	6/12/00	8:05	1	40z glass w/Teflon	Soil	4°C	✓		
2	52681	EC 17		8:46	1				✓		
3	52682	EC 18		8:43	1				✓		
4	52683	EC 19		8:40	1				✓		
5	52684	EC 20		8:33	1				✓		
6	52685	EC 21	6/12/00	8:25	1	40z glass w/Teflon	Soil	4°C	✓		

Collected By: [signature] Date 6/12/00 Time
Relinquished By: Date Time
Relinquished By: [signature] Date 6/12/00 Time
Received For Laboratory: [signature] Date 6/12/00 Time 3:00

TAT
[X] Normal
[ ] Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8273	06/12/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 061600-1

Our Lab I.D.		52681	52682	52683	52684	52685
Sample ID		EC17	EC18	EC19	EC20	EC21
Date Sampled		06/12/2000	06/12/2000	06/12/2000	06/12/2000	06/12/2000
Date Extracted		06/16/2000	06/16/2000	06/16/2000	06/16/2000	06/16/2000
Preparation Method						
Date Analyzed		06/16/2000	06/16/2000	06/16/2000	06/16/2000	06/16/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		52681	52682	52683	52684	52685
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	96	97	99	98	98

QUALITY CONTROL REPORT

Batch No: 061600-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	107	105	1.9	75-120	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8273	06/12/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 061600-1

Our Lab I.D.		**52680**
Sample ID		WC22
Date Sampled		06/12/2000
Date Extracted		06/16/2000
Preparation Method		
Date Analyzed		06/16/2000
Matrix		Soil
Units		mg/kg
Detection Limit Multiplier		10
Analytes	**PQL**	**Results**
TPH DRO (C13-C22)	100	4080
TPH ORO (C22+)	500	ND

Our Lab I.D.		**52680**
Surrogates	**Con.Limit**	**% Rec.**
Surrogate Percent Recovery		
Chlorobenzene	70-120	97

QUALITY CONTROL REPORT

Batch No: 061600-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Diesel	107	105	1.9	75-120	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

RECEIVED
JUL 19 2000
TARGHEE, INC

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages	3
Date Received	07/05/2000
Date Reported	07/14/2000

Job Number	Ordered	Client
8488	07/05/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga, CA

Enclosed are the results of analyses on 4 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8488

Company: TARGHEE, INC
Address: 110 PINE AVE, SUITE 925
LONG BEACH, CA 90802
Telephone
Fax 562-435-8080
Special Instruction:

Project Name: SCE ETIWANDA
Site Address: 8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
Project ID: SCE-ETIWANDA
Project Manager: MARK LEYMASTER

Report To: M. LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: 8015M - DIESEL; CARBON CHAIN I.D.

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	54011	WC23-12	7-5-00	1:05	1	4-oz GLASS W TEFLON	SOIL	4°C	
2	54012	WC24-9	"	1:07	1	"	"	"	
3	54013	EC22-9	"	1:10	1	"	"	"	
4	54014	EC23-8	"	1:12	1	"	"	"	

Collected By: Mark Leymaster Date 7-5-00 Time 1:12 P.M.
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 7-5-00 Time
Received For Laboratory: ASL Date 7/5/00 Time 3:35

TAT
☐ Normal
☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster
Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8488	07/05/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 071200-1

Our Lab I.D.		54011	54013	54014		
Sample ID		WC23-12	EC22-9	EC23-8		
Date Sampled		07/05/2000	07/05/2000	07/05/2000		
Date Extracted		07/12/2000	07/12/2000	07/12/2000		
Preparation Method						
Date Analyzed		07/12/2000	07/12/2000	07/12/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH DRO (C13-C22)	10	ND	61	ND		
TPH ORO (C22+)	50	ND	ND	ND		

Comment(s):

54013: DRO: HCs mixture resembles fuel oil.

Our Lab I.D.		54011	54013	54014		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Chlorobenzene	70-120	88	88	88		

QUALITY CONTROL REPORT

Batch No: 071200-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	102	107	4.8	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8488	07/05/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 071300-2

Our Lab I.D.		54012				
Sample ID		WC24-9				
Date Sampled		07/05/2000				
Date Extracted		07/14/2000				
Preparation Method						
Date Analyzed		07/14/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	ND				

Our Lab I.D.		54012				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	99				

QUALITY CONTROL REPORT

Batch No: 071300-2

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	100	100	<1	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages 3
Date Received 07/14/2000
Date Reported 08/02/2000

Job Number	Ordered	Client
8573	07/14/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga, CA

Enclosed are the results of analyses on 3 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8573

Company: TARGHEE INC
Address: 110 PINE AVE #925
LONG BEACH, CA
Telephone: (562) 435-8080
Fax:
Special Instruction:
2 samples 24 TAT

Project Name: SCE-ETIWANDA
Site Address: 8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
Project ID: SCE-ETIWANDA
Project Manager: M. LEYMASTER

Report To: M. LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

8015-M diesel
CARBON CHAIN ID

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation											Remarks
1	54429	SW17	7/14/00	10:30	1	40z glass jar	Soil	Ice	✓										NORMAL TAT
2	54430	SW-18-B	7/14/00	10:00	1	"	Soil	Ice	✓									*	24-HR TAT
3	54431	SW-19-B	7/14/00	10:05	1	"	Soil	Ice	✓									*	24HR TAT

Collected By: [signature] Date 7/14/00 Time
Relinquished By: Date Time
Condition of Sample:

Relinquished By: [signature] Date 7/14/00 Time
Received For Laboratory: [signature] Date 7/14/00 Time 4:55

TAT
☐ Normal
☒ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8573	07/14/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Our Lab I.D.		54429				
Sample ID		SW17				
Date Sampled		07/14/2000				
Date Extracted		07/17/2000				
Preparation Method						
Date Analyzed		07/17/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	188				

Our Lab I.D.		54429				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	94				

QUALITY CONTROL REPORT

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	84	82	2.4	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8573	07/14/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 071600-2

Our Lab I.D.		54430	54431			
Sample ID		SW-18-B	SW-19-B			
Date Sampled		07/14/2000	07/14/2000			
Date Extracted		07/17/2000	07/17/2000			
Preparation Method						
Date Analyzed		07/17/2000	07/17/2000			
Matrix		Soil	Soil			
Units		mg/kg	mg/kg			
Detection Limit Multiplier		1	1			
Analytes	**PQL**	**Results**	**Results**			
TPH DRO (C13-C22)	10	ND	ND			
TPH ORO (C22+)	50	ND	ND			

Our Lab I.D.		54430	54431			
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**			
Surrogate Percent Recovery						
Chlorobenzene	70-120	77	103			

QUALITY CONTROL REPORT

Batch No: 071600-2

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	84	82	2.4	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

Client:	SCE	QC Batch #:	1.008015DS348
Attn:	Zaid Ahmad	Date Sampled:	07/19/00
		Date Received:	07/20/00
		Date Extracted:	07/20/00
		Date Analyzed:	07/20/00
Client's Project:	ETGS Tank Demo	Extraction Method:	3550B
		Extraction Material:	Methylene Chloride
Matrix:	Soil		
Analyst Initials:	AP		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	---	ND	10	1.0
45492-001	SW-2-10	ND	10	1.0
45492-002	SW-2-10A	ND	10	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: M. Hoffman for Date: 07.20.00

Edgar Morrison

Organics Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4010

FOR LABORATORY USE ONLY:

Batch #: _____ P.O. #: _____

Logged By: _____ Date: 7-20 Time: 11:10

Method of Transport: Walk-in ☒ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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: SCE
Attn: Ziad Ahmad
Address: 300 N. Lone Hill Ave
City San Dimas State CA Zip Code 91773
TEL (909) 394-8795
FAX ( )

Project Name: EGS Tank Farm Project #: Sampler: (Printed Name) Gene Hawkins (Signature)

Relinquished by: (Signature and Printed Name) Mingchi Date: 07-20-00 Time: 1100 Received by: (Signature and Printed Name) Date: 7-20-00 Time: 1:20

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(ETS CONTRACT) _____
TEST _____
ATL # _____
DATE _____
CLIENT ID _____

I hereby authorize ATL to perform the work indicated below
Project Mgr/Submitter: Mingchi Date: 07/20/00
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Please fax results to (909) 394-87__ or call (909)394-8795 before faxing. Pager 1-888-566-7992

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL

Circle or Add Analysis(es) Requested:
8015(M) (Halogenated Volatiles-GC)
602/8020/BTEX (Aromatic Volatiles-GC)
(8080/8082 (Pesticides/PCBs-GC)
8260/8240 (Volatiles-GC/MS)
8260 (Volatiles-GC/MS)
624/8270 (BNA-GC/MS)
8015M TPH/G/BTEX (COMBINATION)
8015M TPH/D (Diesel-GC)
418.1 (TPH-IR)
Metals: Total (CAM-17/STLC-WET)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ EWQCE ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	Containers: TAT	#	Type	REMARKS
	49492-001	SW 2-10	7/19		A²	1	GJ	
	002	SW 2-10A	7/19		A²	1	GJ	

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; 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=HNO₃ S=H₂SO₄ C=4°C Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 8
Date Received 08/01/2000
Date Reported 08/10/2000

Job Number	Ordered	Client
8713	08/01/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 12 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8713

Company: LEYMASTER ENVIRONMENTAL CONSULTING
Address: 1932 BURTON DR.
LONG BEACH, CA 90815
Telephone: 562-799-9866
Fax:
Special Instruction:

Project Name: SCE-ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: BOLS (MOD) WITH CARBON CHAIN BREAKDOWN

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	55278	SE16	8-1-00	11:00	1	4 oz. GLASS JAR	SOIL	4°C	
2	55279	SE17			1				
3	55280	SE18			1				
4	55281	SE19			1				
5	55282	SE20			1				
6	55283	SE21			1				
7	55284	SE22			1				
8	55285	SE23			1				
9	55286	SE24			1				
10	55287	SE25			1				

Collected By: Mark Leymaster Date 8-1-00 Time 11:00 AM
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 8-1-00 Time 3:55
Received For Laboratory: Date 8-1-00 Time 3:55

TAT: ☑ Normal ☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8713

Company: LEYMASTER ENVIRONMENTAL CONSULTING
Address:
Telephone: 562-799-9866
Special Instruction:

Project Name: SCE-ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	8015 (MOD) w/ HYDROCARBON CHAIN BREAK DOWN	Remarks
11	55288	SW17	8-1-00	11:00	1	4-oz GLASS JAR	SOIL	4°C	✓	
12	55289	SW18	8-1-00	11:01	1	"	"	"	✓	

Collected By: Mark Leymaster Date 8-1-00 Time 11:00
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 8-1-00 Time 3:55
Received For Laboratory: [signature] Date 8-1-00 Time 3:55

TAT
☑ Normal
☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 080900-1

Our Lab I.D.		55278	55279	55280	55281	
Sample ID		SE16	SE17	SE18	SE19	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	mg/kg
TPH ORO (C22+)	50	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55278	55279	55280	55281	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Chlorobenzene	70-120	120	118	91	84	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS	MS DUP	RPD	MS/MSD	MS RPD			
	% REC	% REC	%	% Limit	% Limit			
Diesel	111	108	2.7	75-120	15			

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 080900-1

Our Lab I.D.		55282	55283	55284	55285	
Sample ID		SE20	SE21	SE22	SE23	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	mg/kg
TPH ORO (C22+)	50	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55282	55283	55284	55285	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Chlorobenzene	70-120	85	79	84	120	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Diesel	111	108	2.7	75-120	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 080900-1

Our Lab I.D.		55286	55287	55288	55289	
Sample ID		SE24	SE25	SW17	SW18	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	Units
TPH DRO (C13-C22)	10	ND	ND	ND	ND	mg/kg
TPH ORO (C22+)	50	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55286	55287	55288	55289	
Surrogate	Con.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
Chlorobenzene	70-120	79	82	82	82	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit			
Diesel	111	108	2.7	75-120	15			

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 5
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 080900-1

Our Lab I.D.		55278	55280	55281	55282	
Sample ID		SE16	SE18	SE19	SE20	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55278	55280	55281	55282	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	112	114	91	114	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit			
Benzene	98	106	7.8	75-125	15			
Toluene (Methyl benzene)	100	110	9.5	75-125	15			

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 6
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 080900-1

Our Lab I.D.		55283	55284	55285	55286	
Sample ID		SE21	SE22	SE23	SE24	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55283	55284	55285	55286	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	110	101	104	93	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	98	106	7.8	75-125	15				
Toluene (Methyl benzene)	100	110	9.5	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 7
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 080900-1

Our Lab I.D.		55287	55288	55289		
Sample ID		SE25	SW17	SW18		
Date Sampled		08/01/2000	08/01/2000	08/01/2000		
Date Extracted		08/09/2000	08/09/2000	08/09/2000		
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000		
Matrix		Soil	Soil	Soil		
Detection Limit Multiplier		1	1	1		
Analytes	PQL	Results	Results	Results		Units
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND		mg/kg

Our Lab I.D.		55287	55288	55289		
Surrogate	Con.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	120	93	104		

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit			
Benzene	98	106	7.8	75-125	15			
Toluene (Methyl benzene)	100	110	9.5	75-125	15			

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 8
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 081000-0

Our Lab I.D.		55279				
Sample ID		SE17				
Date Sampled		08/01/2000				
Date Extracted		08/10/2000				
Preparation Method						
Date Analyzed		08/10/2000				
Matrix		Soil				
Detection Limit Multiplier		1				
Analytes	PQL	Results				Units
TPH as Gasoline (C4-C12)	1.0	ND				mg/kg

Our Lab I.D.		55279				
Surrogate	Con.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	113				

QUALITY CONTROL REPORT

Batch No: 081000-0

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	106	100	5.8	75-125	15				
Toluene (Methyl benzene)	108	103	4.7	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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Environmental Testing Services

Ordered By

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1932 Britton Drive
Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 4
Date Received 08/15/2000
Date Reported 08/16/2000

Job Number	Ordered	Client
8819	08/15/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 4 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

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3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8819

Company: LEYMASTER ENVIRONMENTAL CONSULTING, LLC
Address: 1932 BRITTON DRIVE
LONG BEACH, CA 90815
Telephone: 562-799-9866
Fax: "
Special Instruction:

Project Name: SCE - ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To: MARK LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: 8015 (MOD) W/CARBON CHAIN BREAKDOWN

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	55867	WW1	8-15-00	10:30	1	4-OZ. GLASS	SOIL	4°C	NEXT DAY RESULTS
2	55868	WW2	"	10:40	1	"	"	"	
3	55869	WW3	"	10:45	1	"	"	"	
4	55870	WW4	"	10:55	1	"	"	"	

Collected By: Mark Leymaster Date 8-15-00 Time 10:55
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 8-15-00 Time 3:05
Received For Laboratory: ASL Date 8-15-00 Time 3:05

TAT: ☐ Normal ☑ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8819	08/15/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 081500-1

Our Lab I.D.		55867	55868	55869	55870
Sample ID		WW1	WW2	WW3	WW4
Date Sampled		08/15/2000	08/15/2000	08/15/2000	08/15/2000
Date Extracted		08/15/2000	08/15/2000	08/15/2000	08/15/2000
Preparation Method					
Date Analyzed		08/15/2000	08/15/2000	08/15/2000	08/15/2000
Matrix		Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND

Our Lab I.D.		55867	55868	55869	55870
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery					
Chlorobenzene	70-120	120	77	70	70

QUALITY CONTROL REPORT

Batch No: 081500-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Diesel	110	109	<1	75-120	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
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Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8819	08/15/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 081500-1

Our Lab I.D.		55867	55868	55869		
Sample ID		WW1	WW2	WW3		
Date Sampled		08/15/2000	08/15/2000	08/15/2000		
Date Extracted		08/15/2000	08/15/2000	08/15/2000		
Preparation Method						
Date Analyzed		08/15/2000	08/15/2000	08/15/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND		

Our Lab I.D.		55867	55868	55869		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	79	70	70		

QUALITY CONTROL REPORT

Batch No: 081500-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	100	102	2.0	75-125	15				
Toluene (Methyl benzene)	104	107	2.8	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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ANALYTICAL RESULTS

Ordered By

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Attn: Mark Leymaster

Page: 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8819	08/15/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 081600-1

Our Lab I.D.		55870
Sample ID		WW4
Date Sampled		08/15/2000
Date Extracted		08/16/2000
Preparation Method		
Date Analyzed		08/16/2000
Matrix		Soil
Units		mg/kg
Detection Limit Multiplier		1
Analytes	**PQL**	**Results**
TPH as Gasoline (C4-C12)	1.0	ND

Our Lab I.D.		55870
Surrogates	**Con.Limit**	**% Rec.**
Surrogate Percent Recovery		
Bromofluorobenzene	70-120	99

QUALITY CONTROL REPORT

Batch No: 081600-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	99	105	5.9	75-125	15
Toluene (Methyl benzene)	105	110	4.7	75-125	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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Environmental Testing Services

Ordered By

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Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 5
Date Received 08/22/2000
Date Reported 08/29/2000

Job Number	Ordered	Client
8859	08/22/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 6 soil samples analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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Page ____ Of ____

ASL JOB# 8859

Company: LEYMASTER ENVIRONMENTAL CONSULTING, LLC
Address: 1932 BRITTON DR
LONG BEACH, CA 90815
Telephone: 562 - 799-9866
Fax:
Special Instruction:

Project Name: SCE - ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	8015 (MOD) w/ CARBON CHAIN BREAKDOWN	Remarks
1	56057	WW5	8-22-00	7:20	1	4 oz GLASS	SOIL	4°C	✓	
2	56058	WW6	"	7:30	1	" "	"	"	✓	
3	56059	WW7	"	7:40	1	" "	"	"	✓	
4	56060	WW8	"	7:45	1	" "	"	"	✓	
5	56061	WW9	"	8:00	1	" "	"	"	✓	
6	56062	WW10	"	8:15	1	" "	"	"	✓	

Collected By: Mark Leymaster Date 8-22-00 Time A.M.
Relinquished By: Date Time
Relinquished By: Mark Leymaster Date 8-22-00 Time
Received For Laboratory: ASL Date 8-22-00 Time 1:00

TAT ☑ Normal ☐ Rush

Condition of Sample:

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
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Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 082400-1

Our Lab I.D.		56057	56058	56059	56060	56061
Sample ID		WW5	WW6	WW7	WW8	WW9
Date Sampled		08/22/2000	08/22/2000	08/22/2000	08/22/2000	08/22/2000
Date Extracted		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Preparation Method						
Date Analyzed		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		56057	56058	56059	56060	56061
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	104	96	95	120	76

QUALITY CONTROL REPORT

Batch No: 082400-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	102	6.1	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

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Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 082400-1

Our Lab I.D.		56062				
Sample ID		WW10				
Date Sampled		08/22/2000				
Date Extracted		08/24/2000				
Preparation Method						
Date Analyzed		08/24/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	ND				

Our Lab I.D.		56062				
Surrogates	Con.Limit	% Rec.				
Surrogate Percent Recovery						
Chlorobenzene	70-120	97				

QUALITY CONTROL REPORT

Batch No: 082400-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	102	6.1	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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ANALYTICAL RESULTS

Ordered By

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Attn: Mark Leymaster

Page: 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 082400-1

Our Lab I.D.		56058	56059	56060	56061	56062
Sample ID		WW6	WW7	WW8	WW9	WW10
Date Sampled		08/22/2000	08/22/2000	08/22/2000	08/22/2000	08/22/2000
Date Extracted		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Preparation Method						
Date Analyzed		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	ND

Our Lab I.D.		56058	56059	56060	56061	56062
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	112	103	108	106	105

QUALITY CONTROL REPORT

Batch No: 082400-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	96	96	<1	75-125	15					
Toluene (Methyl benzene)	100	100	<1	75-125	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

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Attn: Mark Leymaster

Page: 5
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 082500-1

Our Lab I.D.		56057
Sample ID		WW5
Date Sampled		08/22/2000
Date Extracted		08/25/2000
Preparation Method		
Date Analyzed		08/25/2000
Matrix		Soil
Units		mg/kg
Detection Limit Multiplier		1
Analytes	**PQL**	**Results**
TPH as Gasoline (C4-C12)	1.0	ND

Our Lab I.D.		56057
Surrogates	**Con.Limit**	**% Rec.**
Surrogate Percent Recovery		
Bromofluorobenzene	70-120	100

QUALITY CONTROL REPORT

Batch No: 082500-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	94	89	5.5	75-125	15
Toluene (Methyl benzene)	98	92	6.3	75-125	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

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1932 Britton Drive
Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 5
Date Received 09/20/2000
Date Reported 09/21/2000

Job Number	Ordered	Client
9067	09/20/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 8 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

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ASL JOB# 9067

Company: LEYMASTER ENVIRONMENTAL CONSULTING, LLC
Address: 5500 E. ATHERTON STREET, SUITE 221
LONG BEACH, CA 90815
Telephone 562-799-9866
Fax 562-799-1963
Special Instruction: 24-HR TURNAROUND

Project Name: SCE - ETIWANDA
Site Address:
Project ID:
Project Manager: LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: OG&G ANLYS; HYDROCARBON SPECIATION

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	57202	SVM-19	9-20-00	10:09	1	4-oz GLASS	SOIL	4°C	
2	57203	SVM-20		10:13	1				
3	57204	SVM-21		10:17	1				
4	57205	SVM-22		10:21	1				
5	57206	SVM-23		10:25	1				
6	57207	SVM 24		10:30	1				
7	57208	SVM-25		10:04	1				
8	57209	SVM-26		10:00	1				

Collected By: [signature] Date 9-20-00 Time 10:30
Relinquished By: [signature] Date Time
Condition of Sample:

Relinquished By: [signature] Date 9-20-00 Time
Received For Laboratory: [signature] ASL Date 9-20-00 Time 2:25

TAT: ☐ Normal ☑ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 092000-1

Our Lab I.D.		57202	57203	57204	57205	57206
Sample ID		SW-19	SW-20	SW-21	SW-22	SW-23
Date Sampled		09/20/2000	09/20/2000	09/20/2000	09/20/2000	09/20/2000
Date Extracted		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		57202	57203	57204	57205	57206
Surrogates	Con.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	120	119	118	120	118

QUALITY CONTROL REPORT

Batch No: 092000-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Diesel	104	102	1.9	75-120	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

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Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 092000-1

Our Lab I.D.		57207	57208	57209		
Sample ID		SW-24	SW-25	SW-26		
Date Sampled		09/20/2000	09/20/2000	09/20/2000		
Date Extracted		09/21/2000	09/21/2000	09/21/2000		
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH DRO (C13-C22)	10	ND	ND	ND		
TPH ORO (C22+)	50	ND	ND	ND		

Our Lab I.D.		57207	57208	57209		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Chlorobenzene	70-120	119	119	120		

QUALITY CONTROL REPORT

Batch No: 092000-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	104	102	1.9	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 092100-0

Our Lab I.D.		57202	57203	57204	57205	57206
Sample ID		SW-19	SW-20	SW-21	SW-22	SW-23
Date Sampled		09/20/2000	09/20/2000	09/20/2000	09/20/2000	09/20/2000
Date Extracted		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	ND

Our Lab I.D.		57202	57203	57204	57205	57206
Surrogates	Con.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	104	104	104	104	93

QUALITY CONTROL REPORT

Batch No: 092100-0

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	92	85	7.9	75-125	15				
Toluene (Methyl benzene)	93	88	5.5	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 5
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 092100-0

Our Lab I.D.		57207	57208	57209		
Sample ID		SW-24	SW-25	SW-26		
Date Sampled		09/20/2000	09/20/2000	09/20/2000		
Date Extracted		09/21/2000	09/21/2000	09/21/2000		
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND		

Our Lab I.D.		57207	57208	57209		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	103	98	98		

QUALITY CONTROL REPORT

Batch No: 092100-0

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	92	85	7.9	75-125	15					
Toluene (Methyl benzene)	93	88	5.5	75-125	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

ATTACHMENT II

SITE PLOT PLAN

APPENDIX 3

CERTIFICATE OF RECYCLING

CERTIFICATE OF RECYCLING

Glen Helen Soil Recycling Facility
Devore, California

This is to certify that impacted soil accepted from

Southern California Edison Company

Has been accepted and recycled in accordance with California Regional Water Quality Control Board (Santa Ana Region) Order No. 95-74

Quantity Accepted:	2518.38 Tons
Oversize Material:	41.78 Tons
Soil Recycled:	2476.60 Tons
Receipt Date(s):	5/31, 6/13, 8/7/00
Acceptance No.:	GFJ-01475

CDE Resources, Inc.

Bill Stevenson

Vice President Fixed Facilities
Date: October 30, 2000

Attachment #2

California Regional Water Quality Control Board
Santa Ana Region

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov/rwqcb8
3737 Main Street, Suite 500,
Riverside, California 92501-3348
Phone (909) 782-4130 - FAX (909) 781-6288

Gray Davis
Governor

May 25, 2001

Ms. Danielle Chupa
Environmental Specialist
Southern California Edison
P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

FINAL REPORT ON VERIFICATION TESTING, ETIWANDA TANK FARM, 8998 ETIWANDA AVENUE, RANCHO CUCAMONGA, SOUTHERN CALIFORNIA EDISON COMPANY

Dear Ms. Chupa:

Regional Board staff has reviewed the Final Report On Verification Testing, dated March 20, 2001, for the above referenced facility. Based on the information contained in this final report, and with the provision that the information previously provided to this agency was accurate and representative of site conditions, no further action related to the decommissioning of the above ground tanks is required.

If you have any questions regarding this matter please call Edward Kashak at (909) 782-3292 or Ann Sturdivant, Chief of our SLIC/DoD/AGT section, at (909) 782-4904.

Sincerely,

GJ Thibeault

Gerard Thibeault
Executive Officer

cc: Gene Hawkins, Geological Consultant, Claremont

EGK:disc/sce/agt/fof/etiw/fnl/rpt

Attachment # 3

State Water Resources Control Board

Winston H. Hickox
Secretary for Environmental Protection

Division of Water Quality
1001 I Street, 15th Floor • Sacramento, California 95814 • (916) 341-5537
Mailing Address: P.O. Box 1977 • Sacramento, California • 95812-1977
FAX (916) 341-5543 • Internet Address: http://www.swrcb.ca.gov

Gray Davis
Governor

25-Jul-2001

DANIELLE CHUPA
SOUTHERN CALIFORNIA EDISON
2244 WALNUT GROVE AVE
ROSEMEAD, CA 91770

SUBJECT: TERMINATION OF COVERAGE UNDER THE GENERAL NPDES PERMIT TO DISCHARGE STORM WATER

Per Regional Water Quality Control Board's approval of your Notice of Termination (NOT) on **7/10/01** , the State Water Resources Control Board (State Water Board) has terminated your coverage under the General NPDES Permit to Discharge Storm Water associated with **Construction Activity** associated with the following site:

8998 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
WDID = 8 36S312686

Please be advised that the State Water Board is following your request for termination and is not making a determination of its validity. Owners of sites that are found to be in violation of federal regulations requiring coverage under the General NPDES permit may be subject to substantial penalty.

If you wish to obtain coverage under the General NPDES Permit in the future, you are required to submit a new Notice of Intent, site map, and appropriate fee. If you have any questions regarding this matter or we can be of further assistance, please call (916) 341-5537.

Sincerely,

Storm Water Section
Division of Water Quality

NO: 3418

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: CH2M Hill DATE: 2/3/00

ADDRESS: 3 Hutton Centre Dr., #200, Santa Ana, CA 92707 PHONE: 714/ 429-2000

TO: (Type of Permitted Use/Activity) Removal of 4 above ground storage tanks and associated piping/fillings.

AT: (Location of Permitted Use/Activity) 8998 Etiwanda Ave Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY:

TITLE: Kevin Walton, Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

Rancho Cucamonga Fire Protection District

Fire Safety Division

Etiwanda Station Tank Demolition Project

Four Aboveground Storage Tanks

Site Information:	Southern California Edison 8998 Etiwanda Avenue Rancho Cucamonga, CA
Property Owner Information:	Southern California Edison 2244 Walnut Grove Avenue Rosemead, CA 91770
Current Occupant Information:	Southern California Edison 2244 Walnut Grove Avenue Rosemead, CA 91770
Contractor Information:	Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305 Contractors License No: 590741 Class: A HAZ
Consultant Information:	CH2M Hill 3 Hutton Centre Drive, Suite 200 Santa Ana, CA 92707
Degassing Contractor Information:	No degassing required (Product: Fuel Oil)
Hazardous Waste Hauler Info:	Fuel Oil will be removed and cleaned by the facility.
Marine Chemist Information:	Thomas D. Beck & Associates, Inc. d.b.a Harbor Testing Laboratory (562) 492-9646
Scope of Work:	Demolition and removal of (4) - Aboveground Storage Tanks, removal of concrete berms and rough grading.
Removal Method:	The tanks will be emptied and cleaned by the facility prior to demolition activities. The tanks will be verified clean and vapor free by Sevenson, fire department, and the marine chemist prior to demolition activities. The tanks will be cut up systematically by use of hydraulic shears.

Projected Demolition Schedule:	April 28, 2000 to July 28, 2000
Worker Site Respiratory: Protection Action Levels	Covered in HASP (already submitted)
Compliance with fire retardant clothing: requirements for site workers	Covered in HASP
Site Specific Health & Safety Plan:	Already submitted
Detailed and Scaled Site Plan:	Previously submitted by CH2M HILL
Permit Required Confined Space Entry:	May be required. Covered in HASP

Attachments

1. Rancho Cucamonga Fire District AST Removal Permit Application
2. Photo copy of Rancho Cucamonga Business License
3. Photo Copy of Workers Compensation and Liability Insurance Policy
4. Photo Copy of Contractors License with hazardous materials endorsement

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

(X) Other (Specify) DEMOLITION

At: Business Name ETIWANDA STATION TANK DEMOLITION PROJECT

Address 8998 ETIWANDA AVE. RANCHO CUCAMONGA, CA

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

DEMOLITION OF (4) EA. ABOVE GROUND STORAGE TANKS
TANKS HAVE BEEN CLEANED OF FUEL OIL PRODUCT

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name JOHN B. DIMICELI Phone (562) 424-2671

Applicant's Signature John B Dimiceli Date 4/24/2000

* FOR FIRE AGENCY USE ONLY * * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED ( )
DENIED ( )

(Signature) (Date)

(Title)

FIRE AGENCY REPRESENTATIVE

TELEPHONE

Fee Due $ Date Paid

Rev. 3/92

FIN# 3455

Rancho Cucamonga Fire Protection District
Fire Safety Division

FIRE INSPECTION NOTICE

10500 Civic Center Drive, P.O. Box 807, 91729
EMERGENCY 911
Fire Safety Division 909/477-2770
FAX 909/477-2849

8996	ETIWANDA		SCE	
Street #	Street Name	Suite	DBA	Premise ID #

DBA Owner Mgr Name	DBA Mailing Address (If Different from Street Address)	Mgr Phone
Building Owner or Property Management Company	Bldg Owner/Mgt Co Mailing Address	Bldg Owner/Mgt Co Ph

☒ **NOTICE OF FIRE/SAFETY HAZARDS:**
You are hereby notified that an inspection of your premises has disclosed the following fire safety hazards and/or violations of the provisions of appropriate local or state codes:

Key to Abreviations
UFC - Uniform Fire Code UMC - Uniform Mechanical Code
UBC - Uniform Building Code NFPA - Nat'l Fire Protection Assoc.
NEC - National Electrical Code CCR - CA Code Of Regulations

☐ No Violations Noted - Thank you for your fire safety awareness! Current Business License ? _Y _N

OK TO PROCEED WITH DEMO of 2 NORTH TANKS ONLY AS SHOWN ON APPROVED PLAN WITH THE following CONDITIONS:

1) A MINIMUM of 2 FIRE WATCH "firefighters" WILL BE MANNED WITH HOSELINES IN THE AREA of CUTTING OPS. They will be equipped WITH proper PPE.

2) Comply WITH REQUIREMENTS of RCFD BURN PERMIT

3) Comply WITH H&S plan

☐ Supplement Attached

☒ **ORDER TO COMPLY:** *By order of the Fire Chief, Authority: Rancho Cucamonga Fire Protection District Ordinance 22.* As such conditions are contrary to law, you are hereby required to correct said conditions immediately upon receipt of this notice. An inspection to determine compliance will be conducted on or after the "FURTHER INSPECTION DATE" indicated below. Failure to comply with this order before that date may render you liable to penalties provided by law for such violation(s).

☒ Further Inspection Scheduled for: ONGOING

OFFICE USE ONLY
☐ Referred to: _____
☐ 1 ☐ 2 ☐ 3
☐ 4 ☐ 5 ☐ 6
Previous FIN #
☐ Data Entered
☐ New Building
☐ No File Found

Inspected By:
TIM FEGRAN (Name) INSP (Title) 5/12/00 (Shift) 1740
And MARK MODAFFARI (Name) SUPERVISOR (Title)

Signature of Owner/Representative Acknowledging Receipt of a Copy of this Notice:

You have the right to appeal these requirements to the Fire Marshal. Such appeal must be submitted, in writing, within fifteen (15) days of receipt of this notice. Failure to submit such appeal within this time limit will constitute a waiver of appeal rights.

FSD 11 (Rev 4/96)

FILE

RANCHO CUCAMONGA FIRE DISTRICT

Fire Safety Division
10500 Civic Center Drive, P. O. Box 807
Rancho Cucamonga, CA 91729
(909) 477-2770

SUBJECT: UST ABANDONMENT CHECK LIST AND INFORMATION NOTICE

Site Address	8996 ETIWANDA AVE		
Date of Call	Person Calling	Company Name	Phone Number
Requested Date of Insp.	Estimated Start Time	Estimated Finish Time	Permit Number

INSTRUCTIONS: When you call to make an appointment, have the shaded boxes completed.

HOW ARE YOU GOING TO ABANDON THE TANKS?

Triple Rinsed & Inverted ☐ Hauled as Hazardous Waste ☒ Abandoned & Filled in Place ☐

DO YOU KNOW THE FOLLOWING?

- ♦ If the FSD permit fee has been paid on each tank.
- ♦ If you do not have the Fire District permit number, you are not guaranteed an inspection.
- ♦ An emergency inspection is not a guaranteed inspection under any circumstances.

DO YOU HAVE THE FOLLOWING REQUIRED ITEMS?

- ♦ A Rancho Cucamonga Fire Protection District permit.
- * ♦ A Rancho Cucamonga Business License # 99-903176
- ♦ An AQMD permitted degassing contract whose equipment is approved.
- * ♦ A CAL OSHA excavating permit # _____.
- ♦ An EPA generators ID # HIHQ36010247.
- * ♦ A contractor license that is approved for underground tank work, including hazardous endorsement: A, B, C36, C61-D40. # 719892
- ♦ A licensed hazardous waste hauler for tank when abandoning tank as hazardous waste. Name: Ecology Control Ind # 1533
- ♦ A detailed scaled plan depicting tank, piping, vent and fill; buildings or structures; property lines; and overhead/underground utilities. The use of an Underground Service Alert to locate underground utilities will meet this requirement, if noted on the plan.
- * ♦ A site specific health and safety plan per CCR Title 8 3203(A) 1509(c) requirement.
- ♦ Analytical results of tank contents or written documentation of contents prior to commencement of work.
- ♦ A Marine Chemist to certify the tank clean.
- * ♦ Copies of Worker's Comp and liability insurance.
- ♦ A high pressure washer, minimum 2000 psi.
- ♦ A crane that is capable of lifting the tank safely.
- ♦ A back hoe or auger with extensions for soil sampling, **you cannot enter the excavation** without approved Cal OSHA shoring or complying slopes.

* **Copies of documents required with submittal.**

Continued...

SOME GENERAL REQUIREMENTS

- All Cal OSHA excavation requirements will be strictly enforced.
- A competent person (as required by Cal OSHA) shall be on site during excavations 5 feet or greater.
- The fire inspector shall be on site for excavation, degassing, cutting, washing, inerting, certifying tanks clean, pulling tanks.
- Fire retardant clothing shall be worn while working around tanks containing flammable/combustible liquids or vapors. CCR Title 8 3221(a), 3383(a).
- Appropriate fire safety equipment shall be utilized at all times.
- The contractor appearing on the FSD permit is responsible and accountable for the job site. The contractor shall either perform the work and/or be on site to oversee subcontractors.
- Post NO SMOKING signs and prohibit smoking and other ignition sources a minimum of 50 feet from the job site.
- Equipment shall be bonded and/or grounded and listed for use in hazardous locations.
- All work performed on the tank and piping shall be done with non-sparking tools, except that work may be performed in accordance with NFPA 306 and under the supervision of a certified Marine Chemist or tanks which contain 0% LEL constantly monitored by a trained and qualified person, with standard tools.
- A combustible gas indicator and an oxygen meter shall be on site, calibrated, and operated by a trained and qualified person (documentation required). Continuous readings shall be taken around the job site to detect accumulation of explosive vapors. If 20% LEL is detected, all operations will halt and you will have a half hour for the dissipation of vapors or the job will be shut down. **NOTE: Conversion charts or an instrument capable of monitoring the specific tank contents is required. Instruments shall be protected from sensor poisoning from leaded fuels.**
- Piping shall be flushed before it is disconnected from the tank; if not, it is subject to being hauled as a hazardous waste.
- A ratio of 15 lb. of dry ice per 1000 gallons of tank capacity is required for inerting procedures.
- Tank shall be emptied and inerted prior to disturbing tank and surrounding material (i.e. concrete, asphalt, etc.)
- Piping shall be completely uncovered and disconnected from the tank and dispensers. It may be removed from its trench, but must remain on site. The trench must remain intact and otherwise undisturbed for soil sampling.
- Dispensers which are no longer going to be used shall be removed.

DO NOT

- Remove an underground tank from the excavation without the Fire Inspector present. If so, you may be subject to criminal and/or civil action.
- Perform any work prior to the arrival of the Fire Inspector as specified above. If so, you may be subject to criminal and/or civil action, and/or shut down.
- Exceed a 30 minute delay in work or from the scheduled inspection start time. If so, you may be subject to additional inspection fees, shutdown or both.
- Excavate prior to the required notification to Cal OSHA.

I/we have read and understand the above and have received a copy of this document.

Project Safety Manager LAURA D. Box Date 8-16-99

Contractor CEI Date _____

Revised 7/98

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date February 2 19..

Name: Etiwanda Generating Station

Address: 8996 Etiwanda Avenue, Etiwanda

To: Remove three u/g tanks

At: 8996 Etiwanda, Etiwanda, California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions: tanks shall purged of vapors prior to removal

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: Susan D. Wolfe

Susan D. Wolfe

Title: Fire Prevention Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT
(FIRE AGENCY)

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 2-12-86

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

- ( ) MANUFACTURE
- ( ) STORE
- ( ) USE
- (✓) INSTALL
- ( ) CONDUCT OPERATIONS
- (✓) OTHER (Describe) Remove

AT: ETIWANDA GENERATING STATION
(Name of Business)

8996 ETIWANDA AVENUE, ETIWANDA
(Address) (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

3 TANKS REMOVAL: GASOLINE 1 INSTALLATION - GASOLINE 548 gallons
SOLVENT
NAPTHA

(Attach separate sheet if necessary)

(✓) If checked, two sets of plans and construction details shall be submitted with this application. done 2-12-86

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

MERRILL Y. HURST
Please print applicant's name

Merrill Y. Hurst
Applicant's signature

(818) 302 6367
Telephone

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS: APPROVED (✓) DENIED ( )

Susan D. Wolfe 2-12-86
Signature Date

Inspector
Title

FIRE AGENCY REPRESENTATIVE

STREET ADDRESS

CITY TELEPHONE

Fee Due
Fee Paid
Date Paid

NO: 3417

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: CPEI Corporation DATE: November 15, 1999

ADDRESS: 1718 N. Shirk Rd., Visalia, CA PHONE: _____

TO: (Type of Permitted Use/Activity) Remove one underground storage tank and associated piping and fittings.

AT: (Location of Permitted Use/Activity) SCE 8996 Etiwanda Ave. Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: _____

Expiration Date: 1/13/2000

BY: _____

TITLE: Kevin Walton, Inspector

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

Rancho Cucamonga Fire District --- Construction Division

CONSTRUCTION INSPECTION REPORT

Date 1/13/2000 Start Time 1130 End Time _____ Report # 10728

File # _____ Project Name ETIWANDA POWER PLANT

Project Address 8996 ETIWANDA AVE

Inspected With (Name) JOHN MOORE Ph 1800-359-2747

Representing (Company) CPEI

A (No.) _____ Inspection For UST REMOVAL

Resulted in the Following:

- (X) No Non Compliance Observed
- ( ) Corrections Essential as Explained Below
- ( ) Stop Work per Posted Notice
- ( ) Will Examine at Next Inspection
- ( ) Do Not Conceal Until Reinspected
- ( ) Notice of Violation

NOTE: A COPY OF THIS NOTICE MUST BE READILY AVAILABLE AT THE JOB SITE UNTIL CORRECTIONS HAVE BEEN APPROVED BY THE FIRE INSPECTOR

(1) (1) 500 GALLON FIBERGLASS UST (GASOLINE) REMOVED FROM GROUND AND TRANSPORTED TO ECT, FONTANA UNDER MANIFEST #9953945.

(2) RINSATE REMOVED FROM PROPERTY AND TRANSPORTED TO DEMENNO KERDOON IN COMPTON. UNDER MANIFEST 9953946

(3) TANK DEGASSED TO 0% LEL AND DRY ICED WITH 7% OR AT TIME OF TRANSPORTATION OFF SITE.

* COPIE OF CLOSURE REPORT MUST BE PROVIDED TO INCLUDE TANK DESTRUCTION CERTIFICATE, MANIFESTS, SAMPLE RESULTS AND SITE DISPOSITION.

Call (909) 477-2730 for Re-Inspection When ALL of the Above Items Have Been Corrected.
FAX (909) 477-2847.

KEVIN WALTON

Inspector _____ Extension

FSD 3 (02/96) White-File Canary-Inspector Pink-Numeric Goldenrod-Job Site

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name_____

Address_____

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

TO REMOVE (1) UNDERGROUND STORAGE TANK AND ASSOCIATED PIPING AND FITTINGS.

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name_____ Phone_____

Applicant's Signature_____ Date_____

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED ( ) DENIED ( )

(Signature) 11/10/99 (Date)

FIRE INSPECTOR (Title)

FIRE AGENCY REPRESENTATIVE

TELEPHONE_____

Fee Due $ 179.00 Date Paid_____

Rev. 3/92

Southern California Edison Company

ETIWANDA GENERATING STATION

8996 ETIWANDA AVENUE

ETIWANDA, CALIFORNIA 91739

November 2, 1993

City of Rancho Cucamonga
Fire Safety Division

Attention: Kevin Walton

Mr. Walton:

Please find enclosed a copy of a special report written on the potential hazards of our fuel storage facility and an evaluation of our existing fire protection. I had one of our protection consultants put this report together at your request to assist your organization in establishing an awareness of potential hazards at our facility.

Please review the document and advise if you have any questions regarding it.

Richard E. Darnell
Supervisor of Plant Operations

RED/dv

Enclosure

SPECIAL REPORT

SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION
8996 ETIWANDA BOULEVARD
RANCHO CUCAMONGA, CA 91739

EVALUATED BY: Russell Hoeltzel DATE: October 15, 1993

PURPOSE AND SCOPE OF STUDY

The purpose of this study is to evaluate the potential hazards from the existing No. 6 fuel oil, cutter stock oil and distillate oil storage and pumping operations. This report also includes an evaluation of the adequacy of the existing fire protection equipment, and recommendations for improvements and modification of fire protection features for the fuel oil hazards present.

The evaluation and recommendations are principally based on NFPA Standard No. 30, Flammable and Combustible Liquids Code (1993), Uniform Fire Code (1991 ed), and Factory Mutual Data Sheet 7-88 (1976). (See References)

EXECUTIVE SUMMARY

Evaluation of existing codes indicates that the level of protection provided at this facility is adequate. Water supplies for hose streams and existing foam supplies plus the available foam from the National Foam 24 hour warehouse located in Santa Fe Springs are considered adequate.

DESCRIPTION OF OPERATIONS

Etiwanda Generating Station consists of four-unit natural gas/No. 6 fuel oil-fired turbine/generator units and a combustion turbine peaker unit capable of firing on natural gas or distillate fuel oil. Units 1 & 2 are rated at 175 megawatts each and units 3 & 4 are rated at 320 megawatts each. The peaker is rated at 120 megawatts. The control rooms for Units 1 & 2 and 3 & 4 are continuously manned 24 hours a day, 7 days a week.

SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION
8996 ETIWANDA BOULEVARD
RANCHO CUCAMONGA, CA 91739

OCTOBER 15, 1993

LAYOUT CONSTRUCTION EXPOSURE

The fuel storage tank farm, located in the southwest area of the Etiwanda Generating Station, and consists of four 131,000 bbl (5,523,000 gallons) cone roof tanks. These four tanks are empty. In addition there are two 322,000 bbl (13,944,000 gallon) cone roof tanks containing No. 6 fuel oil. These tanks are individually diked. Immediate east are two cone roof tanks, one 27,000 bbl (1,152,480 gallons) and one containing 15,500 bbl (649,110 gallons) of cutter stock. These tanks are located in the same dike. Tank shells are of welded steel, and are insulated with corrugated metal panels covering fiberglass insulation. The tanks sit on metal plates on sand and gravel foundations. The cutter stock tanks are not insulated. The 21,500 bbl (904,260 gallons) cone roof distillate tank is located on the east side of the facility 600 feet south of the peaker building. The tank is contained within its own dike.

The 131,000 bbl tanks are 140 ft in diameter. The 322,000 bbl tanks are 220 ft diameter. The cutter stock tanks are 50 ft and 60 ft in diameter. The 21,500 bbl distillate tank is 65 ft diameter.

All dikes are gunite over earth designed to contain 110% of the contents of the tank or tanks within.

Drainage is provided at low points within the diked area, to a sump which is manually pumped to the plant water treatment facility, where water is treated, tested, and released.

COMBUSTIBLE LIQUID PARAMETERS

LIQUID	FLASH POINT °F	CLASS
NO. 6	230	IIIB
Cutter stock	148	IIIA
Distillate	104	II

SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION
8996 ETIWANDA BOULEVARD
RANCHO CUCAMONGA, CA 91739

OCTOBER 15, 1993

CODE ANALYSIS

Code Requirements

Analysis of the following four tables demonstrates that the requirements of adopted code as well as the two nationally recognized codes are met.

Class II Liquids

	FIRE PROTECTION	HOSE**	SEPARATION SHELL TO SHELL	DIKING* Y/N	DISTANCE FROM BUILDINGS (FT)	DISTANCE FROM PROPERTY LINES (FT)
NFPA 30	N.R.'	750	⅓ Sum of Adjacent Diameters (22 ft)	Y	35	35
UFC	N.R.	750	⅓ Sum of Adjacent Diameters (22 ft)	Y	35	35
FM 7-88	N.R.	750	⅓ Diameters of Largest Tank (33 ft)	Y	200	No Requirement

Class III A Liquids

	FIRE PROTECTION	HOSE**	SEPARATION SHELL TO SHELL	DIKING* Y/N	DISTANCE FROM BUILDINGS (FT)	DISTANCE FROM PROPERTY LINES (FT)
NFPA 30	N.R.	500	1/4 Sum of Adjacent Diameters (28 ft)	Y	35	35
UFC	N.R.	500	1/4 Sum of Adjacent Diameters (28 ft)	Y	35	35
FM 7-88	N.R.	500	½ Diameter of Largest Tank (30 ft)	Y	50	No Requirement

SOUTHERN CALIFORNIA EDISON COMPANY
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Class IIIB Liquids

	FIRE PROTECTION	HOSE**	SEPARATION SHELL TO SHELL	DIKING* Y/N	DISTANCE FROM BUILDINGS (FT)	DISTANCE FROM PROPERTY LINES (FT)
NFPA 30	N.R.	500	1/4 Sum of Adjacent Diameters (55 ft)	Y	15	15
UFC	N.R.	500	1/4 Sum of Adjacent Diameters (55 ft)	Y	15	15
FM 7-88	N.R.	500	½ Diameter of Largest Tank (110 ft)	Y	35	No Requirement

τ N.R. = Not Required

* = Diking containment requires 100% of tank(s) contents

** = FM data sheet requires 750 & 500 gpm, NFPA 30 and UFC states "in accordance with nationally recognized standards."

SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION
8996 ETIWANDA BOULEVARD
RANCHO CUCAMONGA, CA 91739

OCTOBER 15, 1993

TANK PARAMETERS

TANK/LOC.	CAP. (GAL.)	LIQUID		DIST. TO ADJ. TANK SHELL TO SHELL (FT)	TANK CONST.*	DIST. TO PROP. LINE	STREET WIDTH (FT)	DIST. TO NEAREST BLDG.	TANK DIAMETERS (FT)
		TYPE	CLASS						
E. Fuel Oil	13,944,000	No. 6	IIIB	230	C.R.	210	N/A	>500	220
W. Fuel Oil	13,944,000	No. 6	IIIB	230	C.R.	210	N/A	>500	220
E. Cutter Stock	649,110	Light Oil	IIIA	30	C.R.	>500	N/A	>500	50
W. Cutter Stock	1,152,480	Light Oil	IIIA	30	C.R.	>500	N/A	>500	60
Distillate	904,260	Turbine Fuel	II	N/A	C.R.	270	75	>500	65

* C.R. = Cone Roof

SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION
8996 ETIWANDA BOULEVARD
RANCHO CUCAMONGA, CA 91739

OCTOBER 15, 1993

EXISTING PROTECTION

(a) **Water Supplies:** Water is supplied from an on-site reservoir of 40 acre-feet capacity (13,034,894 gallons) located at the northeast corner of the property. This reservoir is supplied from Metropolitan Water District sources via a 36-inch main and three deep water wells. There are two separate fire water systems, dubbed "low pressure" and "high pressure", at this facility. The "low pressure" system is supplied by three service water pumps which take suction from a 210,000 gallon service water tank located north of unit 1. This system supplies fire hose connections on boilers 1 - 4, turbine deck, below turbine deck, warehouse, shops, and Administration buildings, manual water spray systems for units 1 - 4 and hydrants 56, 57, 58, 63, and 64. The "high pressure" system consists of the following:

- Two fire pumps, one propane engine driven, and one electric motor driven taking suction from a gravity bearing cooling water line. Both are rated at 500 gpm, 154 psi (355 ft. head) at 1760 RPM. It should be noted that these pumps and associated drivers are not FM-approved or UL listed.

- Two 1500 gpm @ 150 psi pumps, one electric motor driven and one combination electric motor and gasoline engine driven take suction from units 1 & 2 cooling tower canal. The capacity of the canal is estimated to be in excess of 250,000 gallons.

These "high pressure" pumps supply all fire hydrants except those mentioned above, hose connections, boiler front sprinklers and all water spray systems protecting unit 5.

Plant operating personnel churn test pumps weekly to the extent that they are started and run for a short period of time. Records of these tests are maintained.

(b) **Yard Mains and Hydrants:** The plant underground fire main system consists of looped 6 and 8-inch cast iron mains installed between 1953 and 1963. Adequate sectional control valves (PIVS) are provided to enable selective isolation of all parts of the system.

Wet-barrel hydrants and associated hose houses are well-dispersed throughout the property.

SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION
8996 ETIWANDA BOULEVARD
RANCHO CUCAMONGA, CA 91739

OCTOBER 15, 1993

Exposure sprinklers for the tank shells are not provided. There is no emergency response team beyond a first-aid fire response. Southern California Edison does not have a mutual aid agreement with any of the surrounding industries.

(a) **Public Water Supplies:** Public water supplies are from the Metropolitan Water District, which supplies the on-site reservoir, as well as the local municipal supply. This reportedly consists of a 12-inch underground main at the east central portion of the property.

(b) Fire Department: Public fire protection is provided by the Foothill Fire District, whose nearest station is approximately 2.5 miles distant. The fire department conducts all orientation and training and visits the plant twice annually.

(c) ISO Protection Class: The plant is located in San Bernardino County, approximately 3 miles north of Interstate 10 on Etiwanda Boulevard. This area is graded Protection Class 5.

RECOMMENDATIONS

None.

REFERENCES

- NFPA 30, Flammable and Combustible Liquids Code 1993,
- Uniform Fire Code 1991 ed,
- Factory Mutual Data Sheet 7-88, 1976, and
- Fire Prevention and Control Plan for Combustible Liquids, for the Etiwanda Generating Station.

RGH:rgh/odk
SCER99-10/93

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

February 17, 1993

United States Environmental
Protection Agency - Region 9
Field Operations Branch
Mail Code: H-8
75 Hawthorne Street
San Francisco, CA 94105-3901

Subject: Submittal of Facility Oil Spill Response Plans per the Oil Pollution Act of 1990

Enclosed please find Oil Spill Response Plans for ten (10) Southern California Edison Company non-transportation oil storage facilities. The facilities meet the regulatory inclusion parameters of greater than 1,000,000 gallons of oil storage and proximity to an environmentally sensitive area.

Following conversations with EPA staff in both Washington D.C. and Region 9, Edison crafted the response plans to meet the requirements set forth in the Oil Pollution Act of 1990 (compatability with NCP and ACP, identified qualified individual, etc.). We have included with the plans a copy of the response capability of our oil spill cleanup contractor, AM Pumping, Inc.. Edison has established purchase order agreement No. Z2023010 with AM Pumping for oil spill response. Edison's procurement practices do not allow us to distribute copies of our purchase order with AM Pumping due to confidentiality issues. However, if you need further documentation on this issue, please contact me and we can work to establish a mutually agreeable form of confirmation.

Edison recognizes that more complete regulations covering response plan requirements are presently being crafted and a draft proposal is soon to be published. However, this information is too late to aid us in the development of the plans required to meet the February 18, 1993 submittal deadline. Once these regulations have been finalized, we will revise our response plans to bring them into compliance with the new regulations.

Should you have any questions regarding the enclosed oil spill response plans, please contact me at (818) 302-1733.

Sincerely,

Paul R. Purington
Environmental Specialist

enclosures

6944361583

ETIWANDA GENERATING STATION

OPA FACILITY RESPONSE PLAN

EMERGENCY RESPONSE ACTION PLAN

The emergency response action for the Etiwanda Generating Station shall be in accordance with the procedures set forth in this Response Plan, the Station's Spill Prevention, Control and Countermeasure Plan (SPCC) and Station Order No. E-0-6.

FACILITY INFORMATION

Name: Etiwanda Generating Station

Type of Facility: Steam Electric Generating Station

Location: Southern California Edison Company
Etiwanda Generating Station
8996 Etiwanda Avenue
Etiwanda, Ca 91739

Owner/Operator: Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, Ca 91770

EMERGENCY NOTIFICATION INFORMATION

The Generating Station Manager, or his designated representative, has the authority to implement removal actions and will be responsible for notification of all agencies required by law.

Station Manager:	Ronald W. Hull	(714) 899-7241
Supervisor, Plant Engineering:	James H. Fuller	(714) 899-7244

Organization	Telephone
National Response Center	(800) 424-8802
or	
Regional Response Center	(310) 499-5555
Duty officer	
United States Coast Guard	
Long Beach, California	
Fire Department	(714) 899-1011
	911
Company Response Team	
Vice President of Power Production	(818) 302-1601
Environmental Affairs	(818) 302-9765
Energy Control Center	(818) 308-6717
Corporate Communications	(818) 302-7951
Claims	(818) 302-6911
Fuel Pipeline Operations Manager	(310) 608-5222
Containment/Cleanup Contractor	
A. M. Pumping, Inc. Environmental Sevices	(800) 649-6990

DISCHARGE DETECTION PROCEDURES AND EQUIPMENT

Fuel Oil Storage

Inspected once each 8-hour shift. Tank levels can be read locally or remotely in the control room manned on a 24-hour basis.

Lube Oil Sytems

Inspected once each 8-hour shift.

Transformers

Inspected once per 8-hour shift.

IMPLEMENTATION PLAN FOR CONTAINMENT AND DISPOSAL

Containment and disposal shall be in accordance with the procedures set forth in this Response Plan, the Station's Spill Prevention, Control and Countermeasure Plan (SPCC), Station Order No. E-0-6 and Division Order No. D0-8.

Containment

Fuel oil storage tanks are located behind berms with sufficient capacity to contain the entire tank capacity plus 10%.

All lube oil areas are containment curbed and floor drains lead to plant drain system which is served by an oil/water separator and then to a retention basin. Waste oil from the retention basin is removed by vacuum truck and recycled at Edison's Long Beach Pipeline facility. The retention basin is routinely inspected for integrity.

Transformers are either curbed or placed in gravel with sufficient pore space to capture a leak or spill.

The discovery of a leak or spill will trigger the response and notification actions outlined in this Facility Response Plan and Station Order No. E-0-6. Edison maintains a cleanup response contract with A. M. Pumping, Inc.

TRAINING

Edison operator training on spill prevention, the SPCC Plan and the Station Spill Contingency Plan is held annually or as necessary to include new provisions or requirements. New employees are trained within six months of date of hire.

Contractor personnel training should be to applicable OSHA standards. However, such training is the sole responsibility of the contractor and not Edison.

FACILITY DIAGRAM

See Drawing No. 1

SECURITY

The plant area is fullym fenced with a security officer on duty during the day shift. Facility lighting is adequate for the discovery of any spills occuring during the hours of darkness.

REVIEW AND UPDATE

This plan will be reviewed periodically to insure the plan is current and up to date. The plan will be revised and resubmitted for approval for each significant change that occurs. Significant changes may include physical changes in the facility design and structures, new regulatory requirements, changes required by revisions in National Contingency Plans and Area Contingency Plans.

HAZARD IDENTIFICATION AND PREVIOUS SPILLS

Hazard Identification

See Table 1

Previous Reportable Spills

None

DISCHARGE SCENARIOS

Small Discharge = less than or equal to 2,100 gallons

Example:

Failure of Unit 7A Ground Bank Transformer
(1,800 gallons)

Response actions per Station Order No. E-0-6

Medium Discharge = 2,101 gallons to 36,000 gallons

Example:

Failure of 66 kV Switchyard - 5A Bank Transformer
(22,415 gallons)

Response actions per Station Order No. E-0-6

Worst Case Discharge = Largest single tank within a secondary containment area = 13,524,000gallons (322,000 barrels)

Example:

Failure of either the Southwest or Southeast Fuel Tank
(13,524,000 gallons)

Response actions per Station Order No. E-0-6

Disposal

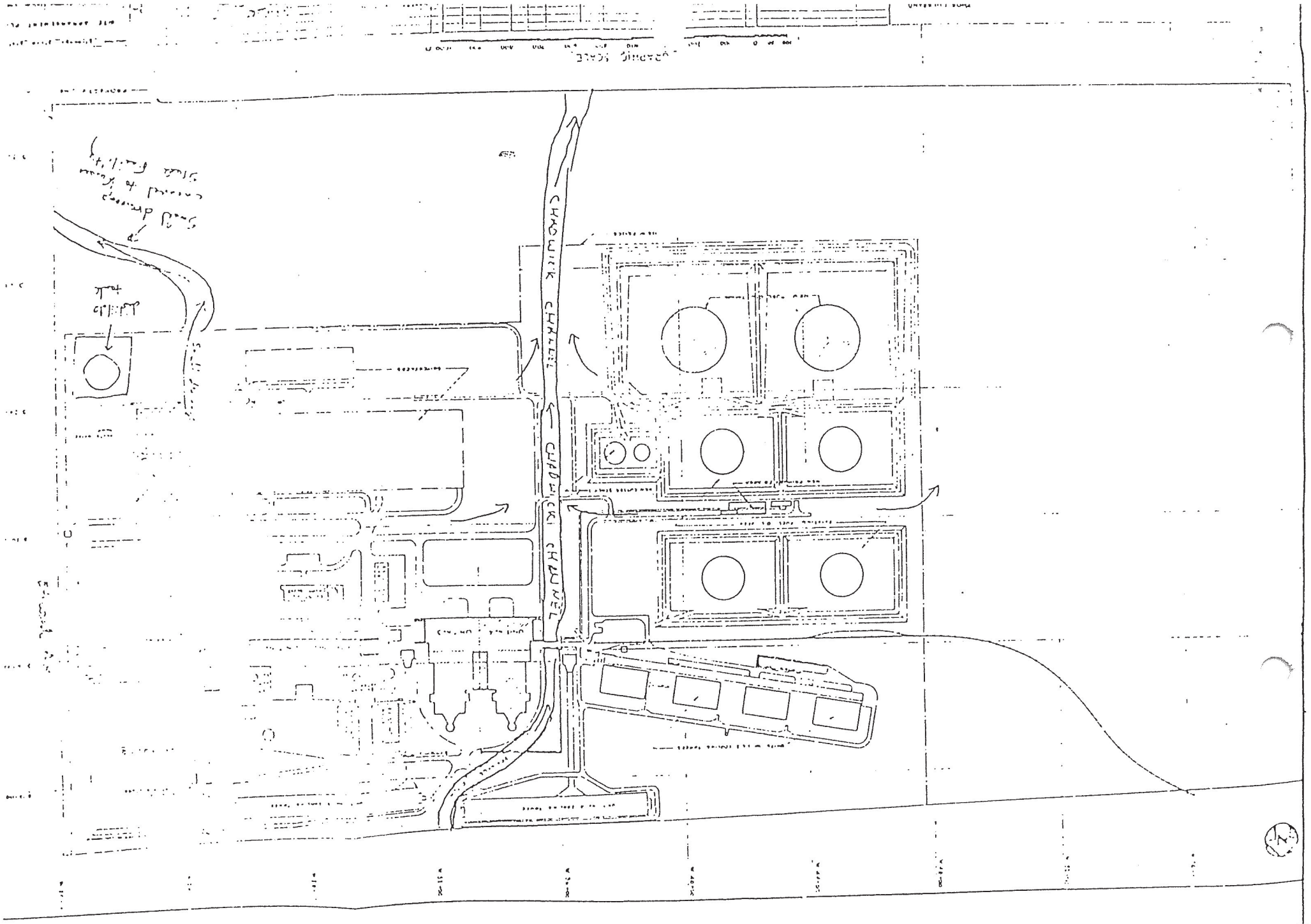
Any petroleum products that are released will be cleaned up and disposed of according to applicable federal, state and local laws.

Should dispersants or other chemicals be used to contain, cleanup, and/or dispose of an oil release, only government approved products will be utilized. Sinking agents shall not be used on an oil discharge to water.

TRANSFORMER	QUANITITY	BARRELS*	GALLONS*
UNIT 5 MAIN	1	161	6,775
UNIT 5 AUXILIARY	1	10	399
66 KV SWITCHYARD -5A BANK	1	534	22,415
66 KV SWITCHYARD - 6A BANK	1	466	19,590
6A GROUND BANK	1	53	2,230
66KV SWITCHYARD - 7A BANK	1	504	21,150
7A GROUND BANK	1	43	1,800

LUBRICATING OIL	QUANITITY	BARRELS*	GALLONS*
UNIT 3&4 MAIN	2	338	1,000
UNIT 3&4 SPARE	1	238	1,000
UNIT 1&2 MAIN	2	100	4,200
UNIT 1&2 SPARE	3	143	6,000

*EACH TRANSFORMER


CHADWICK CHANNEL

FOOTHILL FIRE DISTRICT

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: _____

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

- (✓) STORE
- (✓) USE
- ( ) INSTALL
- ( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: Southern California Edison
(Name of Business)

LOCATED AT: 8996 Etiwanda Avenue
(Business Address)

BRIEFLY DESCRIBE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES, FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS.

2,000 lbs. of hydrogen gas = 384,000 cubic feet Compressed gas, flammable

( ) *IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED WITH THIS APPLICATION.*

THIS APPLICATION IS APPROVED ( ) DENIED ( )

_____
SIGNATURE *TITLE*

DATE _____

_____
NAME OF APPLICANT - PLEASE PRINT

_____
APPLICANT'S SIGNATURE

TELEPHONE _____

_____
FIRE DEPARTMENT REPRESENTATIVE

Foothill Fire Protection District
P. O. Box 35 - 6623 Amethyst
Rancho Cucamonga, CA 91701
(714) 987-2535

FOOTHILL FIRE DISTRICT

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: _____

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

- (✓) STORE
- (✓) USE
- ( ) INSTALL
- ( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: Southern California Edison
(Name of Business)

LOCATED AT: 8996 Etiwanda Avenue
(Business Address)

BRIEFLY DESCRIBE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES, FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS.

300,000 gallons JP5 (above ground storage)
flammable liquid FP 95°F

( ) *IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED WITH THIS APPLICATION.*

THIS APPLICATION IS APPROVED ( ) DENIED ( )

_____
SIGNATURE *TITLE*

DATE _____

_____
NAME OF APPLICANT - PLEASE PRINT

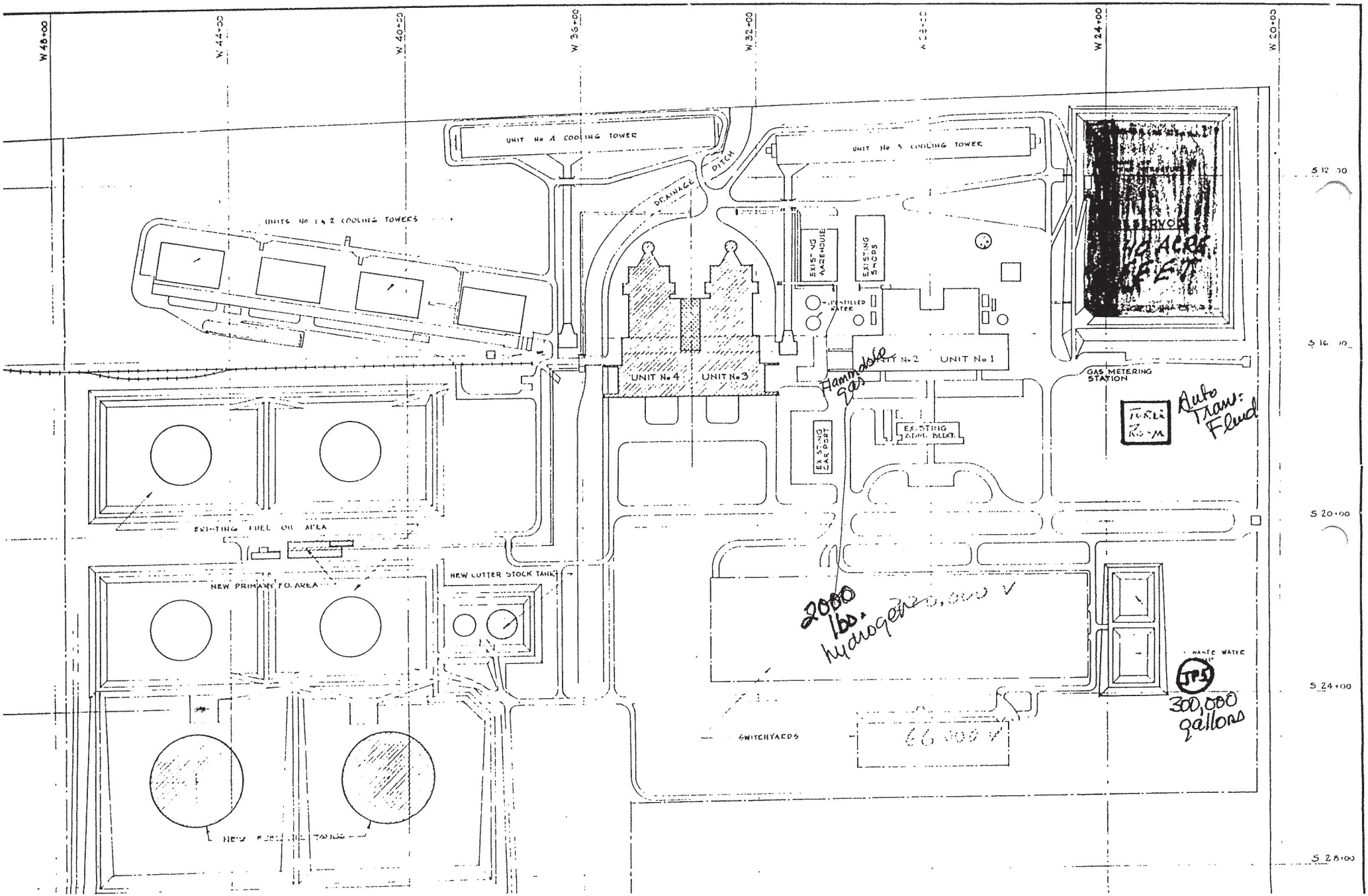
_____
APPLICANT'S SIGNATURE

TELEPHONE _____

_____
FIRE DEPARTMENT REPRESENTATIVE

Foothill Fire Protection District
P. O. Box 35 - 6623 Amethyst
Rancho Cucamonga, CA 91701
(714) 987-2535

300,000 gal


W 48+00
W 44+00
W 40+00
W 36+00
W 32+00
W 28+00
W 24+00
W 20+00
S 12+00
S 16+00
S 20+00
S 24+00
S 28+00
UNIT No 4 COOLING TOWER
UNIT No 5 COOLING TOWER
DITCH
DRAINAGE
UNITS No 1 & 2 COOLING TOWERS
EXISTING WAREHOUSE
EXISTING SHOPS
DEMINERALIZED WATER
UNIT No 4
UNIT No 3
UNIT No 2
UNIT No 1
Flammable gas
GAS METERING STATION
Auto Trans. Fluid
EXISTING CAR PORT
EXISTING ADM. BLDG.
EXISTING FUEL OIL AREA
NEW CUTTER STOCK TANK
NEW PRIMARY F.O. AREA
2000 lbs. hydrogen
WASTE WATER
300,000 gallons
SWITCHYARDS
66,000 V

ETIWA . GENERATING STATION
DESCI. ION OF OIL FACILITIES
STORAGE CAPACITY GREATER THAN 200 GALLONS

ATTA ENT 1

CONTAINER FUEL OIL	BARRELS	GALLONS	COMMENTS
NORTHEAST TANK	131,500	5,523,000	CYLINDRICAL 140' DIA X 48'
NORTHWEST TANK	131,500	5,523,000	CYLINDRICAL 140' DIA X 48'
WESTCENTER TANK	131,500	5,523,000	CYLINDRICAL 140' DIA X 48'
EASTCENTER TANK	131,500	5,523,000	CYLINDRICAL 140' DIA X 48'
SOUTHWEST TANK	322,000	13,524,000	CYLINDRICAL 219' DIA X 48'
SOUTHEAST	322,000	13,524,000	CYLINDRICAL 219' DIA X 48'
DISTILLATE TANK	21,500	903,000	CYLINDRICAL 64' DIA X 40'
CUTTER STOCK TANK	15,000	630,000	CYLINDRICAL 48' DIA X 48'
CUTTER STOCK TANK	27,500	1,155,000	CYLINDRICAL 64' DIA X 48'

TRANSFORMER	QUANTITY	BARRELS*	GALLONS*
UNIT 1&2 SPARE MAIN	1	174	7,290
UNIT 1 MAIN	3	174	7,290
UNIT 2 MAIN	3	174	7,290
UNIT 3&4 SPARE MAIN	1	283	11,900
UNIT 3 MAIN	1	471	19,800
UNIT 4 MAIN	1	471	19,800
UNIT 1 RESERVE AUXILIARY	1	101	4,240
UNIT 1&2 STATION SERVICE	3	15	610
UNIT 1 LIGHTING	3	5	228
UNIT 1&2 COOLING TOWER SUB.	4	10	430
UNIT 3&4 RESERVE AUXILIARY	1	68	2,840
UNIT 3&4 AUXILIARY	2	63	2,640
UNIT 3&4 STATION SERVICE	2	25	1,069
UNIT 3&4 MAKE-UP WATER SUB	2	5	200
UNIT 3&4 COOLING TOWER SUB	4	9	370
UNIT 5 SPARE MAIN	1	225	9,430

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date: August 16, 1978

Name: Etiwanda Generating Station

Address: 8996 Etiwanda Avenue, Rancho Cucamonga

To: install one u/g tank 548 gallons

At: 8996 Etiwanda Avenue, Rancho Cucamonga California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: Susan D. Wolfe
Susan D. Wolfe

Title: Fire Prevention Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

HAZARDOUS MATERIALS TANKS
INSPECTION REPORT

COMPANY NAME So. Calif. Edison ADDRESS 5996 Fontana Avenue
INSTALLATION LOCATION SAA
PROPERTY OWNER So. Calif. Edison ADDRESS
INSTALLER ADDRESS
PRESSURE: VACUUM

TANKS AND DISPENSERS

. Tank (New)
IL# 198079 Date new '85 Cap. 548 gal Mfg. Owens-Corning DWT-4
Tank (Used)
leaned & Tested? — By
ents: Diameter 2'1" Height 12' Swing Joint? Yes above grade

Dispensers - Antique
Pump # 06101140
Serial #
UL #
Make/Model Leland Mt.

. Tank (New)
L# Date Cap. Mfg.
Tank (Used)
leaned & Tested? By
ents: Diameter Height Swing Joint?

Pump #
Serial #
UL #
Make/Model

. Tank (New)
L# Date Cap. Mfg.
Tank (Used)
leaned & Tested? By
ents: Diameter Height Swing Joint?

Pump #
Serial #
UL #
Make/Model

. Tank (New)
L# Date Cap. Mfg.
Tank (Used)
leaned & Tested? By
ents: Diameter Height Swing Joint?

Pump #
Serial #
UL #
Make/Model

. Tank (New)
L # Date Cap. Mfg.
Tank (Used)
leaned & Tested? By
ents: Diameter Height Swing Joint?

Pump #
Serial #
UL #
Make/Model

. Tank (New)
L # Date Cap. Mfg.
Tank (Used)
leaned & Tested? By
ents: Diameter Height Swing Joint?

Pump #
Serial #
UL #
Make/Model

1853

County of San Bernardino

KENNETH C. TOPPING
Deputy Administrator
Development Services

RICHARD L. ROBERTS. R.S., M.P.H.
Director

Also serving the cities of:

Adelanto	*Needles*
Barstow	*Ontario*
Big Bear Lake	*Rancho Cucamonga*
Chino	*Redlands*
Colton	*Rialto*
Fontana	*San Bernardino*
Grand Terrace	*Upland*
Loma Linda	*Victorville*
Montclair	

ENVIRONMENTAL PUBLIC WORKS AGENCY

ENVIRONMENTAL HEALTH SERVICES

☒ 385 North Arrowhead Avenue
San Bernardino, CA 92415-0160
(714) 383-1617

☐ 320 East "D" Street
Ontario, CA 91764
(714) 988-1324

☐ 15505 Civic Center Drive
Victorville, CA 92392
(619) 243-8141

☒ Haz Waste & Toxics
(714) 383-7170

PLEASE REPLY TO ADDRESS CHECKED

January 21, 1986

Southern California Edison
P.O. Box 800
Rosemead, CA 91770

ATTN: WENDELL SUYAMA

SUBJECT: UNDERGROUND TANK INSTALLATION AT 8996 ETIWANDA AVENUE, ETIWANDA, CA

The plans submitted for the underground storage facility at 8996 Etiwanda Avenue, Etiwanda, CA have been conditionally approved. The approval includes containment and leak detection systems for the tanks and piping and overfill protection for the tanks. It shall not take the place of any other required approvals (e.g., fire, electric, air quality). Additional recommendations and/or requirements are:

1). All monitoring points must be provided with tamper proof, fluid tight access.

The completed system must be hydrostatically tested, pressure tested or equivalent in the presence of an inspector before backfilling is completed. Tanks and suction system piping are to be pressure tested at 4.5 to 5.0 PSI for 30 minutes prior to final approval.

The first required inspection will be prior to setting the tanks. Appropriate bedding material must be in place and U.L. numbers will be verified at this time. Please advise us at least 48 hours in advance of requested inspection time.

If you have any questions please call at (714) 383-7170 or (714) 383-1856.

RECEIVED
JAN 22 1986
Foothill Fire District

RICHARD L. ROBERTS, R.S., MPH
Director

Lynette E. Reichert

LYNETTE E. REICHERT, MPH
Environmental Specialist I

RLR:LER:vb

ETIWANDA GENERATING STATION

MEMORANDUM

APRIL 30, 1984

TO: SUSAN D. WOLF
Fire Prevention Inspector
Foothill Fire District

SUBJECT: HAZARDOUS MATERIALS

As per your memo dated April 20, 1984, the following is a list of flammable liquids, compressed gasses, toxic substances, and hazardous materials used and stored at the Etiwanda Generating Station:

A. Flammable Liquid

1. Acetone
2. Distillate Fuel (JP-5)
3. Gasoline (bulk storage - underground tank)
4. Kerosene (bulk storage - underground tank)
5. Fuel oil (bulk storage tank)
6. Paint thinner
7. Lacquer thinner
8. Methyl alcohol
9. Bola degreaser
10. Clean a part degreaser
11. Lubricating oils.

B. Compressed Gasses

1. Acetylene
2. Argon
3. Hydrogen (H^2)
4. Nitrogen (N^2)
5. Oxygen (O^2)
6. Breathing Air
7. Carbon Dioxide (CO^2)
8. Sulfur Hexafluoride (SE^6)
9. Span gas (NO^X)
10. Cal Gas (mixture of NO^X, O^2 and N^2)
11. Test Gas (mixture of H^2, O^2 and N^2)
12. Propane (bulk storage tank empty)

C. Toxic Substance

1. Acetone
2. Aqua ammonia (30 wt%)
3. Calcium hypochlorite
4. Disodium phosphate
5. Hydrazine (35 wt%)
6. Mercury
7. Methyl alcohol
8. Sodium carbonate (soda ash)
9. Sodium chromate
10. Trisodium phosphate (43 wt %)
11. Ethyl combustion improver 2 (C1-2)

D. Hazardous Materials

1. Aqua ammonia (30 wt%)
2. Hydrazine (35 wt%)
3. Sodium chromate
4. Sodium carbonate (soda ash)
5. Sulfuric acid (98 wt%)

If you have any additional questions regarding this matter, please call me at 987-2561.

Sincerely,

E. F. Ryan
Manager
Etiwanda Generating Station

EFR:rs

C P E I CORPORATION

HEALTH AND SAFETY PLAN

UNDERGROUND FUEL STORAGE TANK REMOVAL AND ABOVE GROUND STORAGE TANK INSTALLATION PROJECT

Rancho Cucamonga Fire Protection District
APPROVED
☑ As Submitted ☐ With Noted Conditions
By _____ Date 11/5/99
Kevin D. Walton, Fire Inspector

Prepared for:
SOUTHERN CALIFORNIA EDISON (SCE)
8996 Etiwanda Ave
Etiwanda, CA 91739

BOX ENTERPRISES

21421 Pensacola Circle
Huntington Beach, CA 92646
714-402-6251 Fax #714-963-9367

FAX COVER SHEET

DATE: October 29, 1999

FAX TO: *Kevin* ***FAX #*** *909-477-2711*

FROM: *Laura Box* ***PHONE:*** 714-402-6251

TOTAL PAGES: *3 including cover sheet*

JOB SITE:

Southern California Edison Co.
8996 Etiwanda Ave.
Rancho Cucamonga, CA

Kevin,

Following is Addendum #3 for your approval, in regards to the Tank Removal Permit that we are required to obtain.

Laura

Southern California Edison Co.
8996 Etiwanda Ave.
Rancho Cucamonga, CA

ADDENDUM #3

Tank Removal :

1. Erickson (ECI) will be hauling Tank as Hazardous Waste and disposing of the UST.

2. CPEI will install 20 lbs of dry ice per 1000 gallons of UST (being removed) capacity, All opening in the tank will be tightly plugged, capped, etc. except for a single vent hole that will exceed 1 inch during transportation to ECI facility.

3. Action Levels for Respiratory Protection:

Compounds	Level D	Level C	Level B	Stop Work Or Evacuate
Unknown Hydrocarbons	5	10	10	100
Benzene	<1	1	1	5
Toulene	50	150	200	400
Ethylbenzene	50	125	200	400
Xylenes	50	150	200	400
Petroleum Hydrocarbons	50	150	200	400
*1,2,3 - Trichloropropane	-0-	-0-	-0-	-0-
Cholorinated Solvents	5	10	25	100

*Action Levels will be followed as those of Petroleum Hydrocarbons.

(714)765-4

Fire Safety Division - Construction Unit
Rancho Cucamonga Fire Protection District
10500 Civic Center Drive, Rancho Cucamonga, CA 91730 (909) 477-2730

PLAN CHECK CORRECTIONS

Occupancy Type _____ Plan Type UST PLAN CHECK Occupant load _____

Site Address SCE 8996 ETIWANDA AVE. Plan Check # _____

1	PLEASE RE-WRITE THE FIRST STATEMENT IN ADDENDUM #2 TO INCLUDE "HAULED AS HAZARDOUS WASTE" (OR EQUIVALENT)
2	REPLACE THE SECOND STATEMENT WITH THE ATTACHED SAMPLE ACTION LEVELS VALUES.
3	INCLUDE IN STATEMENT 4 THAT ALL OPENINGS IN THE TANK WILL BE TIGHTLY PLUGGED, CAPPED, ETC. EXCEPT FOR A SINGLE VENT HOLE THAT WILL NOT BE OPENED UNTIL DURING TRANSPORTATION TO ECT FACILITY.

Return these sheets with revised plans and all previously submitted plans and specifications when corrections have been made thereon.

Check by: KW Date: 10/26/99 Sht. ___ of ___ Plan Corr. Verified _____

ADDENDUM #2

1) Erickson (ECI) will be hauling and disposing of the UST. (HAULED AS HAZARDOUS WASTE)

2) The minimum amount of monitored oxygen before going to a full face respirator is 19.2%

3) Attached is a MSDS Sheet for BTEX in soil & water with ppm shown for each chemical

4) CPEI will install 20 lbs of dry ice per 1000 gallons of UST (being removed) capacity

file

RELIANT ENERGY
NO_x CONTROL PROJECT
PHASE 1
PRELIMINARY ENGINEERING

PROCESS DESCRIPTION

The NO_x control system to be installed on Reliant Energy's Etiwanda Units 1 and 2 will consist of a Selective Catalytic Reactor (SCR) system that uses a 19.1% aqueous ammonia solution as the reagent.

Ammonia Unloading, Storage and Feed

This project includes ammonia storage, tank-truck unloading, and feed facilities. The storage tank will be a 12,500-gallon nominal capacity designed to supply a 7-day inventory of ammonia while operating the Units at full load. At full load the calculated usage rate of ammonia is 0.62 gpm per Unit.

The 316L S/S tank is designed with a 25 psig MAWP. The tank is equipped with a level transmitter, pressure gauge, and safety valve. A concrete wall will be built around the storage tank area that can contain the entire contents of the tank and a valve will be provided to contain a spill. This valve will normally be closed and only opened to release rainwater to the retention pond. The tank-truck unloading area will have a rollover curb to contain any accidental spills and this area will also drain to the retention pond.

LaRoche will bring the aqueous ammonia to the site in a tank-truck and their tank-trucks are all equipped with unloading pumps. Two lines are required from the tank-truck to the storage tank, a liquid unload line and a vapor equalization line. Check valves are supplied in the liquid line to prevent reverse flow.

Two ammonia feed pumps will be installed; one operating pump and a common spare. A common liquid ammonia header will supply Units 1 and 2 with ammonia. A positive-displacement rotary-gear pump is used with a pressure-control spillback loop back to the tank. This configuration is optimal for this low-flow, medium-head application. The pump is a sealless, mag-drive design and is less than 1 HP.

Ammonia Feed and Injection

Liquid ammonia feed is controlled to each SCR reactor with a flow control valve. The setpoint for this flow control loop is provided from the NO_x analyzers installed before and after the SCR catalyst bed. The ammonia is injected into the flue gas stream through ten injection lances. The injection lances use atomization air and a mixing nozzle to provide good dispersion of the liquid ammonia in the flue gas. Each injection nozzle has a mixing disk to create additional mixing turbulence.

URS

SCR Reactor

The SCR catalyst bed will be located in the transition elbow going into the air heater. Two SCR's are installed per Unit. The bed has been designed with minimal depth and a larger cross-section to minimize pressure drop and still get adequate volume and removal efficiency. The capacity of the FD and ID fans is marginal and is presently being studied by FERCo to understand if de-rates of the unit might be required.

Fire Safety Division - Construction Unit

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730

(909) 477-2730

Plan Check #

PLAN CHECK REPORT

Occupancy Type U-2 **Plan Type** Above Ground Tank Install **Occupant load** _____

Project Name Southern California Edison

Site Address 8996 Etiwanda

Item #	*Code Reference*	*Comment*
1.	UFC 1001	The underground tank removal shall be submitted separately to Fire Safety.
2.	UFC 7901	Review Policy #1-88 (Rev) 8/95, and address design comments on plans. $132 UNDERGROUND STORAGE TANK REMOVAL PERMIT FEE, AND $84 FLAMMABLE/COMBUSTIBLE LIQUID STORAGE PERMIT FEE IS NOW DUE TO THE RANCHO CUCAMONGA FIRE PROTECTION DISTRICT.

Return these sheets with revised plans and all previously submitted plans and specifications when corrections have been made thereon.

Check by: R. Nee Date: 9/2/99 Sht. 1 Plan Corr. Verified jm for RN

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

APPLICATION FOR ALTERNATE METHOD

Date 8.16.99 Request # 05217

PC # _____ Permit # _____ Project/File Name So Cal Edison Co.
Project Address 8996 ETIWANDA AVE
Person Requesting Change LARRY JOHNSON Title OWNER AGENT
Representing So Cal Edison Co. Ph 909-394-8948

I/We request the following change in building/development requirements or inspection procedures. *(Attach plans, drawings, spec sheets, narrative, etc., as necessary to support proposal):*

PROPOSED CHANGE: INSTALL NEW 250 GALLON ABOVE GROUND TANK IN ORDER TO REPLACE UST FOR FUELING OF THE ~~EMERGENCY GENERATOR SYSTEM~~ Fuel Dispensing for company equipment
RN 12/2/99

REASON FOR CHANGE: MUST HAVE FUEL FOR ~~EMERGENCY GENERATOR~~. UST TO BE REMOVED Fuel dispensing for company equipment. RN 12/2/99

Signature James A Box Date 8-16-99 Supporting Documents Attached? ☐

RCFPD Office Use Below This Line

Applicable Codes/Procedures UFC SECTIONS 103 & 104 practicality and alternate methods

☑ APPROVED ☐ DISAPPROVED By Ralph Crane Title BC/FM Date 8-19-99
And Title Date 8-19-99

NOTE: This decision is specific to this requested change only and is based solely on the facts included herein.

CONDITIONS OF APPROVAL: THE ABOVE GROUND FUEL STORAGE TANK SHALL BE INSTALLED IN ACCORDANCE WITH SAN BERNARDINO COUNTY FIRE CHIEFS POLICY # 1-88 (Rev.) 8.27.93, UFC FD. ORDERS SECTION 104

JUSTIFICATION: Aboveground aids in monitoring of fuel tanks for visual observation, with additional installation criteria as noted above UFC 9901, 5201

Supplemental (FSD 2A) Attached? ☐ Fee Paid ☑ Date 8-16-99 Amount 92.00
#020295

Copies to: B&S ___ PLNG ___ ENGR ___ Other ___ (_____)

FSD-2 (REV. 6/96) WHITE-OCCUPANCY/PROJECT CANARY-APPLICANT PINK-BINDER

Fire Safety Division - Construction Unit

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730

(909) 477-2730

Plan Check #

PLAN CHECK REPORT

COPY

Occupancy Type U-2 Plan Type Aboveground Tank Install Occupant load

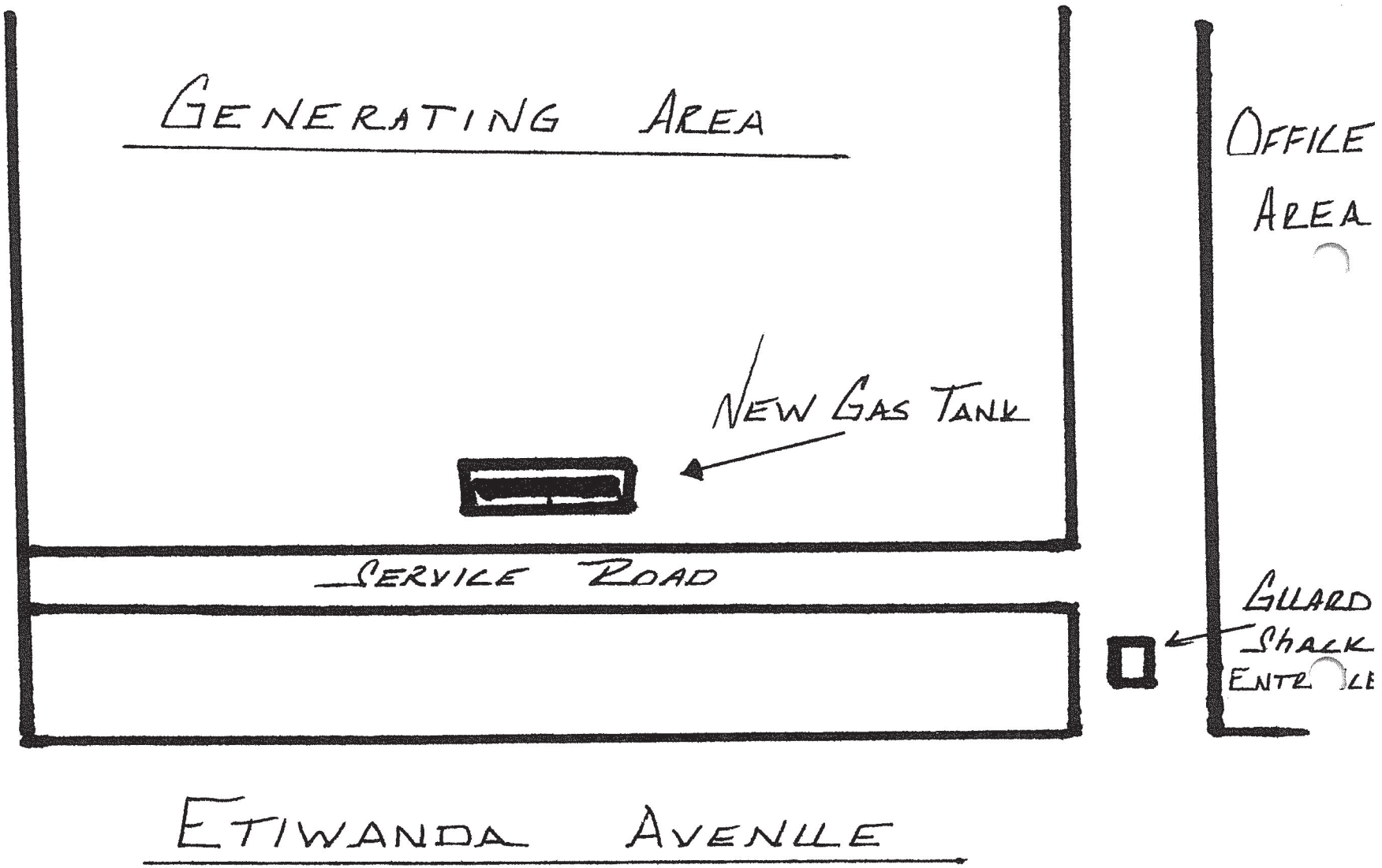
Project Name Southern California Edison

Site Address 8996 Etiwanda

Item #	Code Reference	Comment
1.	UFC 7901	The installation of aboveground storage tank requires Fire Marshal approval prior to plan review.
2.	UFC 7901	The underground tank removal shall be submitted separately to Fire Safety.
3.	UFC 105	Complete and return permit applications: a. Flammable and combustible liquids b. Aboveground tank installations c. Underground tank removals
4.		Fees due = $85 + $132 + $121.

Return these sheets with revised plans and all previously submitted plans and specifications when corrections have been made thereon.

Check by: R. Nee Date: 8/9/99 Sht. 1 Plan Corr. Verified RW



8996 ETIWANDA AVE.
ETIWANDA. CA

NO: 3679

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Southern California Edison DATE: 8/16/99

ADDRESS: 8996 Etiwanda PHONE: (714) 402-6251

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: "Above Ground Tank Installation" Quantity: 250 Gallons

AT: (Location of Permitted Use/Activity) 8996 Etiwanda Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

Expiration Date: 3-18-2

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

BY: [signature]

TITLE: Senior Building Insp

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name So California Edison

Address 8996 Etiwanda Ave

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

The Storage, use and handling of flammable and combustible liquids shall be in accordance with UFC, Article 79, 1994 edition

Type: "Above ground tank installation"

Quantity: 250 Gallons

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name Laura D. Box Phone 714-402-6251

Applicant's Signature Laura D Box Date 8-16-99

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED ( ) DENIED ( )

(Signature) (Date)

(Title)

Ron Nee
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

Fee Due $ 121.00 Date Paid_____

Rev. 3/92

AN CHECK STATUS SHEET

Plan Check #: | Plan Type: UST Removal | Permit #:

File #: Tickle | TR PM #: | Final Inspection: | BIN #:

Project Name: Southern California Edison

Address/Location: 8996 Etiwanda Ave | Map Page: 131

Date IN	IN From	Date OUT	OUT To
8/16/99	Contr.	11/8/99	Cont.

Date Approved: 11/5/99

P C By: Kevin

Fee Amount: $147, $132

Date Fee Paid: 11/9/99

Fire Flow 1: Required: | Available: | Witness: | Date:

Fire Flow 2: Required: | Available: | Witness: | Date:

Water Plans Signed | Date 2: | By 2:

Knox: | Blue Dots Purchased: | Haz Mat Form: | Intended Use Form:

Comments

CPEI Contractor
(714) 402-6251 - Contact - Laura Box
Pd. Fees $279.00 - 11/9/99

(714) 765-4367

Fire Safety Division - Construction Unit
Rancho Cucamonga Fire Protection District
10500 Civic Center Drive, Rancho Cucamonga, CA 91730 (909) 477-2730

PLAN CHECK CORRECTIONS

Occupancy Type _____ Plan Type UST PLAN CHECK Occupant load _____

Site Address SCE 8996 ETIWANDA AVE. Plan Check # _____

1. PLEASE RE-WRITE THE FIRST STATEMENT IN ADDENDUM #2 TO INCLUDE " HAULED AS HAZARDOUS WASTE" (OR EQUIVALENT.)
2. REPLACE THE SECOND STATEMENT WITH THE ATTACHED SAMPLE ACTION LEVELS VALUES.
3. INCLUDE IN STATEMENT 4 THAT ALL OPENING IN THE TANK WILL BE TIGHTLY PLUGGED, CAPPED, ETC. EXCEPT FOR A SINGLE VENT HOLE THAT WILL NOT EXCEED 1 INCH. DURING TRANSPORTATION TO ECI FACILITY.

BOX ENTERPRISES

21421 Pensacola Circle
Huntington Beach, CA 92646
714-402-6251 Fax #714-963-9367

FAX COVER SHEET

DATE: September 22, 1999

FAX TO: Kevin ***FAX # 909-477-2772***

FROM: Laura ***PHONE: 714-402-6251***

TOTAL PAGES: 5 including cover sheet

SUBJECT SITE:

Southern California Edison
8996 Etiwanda
Rancho Cucamonga

Following is the additional information you requested for our Tank Removal Permit. Should further information be needed please contact me.

Thank you,

Laura Box

ADDENDUM #1

1. All employees to wear fire retardant clothing during the tank removal process

2. ECI to haul, clean, and dispose of tank

3. Fire Inspector must be on site to witness the tailgate safety meetings and the introduction of dry ice into the tank. No work will be done on the tank removal before the dry ice has brought the oxygen and LEL to acceptable levels and the Fire Inspector is satisfied.

4. CPEI to have all safety equipment (fire extinguishers, barricades, first aid kit, hard hats, and protective clothing) on site at all times.

SCHEDULE OF EVENTS

DAY 1 - meet Fire Inspector on site
-- conduct safety meeting
-- inert tank with dry ice
-- saw cut concrete
-- remove, haul, and dispose of top cover
-- excavate soil around tank and piping
-- remove tank and piping; load on ECI's truck
-- obtain soil samples

DAY 2 - daily tailgate meeting
-- backfill and compact excavation

At A Later Date - Replace top cover after soil sample results return

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 5/21/2019 10:58 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	1 Crystal Simple Green Industrial Cleaner and Degreaser CAS No 111-76-2 Map: H Grid: D3	**Gallons** State Liquid Type Mixture	**200** Storage Container Plastic/Non-metalic Drum, Plastic Bottle or Jug Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	Waste Code	- Health Skin Corrosion Irritation	2-butoxy Ethanol Water	6 % 94 %		111-76-2 7732-18-5
DOT: 2.2 - Nonflammable Gases	**10 Nitrogen (Cylinder)** CAS No 7727-37-9 Map: III Grid: G2	**Cu. Feet** State Gas Type Pure	**1610** Storage Container Cylinder Days on Site: 365	**230**	1150 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Simple Asphyxiant				
	11 Oily Debris CAS No 70514-12-4 Map: H Grid: E3	**Pounds** State Solid Type Mixture	**8000** Storage Container Steel Drum Days on Site: 365	**450**	Pressue Ambient Temperature Ambient	30000 Waste Code 223	- Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity	Used Oil	15 %		70514-12-4
DOT: 2.1 - Flammable Gases Flammable Gas	**12 Propane** CAS No 74-98-6 Map: II Grid: F2	**Gallons** State Gas Type Pure	**200** Storage Container Cylinder Days on Site: 365	**10**	120 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION** | Chemical Location | CERS ID **10038976**

Facility Name **ETIWANDA GENERATING STATION** | Facility ID **FA0002943**

8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 | Status **Submitted** on 5/21/2019 10:58 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**13 Turbine Oil T32, Lubricating Oil (GST-32)** CAS No 64741-44-2 Map: H Grid: D3	**Gallons** State Liquid Type Pure	**200** Storage Container: Aboveground Tank, Tank Inside Building, Steel Drum, Can, Other Days on Site: 365	**55**	100 Pressue Ambient Temperature Ambient	Waste Code				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Oxidizing, Class 2	**14 Bleach / Sodium Hypochlorite** CAS No 7681-52-9 Map: III Grid: H1	**Gallons** State Liquid Type Pure	**3000** Storage Container: Aboveground Tank Days on Site: 365	**3000**	2600 Pressue Ambient Temperature Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	sodium hypochlorite sodium hydroxide	13 % 2 %	7681-52-9 1310-73-2
	15 Treated Wood Waste CAS No Map: II Grid: F1	**Pounds** State Solid Type Pure	**15000** Storage Container: Other Days on Site: 365	**15000**	Pressue Ambient Temperature Ambient	60000 Waste Code 352	- Health Carcinogenicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	Pressure Treated Wood		
	16 Universal Waste (Batteries, Light Tubes, Electronics) CAS No Map: V Grid: E4	**Cu. Feet** State Solid Type Waste	**108** Storage Container: Steel Drum, Plastic/Non-metalic Drum, Fiber Drum, Box Days on Site: 365	**27**	Pressue Ambient Temperature Ambient	270 Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 5/21/2019 10:58 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**17 Oxygen** CAS No 7782-44-7 Map: III Grid: G2	**Cu. Feet** State Gas Type Pure	**672** Storage Container Cylinder Days on Site: 365	**336**	672 Pressue > Ambient Temperature	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer			
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**2 Acetylene** CAS No 74-86-2 Map: II / III Grid: F2 / G2	**Cu. Feet** State Liquid Type Pure	**2000** Storage Container Cylinder Days on Site: 365	**417**	2000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Physical SelfHeating - Physical SelfReactive			
DOT: 2.2 - Nonflammable Gases	**3 Argon Compressed** CAS No 7440-37-1 Map: III Grid: G2	**Cu. Feet** State Gas Type Pure	**2000** Storage Container Cylinder Days on Site: 365	**336**	2000 Pressue Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Simple Asphyxiant			
DOT: 5.1 - Oxidizing Substances Oxidizing, Class 3, Water Reactive, Class 1, Corrosive, 32	**4 Chlorine Tablets, Accu-Tab SI, Hockey Pucks** CAS No 7778-54-3 Map: III Grid: G2	**Pounds** State Solid Type Pure	**1500** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	400 Pressue Ambient Temperature Ambient	Waste Code	- Physical Oxidizer - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	CALCIUM HYPOCHLORITE CALCIUM CHLORATE CALCIUM CARBONATE CALCIUM HYDROXIDE	65 % 2 % 2 % 2 %	7778-54-3 10137-74-3 471-34-1 1305-62-0
	5 Transformer Oil, Mineral Oil, Dielectric Oil CAS No 64742-46-7 Map: II/III/IV/V/VI Grid: F2/G2/C3/F3/G3	**Gallons** State Liquid Type Mixture	**9483** Storage Container Aboveground Tank, Tank Inside Building, Steel Drum Days on Site: 365	**3320**	9483 Pressue Ambient Temperature Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Hydrotreated Middle Distillate Hydrotreated Light Naphthenic Distillate	50 % 50 %	64742-46-7 64742-53-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2	**6 Lead Acid Batteries** CAS No 7664-93-9 Map: D / H / B Grid: G3 / E3 / H3	**Gallons** State Liquid Type Mixture	**19152** Storage Container Other Days on Site: 365	**56**	19152 Pressue Ambient Temperature Ambient	Waste Code 791	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Electrolyte/sulfuric Acid Lead	30 % 60 %		7664-93-9 7439-92-1
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**7 Gasoline** CAS No 8006-61-9 Map: VIII Grid: I5	**Gallons** State Liquid Type Pure	**300** Storage Container Aboveground Tank, Can Days on Site: 365	**250**	150 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 5/21/2019 10:58 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	8 Used Lube Oil, Used Oil CAS No 70514-12-4 Map: V / H Grid: E4 / E3	**Gallons** State Liquid Type Waste	**500** Storage Container Aboveground Tank, Steel Drum, Tank Wagon Days on Site: 365	**55**	110 Pressue Ambient Temperature Ambient	6000 Waste Code 223	- Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity	Lubricating oils, used	100 %		70514-12-4
	9 Mercury Debris CAS No 7439-97-6 Map: V Grid: E4	**Pounds** State Liquid Type Waste	**50** Storage Container Plastic/Non-metalic Drum, Bag, Plastic Bottle or Jug Days on Site: 365	**50**	Pressue Ambient Temperature Ambient	50 Waste Code 181	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Mercury			7439-97-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION** | Chemical Location | CERS ID **10038976**

Facility Name **ETIWANDA GENERATING STATION** | Facility ID **FA0002943**

8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 | Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**1 Acetylene** CAS No 74-86-2 Map: II / III Grid: F2 / G2	**Cu. Feet** State Liquid Type Pure	**2000** Storage Container Cylinder Days on Site: 365	**336**	2000 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Reactive - Pressure Release - Acute Health - Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Physical SelfHeating - Physical SelfReactive				
DOT: 2.1 - Flammable Gases Flammable Gas	**10 Hydrogen** CAS No 1333-74-0 Map: V / E / II Grid: E3 / E3 / F2	**Pounds** State Gas Type Pure	**427** Storage Container Cylinder Days on Site: 365	**17.7**	183 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant				
DOT: 2.2 - Nonflammable Gases Cryogen	**11 Nitrogen, Liquid (Bulk Tank)** CAS No 7727-37-9 Map: H Grid: F3	**Pounds** State Liquid Type Pure	**728** Storage Container Aboveground Tank Days on Site: 365	**728**	322 Pressue > Ambient Temperature Ambient	Waste Code	- Pressure Release - Acute Health - Physical Gas Under Pressure - Health Simple Asphyxiant				
DOT: 2.2 - Nonflammable Gases	**12 Nitrogen (Cylinder)** CAS No 7727-37-9 Map: VI/II/III/V/IV Grid: H3/F2/G2/E3/C3	**Pounds** State Gas Type Pure	**2740** Storage Container Cylinder Days on Site: 365	**24.3**	1812 Pressue > Ambient Temperature Ambient	Waste Code	- Pressure Release - Acute Health - Physical Gas Under Pressure - Health Simple Asphyxiant				

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.3 - Toxic Gases Flammable Gas, Irritant, Other Health Hazard	**14 EPA PROTOCOL MIXTURE (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)** CAS No 630-08-0 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Acute Health - Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity - Health Reproductive Toxicity - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	CARBON MONOXIDE HYDROGEN OXYGEN NITROGEN	2 % 2 % 3 % 93 %		630-08-0 1333-74-0 7782-44-7 7727-37-9
DOT: 2.3 - Toxic Gases Highly Toxic, Oxidizing Gas, Liquified	**15 Emission Test Gas (9 ppm Nitric Oxide & Nitrogen)** CAS No 10102-43-9 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Pressure Release - Acute Health - Chronic health - Physical Gas Under Pressure - Physical Oxidizer - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Nitric Oxide Nitrogen			10102-43-9 7727-37-9

Hazardous Materials And Wastes Inventory Matrix Report

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.3 - Toxic Gases Highly Toxic, Oxidizing Gas, Liquified	**17 Emission Test Gas (56 ppm Nitric Oxide & Nitrogen)** CAS No 10102-43-9 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Pressure Release - Acute Health - Chronic health - Physical Gas Under Pressure - Physical Oxidizer - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Nitric Oxide Nitrogen			10102-43-9 7727-37-9
DOT: 2.3 - Toxic Gases Highly Toxic, Oxidizing Gas, Liquified	**18 Emission Test Gas (92 ppm Nitric Oxide & Nitrogen)** CAS No 10102-43-9 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Pressure Release - Acute Health - Chronic health - Physical Gas Under Pressure - Physical Oxidizer - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Nitric Oxide Nitrogen	100 %		10102-43-9 7727-37-9
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**19 Oxygen** CAS No 7782-44-7 Map: III Grid: G2	**Cu. Feet** State Gas Type Pure	**6700** Storage Container Cylinder Days on Site: 365	**336**	5000 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Physical Gas Under Pressure - Physical Oxidizer				

Hazardous Materials And Wastes Inventory Matrix Report

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic	**2 Aqueous Ammonia 19%** CAS No 1336-21-6 Map: F / H Grid: E2 / E3	**Gallons** State Liquid Type Mixture	**17000** Storage Container Aboveground Tank, Tank Inside Building, Plastic/Non-metalic Drum, Tote Bin Days on Site: 365	**10000**	12000 Pressue Ambient Temperature Ambient	Waste Code 122	- Acute Health - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant	Ammonium Hydroxide Water	19 % 81 %		1336-21-6 7732-18-5
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**20 EMISSION TEST GAS (2 % OXYGEN & NITROGEN)** CAS No 7782-44-7 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Physical Gas Under Pressure - Physical Oxidizer	OXYGEN NITROGEN	2 % 98 %		7782-44-7 7727-37-9
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**21 EMISSION TEST GAS (5.5 % OXYGEN & NITROGEN)** CAS No 7782-44-7 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Physical Gas Under Pressure - Physical Oxidizer	OXYGEN NITROGEN	6 % 95 %		7782-44-7 7727-37-9
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**22 EMISSION TEST GAS (11 % OXYGEN & NITROGEN)** CAS No 7782-44-7 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Physical Gas Under Pressure - Physical Oxidizer	OXYGEN NITROGEN	11 % 89 %		7782-44-7 7727-37-9
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**23 EMISSION TEST GAS (22 % OXYGEN & NITROGEN)** CAS No 7782-44-7 Map: F Grid: D2E2	**Cu. Feet** State Gas Type Mixture	**980** Storage Container Cylinder Days on Site: 365	**140**	490 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Physical Gas Under Pressure - Physical Oxidizer	OXYGEN NITROGEN	22 % 78 %		7782-44-7 7727-37-9

Hazardous Materials And Wastes Inventory Matrix Report

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.3 - Toxic Gases Highly Toxic, Oxidizing Gas, Liquified	**23 Emission Test Gas (22 ppm Nitric Oxide & Nitrogen)** CAS No 10102-43-9 Map: F Grid: D2E2	**Cu. Feet** State: Gas Type: Mixture	**980** Storage Container: Cylinder Days on Site: 365	**140**	490 Pressue: > Ambient Temperature: Ambient	Waste Code	- Pressure Release - Acute Health - Chronic health - Physical Gas Under Pressure - Physical Oxidizer - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Nitric Oxide Nitrogen	 100 %		10102-43-9 7727-37-9
	24 PAINT AND THINNER MISCELLANEOUS WASTE CAS No Map: II Grid: F1	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum, Can Days on Site: 365	**55**	45 Pressue: Ambient Temperature: Ambient	Waste Code	- Acute Health - Chronic health - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	TOLUENE ACETONE ETHYLENE GLYCOL XYLENE ETHYL BENZENE	40 % 23 % 5 % 3 % 2 %		108-88-3 67-64-1 107-21-1 1330-20-7 100-41-4
DOT: 2.1 - Flammable Gases Flammable Gas	**25 Propane** CAS No 74-98-6 Map: II / VIII Grid: F2 / H5	**Gallons** State: Gas Type: Pure	**200** Storage Container: Cylinder Days on Site: 365	**80**	120 Pressue: > Ambient Temperature: Ambient	Waste Code	- Fire - Pressure Release - Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	26 SODA ASH, Sodium carbonate CAS No 497-19-8 Map: H / IV Grid: E3 / C3	**Pounds** State Solid Type Pure	**2000** Storage Container Bag Days on Site: 365	**50**	1500 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**27 Sodium Hydroxide 30%** CAS No 1310-73-2 Map: V Grid: E4	**Gallons** State Liquid Type Mixture	**100** Storage Container Tank Inside Building, Plastic/Non-metalic Drum Days on Site: 365	**100**	50 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health - Chronic health - Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Sodium Hydroxide	30 %		1310-73-2
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Oxidizing, Class 2, Other Health Hazard	**28 Bleach / Sodium Hypochlorite** CAS No 7681-52-9 Map: II / III Grid: F1 / H1	**Gallons** State Liquid Type Pure	**9000** Storage Container Aboveground Tank Days on Site: 365	**3000**	6500 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health - Chronic health - Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	sodium hypochlorite sodium hydroxide	13 % 2 %		7681-52-9 1310-73-2

Hazardous Materials And Wastes Inventory Matrix Report

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	29 Trisodium phosphate CAS No 7601-54-9 Map: H Grid: E3	**Pounds** State: Solid Type: Pure	**2000** Storage Container: Tank Inside Building, Bag Days on Site: 365	**50**	Pressue: Ambient Temperature: Ambient	Waste Code	- Acute Health - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard				
DOT: 2.2 - Nonflammable Gases Other	**3 Argon Compressed** CAS No 7440-37-1 Map: III Grid: G2	**Cu. Feet** State: Gas Type: Pure	**6000** Storage Container: Cylinder Days on Site: 365	**336**	6000 Pressue: Ambient Temperature: Ambient	Waste Code	- Pressure Release - Physical Gas Under Pressure - Health Simple Asphyxiant				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2, Toxic, Oxidizing, Class 1	**30 Sulfuric Acid** CAS No ✓EHS 7664-93-9 Map: II / II Grid: F1 / D1	**Pounds** State: Liquid Type: Pure	**284000** Storage Container: Aboveground Tank Days on Site: 365	**170435**	217260 Pressue: Ambient Temperature: Ambient	Waste Code	- Acute Health - Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Sulfuric Acid		✓	7664-93-9
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II, Carcinogen, Irritant	**31 Turbine Oil T32, Lubricating Oil (GST-32)** CAS No 64741-44-2 Map: VI/ V/III/C Grid: G3/F3/G3/C	**Gallons** State: Liquid Type: Pure	**54000** Storage Container: Aboveground Tank, Tank Inside Building, Steel Drum, Can, Other Days on Site: 365	**10000**	34700 Pressue: Ambient Temperature: Ambient	Waste Code					
	32 Transformer Oil, Mineral Oil, Dielectric Oil CAS No 64742-46-7 Map: VI / III / H Grid: G3/G3/E3F3	**Gallons** State: Liquid Type: Mixture	**144361** Storage Container: Aboveground Tank, Tank Inside Building, Steel Drum Days on Site: 365	**19870**	144361 Pressue: Ambient Temperature: Ambient	Waste Code	- Acute Health - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Hydrotreated Middle Distillate Hydrotreated Light Naphthenic Distillate	50 % 50 %		64742-46-7 64742-53-3

Hazardous Materials And Wastes Inventory Matrix Report

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2	**33 Lead Acid Batteries** CAS No 7664-93-9 Map: D / H / B Grid: G / E3 / B	**Gallons** State Liquid Type Mixture	**19152** Storage Container Other Days on Site: 365	**56**	19152 Pressue Ambient Temperature Ambient	Waste Code 791	- Acute Health - Chronic health - Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Electrolyte/sulfuric Acid Lead	30 % 60 %		7664-93-9 7439-92-1
DOT: 5.1 - Oxidizing Substances Oxidizing, Class 3, Other Health Hazard, Water Reactive, Class 1, Corrosive, 32	**35 Chlorine Tablets, Accu-Tab SI, Hockey Pucks** CAS No 7778-54-3 Map: III / E / H Grid: G2 / G2 / E3	**Pounds** State Solid Type Pure	**2200** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	1100 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health - Chronic health - Physical Oxidizer - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	CALCIUM HYPOCHLORITE CALCIUM CHLORATE CALCIUM CARBONATE CALCIUM HYDROXIDE	65 % 2 % 2 % 2 %		7778-54-3 10137-74-3 471-34-1 1305-62-0
	36 Nalco Dynacool 1383 Scale Inhibitor CAS No 79-10-7 Map: III Grid: H1	**Gallons** State Liquid Type Mixture	**750** Storage Container Aboveground Tank, Tote Bin Days on Site: 365	**750**	375 Pressue Ambient Temperature Ambient	Waste Code	- Physical Corrosive To Metal - Health Serious Eye Damage Eye Irritation	Acrylic Acid Acrylamide	1 % 1 %		79-10-7 79-06-01
	38 Nalco 3D Trasar 3DT199 - Cooling Water Treatment CAS No 15217-42-2 Map: II / I Grid: F1 / D1	**Gallons** State Liquid Type Mixture	**660** Storage Container Aboveground Tank Days on Site: 365	**330**	330 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	SODIUM BENZOTRIAZOLE SODIUM HYDROXIDE	60 % 1 %		15217-42-2 1310-73-2

Hazardous Materials And Wastes Inventory Matrix Report

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8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 — Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Irritant	**39 Nalco 7468 Cooling Water Defoamer** CAS No 7631-86-9 Map: H Grid: E3	**Gallons** State Liquid Type Mixture	**200** Storage Container Carboy, Other Days on Site: 365	**5**	75 Pressue Ambient Temperature Ambient	Waste Code		Amorphous Hydrated Silica Benzoic Acid (trace)	5 % 	 	7631-86-9 65-85-0
DOT: 2.2 - Nonflammable Gases Cryogen, Other Health Hazard, Irritant	**4 Carbon Dioxide, Liquid** CAS No 124-38-9 Map: C Grid: F	**Pounds** State Liquid Type Pure	**8000** Storage Container Aboveground Tank, Tank Inside Building Days on Site: 365	**8000**	6500 Pressue Ambient Temperature < Ambient	Waste Code	- Pressure Release - Acute Health - Physical Gas Under Pressure - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified				
	42 Nalco 7330 - Microbiocide for Closed Cooling CAS No 26172-55-4 Map: H Grid: E3	**Gallons** State Liquid Type Mixture	**50** Storage Container Carboy, Other Days on Site: 365	**5**	25 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	5-Chloro-2-methyl-4-isothiazolin-3-one Magnesium Nitrate 2-Methyl-4-isothiazolin-3-one	5 % 5 % 1 %		26172-55-4 10377-60-3 2682-20-4
DOT: 9 - Misc. Hazardous Materials Irritant, Other Health Hazard, Sensitizer, Water Reactive, Class 1	**43 Sodium Metabisulfite 30% Solution** CAS No 7681-57-4 Map: V Grid: E4	**Gallons** State Liquid Type Mixture	**75** Storage Container Tank Inside Building, Bag Days on Site: 365	**75**	50 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation	Sodium Metabisulfite Sodium Sulfite	30 % 1 %		7681-57-4 7757-83-7

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Irritant	**44 Ryd Lyme, Rid-Lime, Scale Remover** CAS No 7647-21-0 Map: F Grid: E3	**Gallons** State Liquid Type Mixture	**165** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	165 Pressue Ambient Temperature Ambient	Waste Code	- Reactive - Acute Health - Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Hydrochloric Acid	10 %		7647-21-0
DOT: 9 - Misc. Hazardous Materials Other Health Hazard, Carcinogen	**45 Asbestos Debris** CAS No 12001-29-5 Map: V Grid: D4	**Pounds** State Solid Type Waste	**10000** Storage Container Steel Drum, Other Days on Site: 365	**10000**	Pressue Ambient Temperature Ambient	20000 Waste Code 151	- Acute Health - Chronic health - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	Asbestos, White	100 %		12001-29-5
	46 Cooling Tower Sludge CAS No Map: II / I Grid: F1 / C1	**Cu. Feet** State Solid Type Mixture	**500000** Storage Container Other Days on Site: 365	**48000**	150 Pressue Ambient Temperature Ambient	50000 Waste Code 491		chromium arsenic			

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	47 Treated Wood Waste CAS No Map: II Grid: F1	**Pounds** State: Solid Type: Pure	**15000** Storage Container: Other Days on Site: 365	**15000**	Pressue: Ambient Temperature: Ambient	60000 Waste Code: 352	- Fire - Acute Health - Chronic health - Health Carcinogenicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	Pressure Treated Wood			
	48 Boiler Debris, Duct Sweep CAS No 68131-74-8 Map: V Grid: E4	**Pounds** State: Solid Type: Waste	**6400** Storage Container: Steel Drum Days on Site: 180	**800**	18 Pressue: Ambient Temperature: Ambient	6400 Waste Code: 181	- Health Carcinogenicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	chromium			
	49 Grease, Fuel Oil, Tar CAS No 8002-29-7	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum	**55**	Pressue: Ambient Temperature: Ambient	55 Waste Code: 213	- Fire - Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Aspiration Hazard - Health Hazard Not Otherwise Classified	Grease, Fuel Oil, Tar	100 %		8002-29-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**5 Diesel Fuel No. 2** CAS No 68476-34-6 Map: F / III Grid: E2 / H2	**Gallons** State Liquid Type Pure	**720** Storage Container Aboveground Tank, Steel Drum, Can, Carboy Days on Site: 365	**500**	603 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Acute Health - Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				
	50 Mercury Debris CAS No 7439-97-6 Map: A Grid: F2	**Pounds** State Liquid Type Waste	**50** Storage Container Plastic/Non-metalic Drum, Bag, Plastic Bottle or Jug Days on Site: 365	**50**	Pressue Ambient Temperature Ambient	50 Waste Code 181	- Acute Health - Chronic health - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Mercury			7439-97-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION** Chemical Location CERS ID **10038976**

Facility Name **ETIWANDA GENERATING STATION** Facility ID **FA0002943**

8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	51 Mercury CAS No 7439-97-6	**Pounds** State Liquid Type Waste	**10** Storage Container Plastic/Non-metalic Drum, Bag, Plastic Bottle or Jug Days on Site: 365	**10**	Pressue Ambient Temperature Ambient	10 Waste Code 141	- Acute Health - Chronic health - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Mercury	100 %		7439-97-6
	52 Oily Debris CAS No 70514-12-4 Map: H / A Grid: E3 / F2	**Pounds** State Solid Type Mixture	**8000** Storage Container Steel Drum Days on Site: 365	**450**	Pressue Ambient Temperature Ambient	30000 Waste Code 223	- Acute Health - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity	Used Oil	15 %		70514-12-4

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Quantities Largest Cont.	Quantities Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	53 Oil Water Separator Sludge CAS No 70514-12-4 Map: G / VIII Grid: G / H5	**Gallons** State Liquid Type Mixture	**5000** Storage Container Aboveground Tank, Steel Drum Days on Site: 365	**3000**	Pressue Ambient Temperature Ambient	7500 Waste Code 491	- Acute Health - Chronic health - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity	Lubricating oils, used			70514-12-4
	54 Used Oil w/Solvent CAS No 70514-12-4	**Gallons** State Liquid Type Mixture	**55** Storage Container Steel Drum	**55**	Pressue Ambient Temperature Ambient	55 Waste Code 741	- Fire - Chronic health - Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Aspiration Hazard	Used Oil			70514-12-4

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION** Chemical Location CERS ID **10038976**

Facility Name **ETIWANDA GENERATING STATION** Facility ID **FA0002943**

8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
	55 Paint Chips and Debris (contains lead) CAS No	**Pounds** State: Solid Type: Waste	**600** Storage Container: Steel Drum, Plastic/Non-metalic Drum, Other Days on Site: 365	**300**	Pressue: Ambient Temperature: Ambient	3000 Waste Code: 352	- Acute Health - Chronic health - Health Acute Toxicity - Health Reproductive Toxicity - Health Specific Target Organ Toxicity	Paint Chips with Lead		
	56 Paint Solids / Sludge CAS No	**Pounds** State: Solid Type: Waste	**55** Storage Container: Steel Drum, Plastic/Non-metalic Drum, Other	**55**	Pressue: Ambient Temperature: Ambient	55 Waste Code: 461	- Acute Health - Chronic health - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Paint Solids Sludge	75 % 25 %	
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**57 Mineral Oil (containing >2 ppm to 50 ppm PCBs)** CAS No 8012-95-1	**Gallons** State: Liquid Type: Waste	**1500** Storage Container: Steel Drum, Plastic/Non-metalic Drum, Glass Bottle or Jug, Plastic Bottle or Jug, Other	**285**	Pressue: Ambient Temperature: Ambient	5000 Waste Code: 261	- Acute Health - Chronic health - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Mineral Oil Polychlorinated Biphenyls	99 % 1 %	8012-95-1 1336-36-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**58 Mineral Oil (containing >50 ppm to 4,999 ppm PCBs)** CAS No 8012-95-1	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum, Tote Bin, Tank Wagon	**55**	Pressue: Ambient Temperature: Ambient	55 Waste Code: 261	- Acute Health - Chronic health - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Mineral Oil PCB	99 % 1 %	8012-95-1 1336-36-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
	59 Universal Waste (Batteries, Light Tubes, Electronics) CAS No Map: H / A / II Grid: E3 / F2 / F2	**Cu. Feet** State: Solid Type: Waste	**108** Storage Container: Steel Drum, Plastic/Non-metalic Drum, Fiber Drum, Box Days on Site: 365	**27**	Pressue: Ambient Temperature: Ambient	270 Waste Code	- Acute Health - Chronic health - Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard			
Toxic, Irritant	**6 Crystal Simple Green Industrial Cleaner and Degreaser** CAS No 111-76-2 Map: H Grid: E3	**Gallons** State: Liquid Type: Mixture	**440** Storage Container: Plastic/Non-metalic Drum, Plastic Bottle or Jug Days on Site: 365	**55**	220 Pressue: Ambient Temperature: Ambient	Waste Code		2-butoxy Ethanol Water	6 % 94 %	111-76-2 7732-18-5
	60 Spent Sandblast Grit containing Lead CAS No Map: II Grid: F2	**Gallons** State: Solid Type: Waste	**55** Storage Container: Steel Drum, Tote Bin Days on Site: 180	**55**	Pressue: Ambient Temperature: Ambient	55 Waste Code	- Chronic health - Health Acute Toxicity - Health Reproductive Toxicity - Health Specific Target Organ Toxicity	Lead	1 %	7439-92-1

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	61 Used Lube Oil, Used Oil CAS No 70514-12-4 Map: II / H / A Grid: F2 / E3 / F2	**Gallons** State Liquid Type Waste	**4000** Storage Container Aboveground Tank, Steel Drum, Tank Wagon Days on Site: 365	**2000**	Pressue Ambient Temperature Ambient	6000 Waste Code 223	- Acute Health - Chronic health - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity	Lubricating oils, used	100 %		70514-12-4
	62 Nalco 2837 Molybdate Corrosion Inhibitor CAS No 7631-95-0 Map: G / H Grid: G / E3	**Gallons** State Liquid Type Mixture	**50** Storage Container Plastic/Non-metalic Drum, Carboy Days on Site: 365	**5**	5 Pressue Ambient Temperature Ambient	0 Waste Code	- Acute Health - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sodium Molybdate Sodium Metaborate Sodium hydroxide	30 % 5 % 1 %		7631-95-0 7775-19-1 1310-73-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B, Other Health Hazard, Irritant	**7 Gasoline** CAS No 8006-61-9 Map: VIII Grid: I5	**Gallons** State Liquid Type Pure	**300** Storage Container Aboveground Tank, Can Days on Site: 365	**250**	150 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Acute Health - Chronic health - Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity				
DOT: 2.2 - Nonflammable Gases	**8 Helium** CAS No 7440-59-7 Map: II Grid: F2	**Cu. Feet** State Gas Type Pure	**3000** Storage Container Cylinder Days on Site: 365	**336**	2000 Pressue Ambient Temperature Ambient	Waste Code	- Pressure Release - Physical Gas Under Pressure - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ETIWANDA GENERATING STATION**
Facility Name **ETIWANDA GENERATING STATION**
8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739

Chemical Location
Cooling Tower

CERS ID **10038976**
Facility ID **FA0002943**
Status **Submitted** on 2/20/2018 1:14 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	37 NALCO 3D TRASAR 3DT195	**Gallons**	**2400**	**1200**	1800						
	CAS No	State: Liquid	Storage Container: Aboveground Tank		Pressue: Ambient	Waste Code					
		Type: Mixture			Temperature: Ambient						
	40 NALCO 3D TRASAR 3DT156 SCALE INHIBITOR	**Gallons**	**675**	**400**	350						
	CAS No	State: Liquid	Storage Container: Tote Bin		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

13021.2
ETIWANDA AVE 8998



CH2MHILL

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SOUTHERN CALIFORNIA
EDISON®
An *EDISON INTERNATIONAL®* Company

August 19, 2002

Mr. Kevin Walton
Rancho Cucamonga Fire Department
P.O. Box 807
Rancho Cucamonga, CA 91729

SUBJECT: INFORMATION REGARDING TANK DECOMMISSIONING
EPTC – ETIWANDA TANK FARM
SOUTHERN CALIFORNIA EDISON COMPANY

Dear Mr. Walton:

As discussed, Southern California Edison Company (SCE) demolished and removed four oil storage tanks and associated equipment, located at 8996 Etiwanda Avenue (EPTC – Etiwanda Tank Farm) in 2001. The site was graded and restored to a uniform grade. The Santa Ana Regional Water Quality Control Board was the lead agency that provided oversight with the soil sampling and stormwater activities.

Per your request, enclosed are the documentation and correspondence related to the decommissioning of these facilities.

- Attachment #1 is SCE's correspondence with the Santa Ana Regional Board including the final verification report regarding the soil investigations.
- Attachment #2 is the correspondence from the Regional Board concluding that no further action is necessary related to this project.
- Attachment #3 is the correspondence from the Regional Board acknowledging the termination of coverage under the general NPDES permit to discharge stormwater associated with construction activity.

In addition, when SCE entered into a contract with the environmental services/demolition contractor, Sevenson Inc., SCE specified that they would be responsible for the final disposition of the tank and piping materials, either reusing or recycling the materials. I do not have the information regarding how Sevenson Inc. handled the materials, but can research it further if you need this information.

Please contact me at (626) 302-8863 if you have any additional questions or requests.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
PROJECT MANAGER

Enclosures

P.O. Box 800
2131 Walnut Grove Ave.
Rosemead, CA 91770

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Attachment #1

March 20, 2001

Mr. Edward Kashak
Engineering Geologist
Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3339

SUBJECT: FINAL REPORT ON VERIFICATION TESTING
ETIWANDA TANK FARM
SOUTHERN CALIFORNIA EDISON COMPANY

Dear Mr. Kashak:

On March 6, 2000, Southern California Edison Company (SCE) submitted a Sampling & Analysis Plan and Project Overview for the tank decommissioning project located at SCE's Etiwanda Fuel Oil Facility (8998 Etiwanda Avenue, Rancho Cucamonga). As part of that project, SCE sought Regional Board approval for the workplan outlining the investigation and excavation of soils beneath the four aboveground tanks scheduled to be removed. On April 17, 2000, the Santa Ana Regional Board approved the workplan.

The four tanks have now been demolished and removed from the facility. Contaminated soils have been removed and verification sampling has been conducted to confirm that the remaining soils met the prescribed Regional Board guidance, that the total petroleum hydrocarbon levels were less than 100 ppm. This final report summarizes all the activities related to the remediation work including a table of the results from the sampling, the laboratory analytical results and the Certificate of Recycling. You have previously received the raw analytical data as the verification sampling was being conducted and this report now tabulates and summarizes all of the information.

This report is being submitted in order to obtain closure for the site from the Santa Ana Regional Water Quality Control Board. If you have any questions regarding our activities, please contact me at (626) 302-2153.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
ENVIRONMENTAL SPECIALIST

Enclosure

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

bcc: J. Peterson
Z. Ahmad
M. Kromelow
G. Hawkins

FINAL REMEDIATION REPORT
STATION FUEL OIL FACILITIES
ETIWANDA TANK FARM DECOMISSIONING

By

ENGINEERING & TECHNICAL SERVICES
SOUTHERN CALIFORNIA EDISON COMPANY
SAN DIMAS, CALIFORNIA

MARCH 2001

1.0 INTRODUCTION

This Southern California Edison (SCE) Final Remediation Report (FRR) documents the confirmation soil sampling activities that were conducted as part of the demolition of station fuel oil facilities adjacent to the Etiwanda Generating Station formerly owned by SCE.

The scope of the confirmation soil sampling activities included:

- collection and analysis of samples of soil materials beneath the footprint of each tank following demolition and removal of the tank;
- collection and analysis of samples of soil materials within the basin that appeared to have concentrations of petroleum products higher than approved limits;
- removing and recycling all soil materials identified by laboratory analysis to have higher than approved limits;
- verification sampling of areas where soil materials were removed to insure compliance with approved levels of cleanup at the site.

All sampling and remediation was conducted under the direction of an Edison Environmental Representative, and, in accordance with Santa Ana Regional Water Quality Control Board (RWQCB)-approved methods and with the Sampling and Analysis Plan and Quality Assurance Project Plan (SAP/QAPP) prepared by SCE. On April 17, 2000, the Santa Ana RWQCB approved SCE's SAP. Environmental inspection began on about May 9, 2000 and extended until September 21, 2000. Periodically, representatives of the Santa Ana Regional Board were on-site to view the sampling and demolition activities.

All sampling was limited to soil. Groundwater was not encountered during the demolition of the fuel oil tanks.

2.0 PROJECT DESCRIPTION

The project, located at 8996 Etiwanda Avenue, Etiwanda, California 91739, included the demolition and removal of four Oil Storage Tanks – West Center, East Center, South East and South West, associated fuel oil pipelines, and about 1800 feet of Waste Water line. The site was regraded and restored to a uniforml grade. During the demolition, soil samples were collected and analyzed as part of the verification process to insure that all petroleum-contaminated soil was removed.

Approximately 2518.38 tons of petroleum-impacted soil were removed from the site and shipped to the Glen Helen Recycling Facility, Devore, California. The attached certificate (Appendix 3) confirms the volume of material shipped and recycled.

3.0 RELATED SITE REPORTS

The areas associated with the proposed remediation were described in detail in the following reports. These reports provided the basis for the scope of site remediation. Copies of these reports have already been made available to the various agencies; however, additional copies will be provided upon request.

- Report of Baseline Tank Study, South East, South West, and Distillate Above Ground Oil Storage Tanks, dated August 31, 1995
- Report of Baseline Environmental Study, West Center and East Center Tanks, dated December 29, 1997;
- Report of Addendum No. 1, Baseline Environmental Study, Southeast, Southwest and Distillate Tanks, dated November 10, 1997;
- Report of Addendum No. 2, Site Remediation and Verification Sampling Results, Southwest, Distillate, and East-Center Tanks, dated June 10, 1998;
- Phase I Environmental Site Assessment Report by ARCADIS Geraghty & Miller, dated March 19, 1999;
- Phase II Environmental Site Assessment Report by Geraghty & Miller, dated June 6, 1997;
- Phase I Environmental Site Assessment Report for EPTC-Etiwanda by ARCADIS Geraghty & Miller, dated March 2000.
- Sampling and Analysis Plan and Quality Assurance Project Plan (SAP/QAPP), Etiwanda Fuel Oil Facilities, by Southern California Edison Company, dated May 2000.

4.0 PROJECT REMEDIATION

4.1 Tank Area Remediation

Each tank was demolished and the bottom plates removed which, then, exposed the earth materials beneath the tank. The materials exposed included crushed gravel ranging in size from 3/8" to ¾" in diameter. Much of the upper 6" to 12" of material had a surface coating which appeared as a black staining, but, with no petroleum odor. Samples of the material were collected and sent to the approved laboratory for testing. The results indicated that the aggregate contained petroleum hydrocarbon at less than 60 ppm. On this basis, the materials were approved and were utilized in the fill and as road base within the project.

When all the aggregate was removed from area beneath the tank, verification sampling was performed on the exposed soil. Samples varied in number from 5 to 8 per tank site, and varied in depth from a few inches to up to one foot deep. All samples collected in the soil were below the Soil Screen Levels discussed in the SAP/QAPP, Section 3.7. Table 1 is a summary of all samples taken at the site.

4.2 Containment Basin Area Remediation

South West Tank Basin

There were two areas within the basins which required additional soil remediation. Both areas were within the South West Tank basin. The southwest corner of the South West Tank basin had about 6 to 8 inches of petroleum-contaminated soil which extended for about a fifty-foot radius. The material was removed to about 8 inches deep and the area tested for verification. The test, SW17B, indicated NON-DETECT (ND).

The second area, at the northwest portion of the South West Tank, required additional remediation. At this location, the contractor had cut a large access doorway into the side of the tank. The purpose for the door was to clean out residual fuel oil from inside the tank. In order to clean out the tank, the contractor constructed a 10-foot deep hole outside the doorway and partially buried a Baker Tank. After the fuel oil tank was cleaned out, and the Baker Tank removed, the hole was sampled to verify that no fuel oil was accidently spilled into the soil. However, after the verification testing was completed, the contractor inadvertantly spilled a small quantity of fuel oil into the open excavation before it could be refilled. As a consequence, the contractor had to clean out the newly contaminated soil, and the hole retested. The retests, SW2-10 and SW2-10A, taken in the same location and approximate depths as SW18B and SW19B, were ND and the hole was backfilled.

4.3 Fuel Oil and Waste Water Pipelines

4.3.1 Fuel Oil Pipelines

Four additional areas inside the basins were remediated: Each area was associated with a fuel oil pipeline penetration through the berms. These included: The northeast corner of the West Center tank, the northwest corner of the East Center tank, the northeast corners of the South West Tank basin, and the northwest and southwest corners of the South East Tank basin. In each corner, fuel oil leaked from the pipeline as it was being demolished. Once the pipeline was removed, the contractor (under the supervision of the Edison Environmental Representative [EER]) excavated the contaminated material until clean material was reached. Then verification sampling was performed within the clean material. The tests included: WC22, 23-12, 24-9; EC22-9, 23-8; SW 17, 18; and, SE 24 and 25. These tests were all ND. In cases where the depth of removal exceeded two feet, the sample is identified as to the depth of the sampling. For example, Sample No. WC23-12 was taken at the West Center Tank location number 23 at a depth of about 12 feet below the reference grade. In each case, any petroleum odor or staining was 'chased' both vertically and laterally and removed from the project site until the soil appeared to be clean. At that point, verification sampling was performed.

4.3.2 Waste Water Line

About 1800 linear feet of 8" diameter polyethylene waste water line extended around the southern and western portion of the project site. This pipe line was removed and the trench tested in accordance with the SAP/QAPP. Ten samples, WW1 through WW10 were collected at intervals from less than 100 feet apart to about 400 feet apart. The results were all ND. The trench was backfilled at the conclusion of the testing.

5.0 ANALYTICAL TEST RESULTS

The analytical laboratory testing results are summarized in Appendix 1, Table 1 and are attached in Appendix 2, Attachment III. All sampling was performed in accordance with the SAP/QAPP, Sections 3.0 and 4.0. Appendix 3 contains the Certificate of Recycling

6.0 CONCLUSIONS

All soil sampling analytical results were compared to screening criteria developed by the Santa Ana RWQCB for TPH-diesel of 100 mg/kg. Any materials found to exceed this criteria were removed from the project site and sent to an approved recycling facility.

Verification soil sampling and testing was conducted beneath the tanks, within the tank basins, at the pipeline penetration sites for each tank and at any location where there was a potential for fuel oil materials. Based on the analytical laboratory testing and on field inspections, all petroleum-contaminated soils and materials were removed from the project site.

It should be noted that all information contained in this report is based on laboratory testing results performed on samples obtained during the demolition and on site observations and inspections as indicated. No other representations, either expressed or implied, is included in the report.

Respectfully submitted,

Zaid Ahmad, P.E.
Lead Engineer
Civil/Structural/Geotechnical Group
Engineering & Technical Services
Southern California Edison

H. Gene Hawkins
Consulting Engineering Geologist,
CEG #952

APPENDIX 1

TABLE 1 - SUMMARY OF FIELD TESTS AND LABORATORY RESULTS

TABLE 1 – Summary of Field Tests and Laboratory Results

Sample Number	Date	Location	Test Type	Results, ppm	Notes
WC17	05/26/2000	West Center Tank	8015M/DHS	ND	
WC18	05/26/2000	West Center Tank	8015M/DHS	ND	
WC19	05/26/2000	West Center Tank	8015M/DHS	ND	
WC20	05/26/2000	West Center Tank	8015M/DHS	ND	
WC21	05/26/2000	West Center Tank	8015M/DHS	ND	
WC22	06/12/2000	WC Pipeline Penetration	8015M/DHS	4080	
WC23-12	07/05/2000	WC Pipeline Penetration	8015M/DHS	ND	Retest of WC22
WC24-9	07/05/2000	WC Pipeline Penetration	8015M/DHS	ND	Retest of WC 22
EC17	06/12/2000	East Center Tank	8015M/DHS	ND	
EC18	06/12/2000	East Center Tank	8015M/DHS	ND	
EC19	06/12/2000	East Center Tank	8015M/DHS	ND	
EC20	06/12/2000	East Center Tank	8015M/DHS	ND	
EC21	06/12/2000	East Center Tank	8015M/DHS	ND	
EC22-9	07/05/2000	EC Pipeline Penetration	8015M/DHS	61	Value below Screening Levels
EC23-8	07/05/2000	EC Pipeline Penetration	8015M/DHS	ND	
SE16	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE17	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE18	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE19	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE20	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE21	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE22	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE23	08/01/2000	South East Tank	8015M/DHS; TPH/Gasoline	ND	
SE24	08/01/2000	SE Pipeline Penetration	8015M/DHS; TPH/Gasoline	ND	
SE25	08/01/2000	SE Pipeline Penetration	8015M/DHS; TPH/Gasoline	ND	

TABLE 1 – Summary of Field Tests and Laboratory Results (cont'd)

Sample Number	Date	Location	Test Type	Results, ppm	Notes
SW17	07/14/2000	SW Pipeline Penetration	8015M/DHS; TPH/Gasoline	188	
SW17B	08/01/2000	SW Tank Basin	8015M/DHS	ND	
SW18	08/01/2000	SW Pipeline Penetration	8015M/DHS; TPH/Gasoline	ND	Retest of SW17
SW18B	07/14/2000	SW Baker Tank Hole	8015M/DHS	ND	
SW19	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW19B	07/14/2000	SW Baker Tank Hole	8015M/DHS	ND	
SW2-10	07/19/00	SW Baker Tank Hole	8015M/DHS	ND	Retest of Baker Tank Hole
SW2-10A	07/19/00	SW Baker Tank Hole	8015M/DHS	ND	Retest of Baker Tank Hole
SW20	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW21	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW22	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW23	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW24	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW25	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
SW26	09/20/2000	South West Tank	8015M/DHS; TPH/Gasoline	ND	
WW1	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW2	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW3	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW4	08/15/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW5	08/22/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW6	08/23/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW7	08/24/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW8	08/25/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW9	08/26/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	
WW10	08/27/2000	Waste Water Line	8015M/DHS; TPH/Gasoline	ND	

APPENDIX 2

SUBSURFACE SOIL INVESTIGATION REPORT
ETIWANDA TANK FARM DECOMISSIONING PROJECT

by

LEYMASTER ENVIRONMENTAL CONSULTING, LLC

OCTOBER 10, 2000

Leymaster Environmental Consulting, LLC

5500 E. Atherton St.
Suite 227 A
Long Beach, CA 90815

Office: (562) 799-9866
Fax: (562) 799-1963
LeymasterEC@cs.com

October 10, 2000

Mr. Gene Hawkins
855 West 10th Street
Claremont, CA 91711

Re: Subsurface Soil Investigation Report
Southern California Edison
Etiwanda Tank Farm Decommissioning Project
8996 Etiwanda Avenue
Etiwanda, California 91739

Dear Mr. Hawkins:

Please find enclosed the results of the subsurface soil investigation for the above-referenced site. No further investigation is required based on the scope of work and the final analytical results.

If you should have any questions, please feel free to give me a call.

Sincerely,

Mark Leymaster

Mark Leymaster, REA II

Attachment

CC: John B. DiMeceli

2/2/01

SUBSURFACE SOIL INVESTIGATION REPORT
Southern California Edison
Etiwanda Tank Farm Decommissioning Project
8996 Etiwanda Avenue
Etiwanda, California 91739

INTRODUCTION

Southern California Edison contracted with Sevenson Environmental Services, Incorporated (Sevenson) to remove four above ground fuel oil storage tanks from the Etiwanda generating station facility located at 8996 Etiwanda Avenue, Etiwanda, California (See Attachment I - Vicinity Map). Targhee, Incorporated and Leymaster Environmental Consulting, LLC provided verification soil sampling to Sevenson as outlined in the Sampling and Analysis Plan and Quality Assurance Project Plan (SAP/QAPP). Eight soil sampling events occurred at the facility between the dates of May 26, 2000 and September 20, 2000.

The purpose of the investigation was to aid in determining if any significant impact to the subsurface had occurred due to the past use of the four fuel oil storage tanks (identified as West Center, East Center, Southwest and Southeast) and a buried waste water pipe that ran along the west and south edge of the tank farm.

SOIL SAMPLING PROCEDURE

Soil samples were retrieved after notification by Sevenson that a tank and the associated flooring material had been removed. The soil sample locations were marked and identified. The sample locations were determined by identifying soil that appeared to contain hydrocarbons by sight or smell, depressed areas, or random spreading of the samples. The soil samples were taken with a shovel after removing the top two to six inches of soil from the surface. The soil was then placed in a laboratory-supplied sterol four-ounce glass jar. A label with the date, time of sampling, sample identification, site location, and analysis required was then placed on the jar. The sample was then placed into a Ziploc baggy inside a cooler with ice to preserve the sample at approximately four degrees Celsius.

The shovel was washed in a solution of non-phosphate detergent, rinsed in clean water in a second bucket and finally rinsed in a third bucket with clean water. This three-stage process was performed to ensure that no contamination was introduced into the sample from the shovel.

The sample was entered onto a Chain-of-Custody document and delivered on the same day of sampling to American Scientific Laboratories, Incorporated, a state-certified laboratory for analysis. Each time responsibility for custody of the sample changed, the receiving and relinquishing custodians signed the record and denoted the date and time. All signatures related to sample custody were made in ink. One or more signatures were entered to identify the person or persons who were collecting the samples. Each time the custody of a sample or group of samples was transferred, a signature, date, and time was required to document the transfer. The laboratory signed for the receipt of the sample, kept a copy, and returned the original form to Leymaster Environmental Consulting, LLC.

The sample locations were then surveyed after retrieval of the soil samples to assist in relocating if necessary in the future. This was done by either surveying or measuring the locations with a tape measure or Rolatape. All locations were measured with respect to the Metropolitan Water District Benchmark, UF201 dated 1994 (See Attachment II Site Plot Plan). This benchmark is located near the west side of the pumping station that is north of the former tank locations.

The sample identification method used on the previous soil sampling of the four tanks and bermed areas was continued. The west center tank had soil samples WC17 through WC21 taken beneath the tank; the east center tank had soil samples EC17 through EC21 taken beneath the tank; the southwest tank had SW19 through SW26 taken beneath the tank; and the southeast tank had SE16 through SE23 taken beneath the tank. Soil samples WW1 through WW10 were taken beneath the wastewater pipeline.

In addition, soil samples WC22, WC23-12, WC24-9, EC22-9, EC23-8, SW17, SW18, SW17B, SW18B, SW19B, SE24, and SE25 were taken due to suspected contamination discovered during the demolition of the tanks and underground piping.

Soil samples WC22 and WC23-12 were taken at the same location except that WC23-12 was taken after approximately 12 feet of soil were excavated. Similarly, soil samples WC24-9, EC23-8 and EC22-9 were taken after approximately eight to nine feet of soil had been removed from the surface.

All of the samples were analyzed for Total Petroleum Hydrocarbons by EPA Method 8015 modified for Department of Health Services Leaking Underground Fuel Tank methodologies. These

methods break the hydrocarbon chain into three categories: C_4 to C_{12}, C_{13} to C_{22}, and C_{22+}. C_4 to C_{12} is an indication of hydrocarbons in the gasoline range, C_{13} to C_{22} indicates the presence of hydrocarbons in the diesel range, and C_{22+} indicates the heavier hydrocarbons associated with oils.

ANALYTICAL RESULTS

The analytical results (See Attachment III - Analytical Results) were all none detected except for WC22, EC22-9 and SW17B. The detection limits were one part per million (ppm).

The analytical results for soil sample WC22 were none detected except for 4,080 ppm of hydrocarbons in the C_{13} to C_{22} range. The analytical results of a subsequent lower soil sample (WC23-12) taken after excavation of approximately 12 feet of soil were none detected for all hydrocarbon ranges.

The analytical results for soil sample EC22-9 were none detected except for 61 ppm of hydrocarbons in the C_{13} to C_{22} range.

The analytical results for soil sample SW17B were none detected except for 188 ppm of hydrocarbons in the C_{22+} range.

CONCLUSIONS

This investigation was an attempt to determine if any significant environmental impact had occurred to the subsurface due to the past use of the four fuel oil storage tanks (identified as West Center, East Center, Southwest and Southeast) and a buried waste water pipe that ran along the west and south edge of the tank farm.

The sampling locations were selected to give a reasonable assurance that no major contamination has occurred at the subject site in these areas.

The hydrocarbon results were compared to Soil Screening Levels published by the Los Angeles Region of the California Regional Water Quality Control Board in their May 1996 Interim Site Assessment & Cleanup Guidebook (Los Angeles RWQCB 1996). Although these levels have not been promulgated, and would not necessarily apply to this site if they were, because it is not in the Los Angeles Region of the CRWQCB, they have been used for this

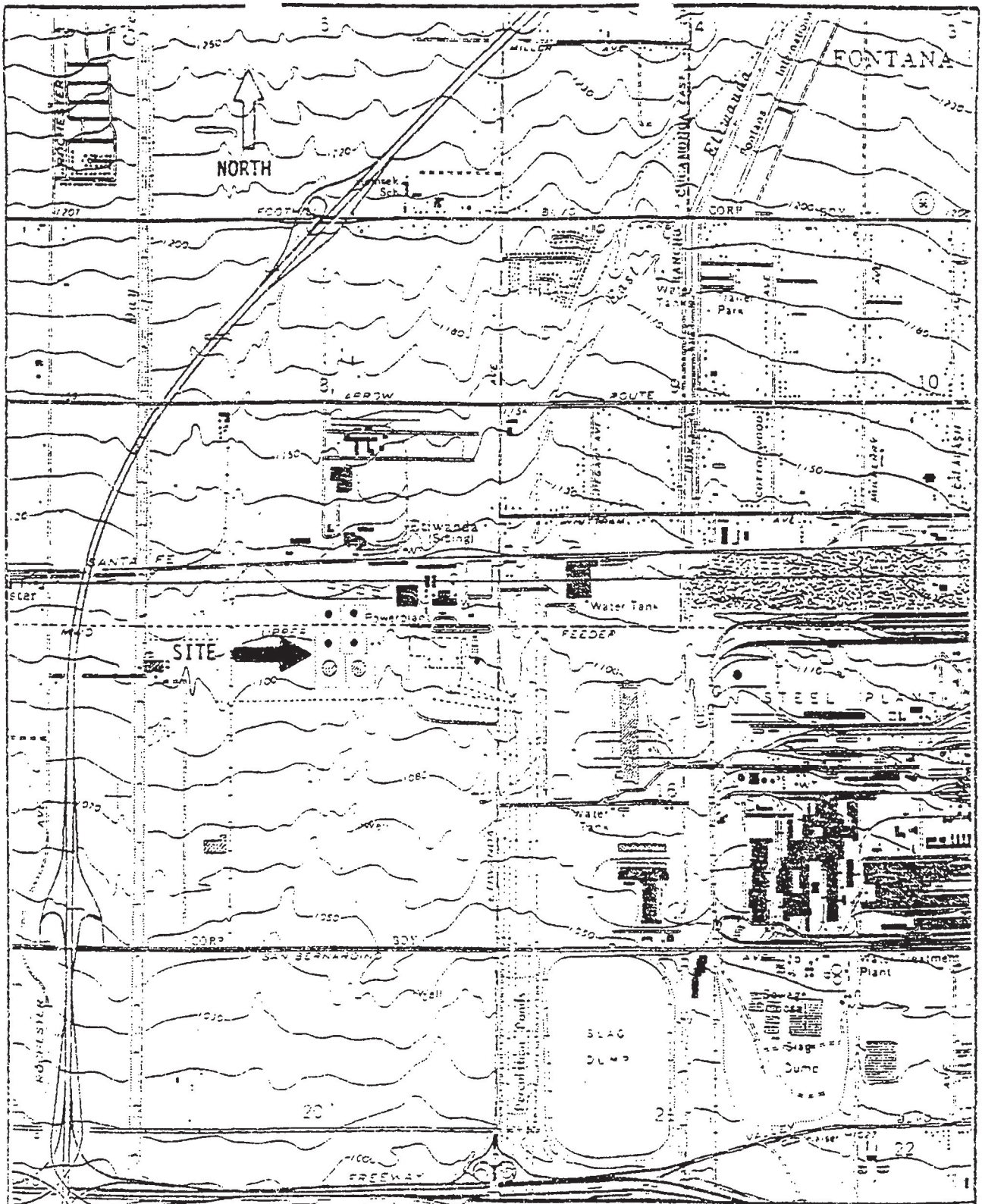
evaluation because they provide conservative screening criteria for evaluation of total petroleum hydrocarbons results.

The Los Angeles Regional Water Quality Control Board's May 1996 Guidebook indicates that the most stringent screening concentration for hydrocarbons with gravel lithology and with groundwater less than 20 feet below the surface is 100 ppm for hydrocarbons in the C_{13} to C_{22} range and 1,000 ppm for hydrocarbons in the C_{22+} range.

These guideline concentrations are higher than the analytical result for soil sample EC22-9 of 61 ppm of hydrocarbons in the C_{13} to C_{22} range and the analytical result of 188 ppm for soil sample SW17B in the C_{22+} range.

The excavation of approximately 12 feet of soil beneath soil sample WC22 had obviously removed the hydrocarbons as evidenced by the analytical results of none detected for soil sample WC23-12.

The analytical results of the samples from this investigation do not indicate any significant environmental impact. No further investigation is recommended for these areas.



Location: ETIWANDA GENERATING STATION

VICINITY MAP

Base: USGS Topo Sheet, 7.5 Minute Series, Gausti Quad, Revised 1981

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Scale: 1" = 2000'

FIGURE 1

ATTACHMENT III

ANALYTICAL RESULTS

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages 2
Date Received 05/26/2000
Date Reported 06/05/2000

Job Number	Ordered	Client
8150	05/26/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga

Enclosed are the results of analyses on 5 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB# 8150

Company: TARGHEE, INC

Address: 110 PINE AVE #

LONG BEACH, CA 90802

Telephone Fax (562) 435-8080

Special Instruction:

Project Name: SCE-ETIWANDA

Site Address: 8996 ETIWANDA AVE

RANCHO CUCAMONGA

Project ID: SCE-ETIWANDA

Project Manager: M. LEYMASTER

Report To: M. LEYMASTER

Address:

Invoice To:

Address:

P.O.#:

ANALYSIS REQUESTED

8015-M diesel + gasoline C4-C35 w/ TPH ID

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8015-M diesel + gasoline C4-C35 w/ TPH ID	Remarks
1	51968	WC17	5/26/00	11:26	1	4oz glass w/Teflon	Soil	4°C	✓	
2	51969	WC18	5/26/00	11:41	1	"	Soil	4°C	✓	
3	51970	WC19	5/26/00	11:30	1	"	Soil	4°C	✓	
4	51971	WC20	5/26/00	11:35	1	"	Soil	4°C	✓	
5	51972	WC21	5/26/00	11:20	1	4oz glass w/Teflon	Soil	4°C	✓	

Collected By: Chris Jones Date 5/26/00 Time 12:00

Relinquished By: Date Time

Relinquished By: Chris Jones Date 5/26/00 Time

Received For Laboratory: Date 5/26/00 Time 3:30 PM

TAT: [X] Normal [ ] Rush

Condition of Sample:

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8150	05/26/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 060200-1

Our Lab I.D.		51968	51969	51970	51971	51972
Sample ID		WC17	WC18	WC19	WC20	WC21
Date Sampled		05/26/2000	05/26/2000	05/26/2000	05/26/2000	05/26/2000
Date Extracted		06/02/2000	06/02/2000	06/02/2000	06/02/2000	06/02/2000
Preparation Method						
Date Analyzed		06/02/2000	06/02/2000	06/02/2000	06/02/2000	06/02/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		51968	51969	51970	51971	51972
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	104	120	104	109	105

QUALITY CONTROL REPORT

Batch No: 060200-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	100	97	3.0	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

RECEIVED
JUN 2 6 2000
TARGHEE, INC.

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages 3
Date Received 06/12/2000
Date Reported 06/20/2000

Job Number	Ordered	Client
8273	06/12/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga, CA

Enclosed are the results of analyses on 6 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8273

Company: TARGHEE INC
Address: 110 PINE AVE #925
LONG BEACH, CA 90802
Telephone: (562) 435-8080
Fax:
Special Instruction:

Project Name: SCE ETIWANDA
Site Address: 8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
Project ID: SCE-ETIWANDA
Project Manager: M. LEYMASTER

Report To: M. LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	5015M - diesel	Carbon Chain ID	Remarks
1	52680	WC 22	6/12/00	8:05	1	4oz glass w/Teflon	Soil	4°C	✓		
2	52681	EC 17		8:46	1				✓		
3	52682	EC 18		8:43	1				✓		
4	52683	EC 19		8:40	1				✓		
5	52684	EC 20		8:33	1				✓		
6	52685	EC 21	6/12/00	8:25	1	4oz glass w/Teflon	Soil	4°C	✓		

Collected By: [signature] Date 6/12/00 Time
Relinquished By: Date Time
Relinquished By: [signature] Date 6/12/00 Time
Received For Laboratory: [signature] Date 6/12/00 Time 3:00

TAT
☒ Normal
☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8273	06/12/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 061600-1

Our Lab I.D.		52681	52682	52683	52684	52685
Sample ID		EC17	EC18	EC19	EC20	EC21
Date Sampled		06/12/2000	06/12/2000	06/12/2000	06/12/2000	06/12/2000
Date Extracted		06/16/2000	06/16/2000	06/16/2000	06/16/2000	06/16/2000
Preparation Method						
Date Analyzed		06/16/2000	06/16/2000	06/16/2000	06/16/2000	06/16/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		52681	52682	52683	52684	52685
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	96	97	99	98	98

QUALITY CONTROL REPORT

Batch No: 061600-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	107	105	1.9	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8273	06/12/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 061600-1

Our Lab I.D.		52680				
Sample ID		WC22				
Date Sampled		06/12/2000				
Date Extracted		06/16/2000				
Preparation Method						
Date Analyzed		06/16/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		10				
Analytes	**PQL**	**Results**				
TPH DRO (C13-C22)	100	4080				
TPH ORO (C22+)	500	ND				

Our Lab I.D.		52680				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	97				

QUALITY CONTROL REPORT

Batch No: 061600-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	107	105	1.9	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

RECEIVED
JUL 19 2000
TARGHEE, INC.

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages 3
Date Received 07/05/2000
Date Reported 07/14/2000

Job Number	Ordered	Client
8488	07/05/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga, CA

Enclosed are the results of analyses on 4 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8488

Company: TARGHEE, INC
Address: 110 PINE AVE, SUITE 925
LONG BEACH, CA 90802
Telephone
Fax 562-435-8080
Special Instruction:

Project Name: SCE ETIWANDA
Site Address: 8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
Project ID: SCE-ETIWANDA
Project Manager: MARK LEYMASTER

Report To: M. LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: 8015M-DIESEL; CARBON CHAIN I.D.

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8015M-DIESEL	CARBON CHAIN I.D.	Remarks
1	54011	WC23-12	7-5-00	1:05	1	4-oz GLASS w TEFLON	SOIL	4°C	✓	✓	
2	54012	WC24-9	"	1:07	1	"	"	"	✓	✓	
3	54013	EC22-9	"	1:10	1	"	"	"	✓	✓	
4	54014	EC23-8	"	1:12	1	"	"	"	✓	✓	

Collected By: Mark Leymaster Date 7-5-00 Time 1:12 P.M.
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 7-5-00 Time
Received For Laboratory: ASL Date 7/5/00 Time 3:35

TAT
☑ Normal
☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster
Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8488	07/05/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 071200-1

Our Lab I.D.		54011	54013	54014		
Sample ID		WC23-12	EC22-9	EC23-8		
Date Sampled		07/05/2000	07/05/2000	07/05/2000		
Date Extracted		07/12/2000	07/12/2000	07/12/2000		
Preparation Method						
Date Analyzed		07/12/2000	07/12/2000	07/12/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH DRO (C13-C22)	10	ND	61	ND		
TPH ORO (C22+)	50	ND	ND	ND		

Comment(s):

54013: DRO: HCs mixture resembles fuel oil.

Our Lab I.D.		54011	54013	54014		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Chlorobenzene	70-120	88	88	88		

QUALITY CONTROL REPORT

Batch No: 071200-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	102	107	4.8	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8488	07/05/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 071300-2

Our Lab I.D.		54012				
Sample ID		WC24-9				
Date Sampled		07/05/2000				
Date Extracted		07/14/2000				
Preparation Method						
Date Analyzed		07/14/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	ND				

Our Lab I.D.		54012				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	99				

QUALITY CONTROL REPORT

Batch No: 071300-2

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	100	100	<1	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Telephone (562) 435-8080
Attn Mark Leymaster

Number of Pages 3
Date Received 07/14/2000
Date Reported 08/02/2000

Job Number	Ordered	Client
8573	07/14/2000	TARGHE

Project ID: SCE-ETIWANDA
Project Name:
Site: 8996 Etiwanda Ave.
Rancho Cucamonga, CA

Enclosed are the results of analyses on 3 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8573

Company: TARGHEE INC
Address: 110 PINE AVE #925
LONG BEACH, CA
Telephone:
Fax (562) 435-8080
Special Instruction:
2 samples 24 TAT

Project Name: SCE-ETIWANDA
Site Address: 8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
Project ID: SCE-ETIWANDA
Project Manager: M. LEYMASTER

Report To: M. LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

8015-M diesel
CAM 17 CHAIN ID

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation											Remarks
1	54429	SW17	7/14/00	10:30	1	4oz glass jar	Soil	Ice	✓										NORMAL TAT
2	54430	SW-18-B	7/14/00	10:00	1	"	Soil	Ice	✓									*	24-HR TAT
3	54431	SW-19-B	7/14/00	10:05	1	"	Soil	Ice	✓									*	24HR TAT

Collected By: [signature] Date 7/14/00 Time
Relinquished By: Date Time
Condition of Sample:

Relinquished By: [signature] Date 7/14/00 Time
Received For Laboratory: [signature] Date 7/14/00 Time 4:55

TAT
☐ Normal
☒ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8573	07/14/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Our Lab I.D.		54429				
Sample ID		SW17				
Date Sampled		07/14/2000				
Date Extracted		07/17/2000				
Preparation Method						
Date Analyzed		07/17/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	188				

Our Lab I.D.		54429				
Surrogates	**Con. Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	94				

QUALITY CONTROL REPORT

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	84	82	2.4	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Targhee Inc.
110 Pine Ave. Ste. 925
Long Beach, CA 90802

Site

8996 Etiwanda Ave.
Rancho Cucamonga, CA

Telephone: (562)435-8080
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8573	07/14/2000	TARGHE

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 071600-2

Our Lab I.D.		54430	54431			
Sample ID		SW-18-B	SW-19-B			
Date Sampled		07/14/2000	07/14/2000			
Date Extracted		07/17/2000	07/17/2000			
Preparation Method						
Date Analyzed		07/17/2000	07/17/2000			
Matrix		Soil	Soil			
Units		mg/kg	mg/kg			
Detection Limit Multiplier		1	1			
Analytes	**PQL**	**Results**	**Results**			
TPH DRO (C13-C22)	10	ND	ND			
TPH ORO (C22+)	50	ND	ND			

Our Lab I.D.		54430	54431			
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**			
Surrogate Percent Recovery						
Chlorobenzene	70-120	77	103			

QUALITY CONTROL REPORT

Batch No: 071600-2

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	84	82	2.4	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

Client:	SCE	QC Batch #:	1.008015DS348
Attn:	Zaki Ahmad	Date Sampled:	07/19/00
		Date Received:	07/20/00
		Date Extracted:	07/20/00
		Date Analyzed:	07/20/00
Client's Project:	ETGS Tank Demo	Extraction Method:	3550B
		Extraction Material:	Methylene Chloride
Matrix:	Soil		
Analyst Initials:	AP		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	---	ND	10	1.0
45492-001	SW-2-10	ND	10	1.0
45492-002	SW-2-10A	ND	10	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: M. Hoffman for Date: 07.20.00

Edgar Morrison

Organics Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4010

FOR LABORATORY USE ONLY:

Batch #: _____ P.O. #: _____

Logged By: _____ Date: 7-20 Time: 11:30

Method of Transport: Walk-in ☒ Courier ☐ JPS ☐ FED. EX. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y ☒ N ☐ 4. SEALED Y ☐ N ☒
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SELF MATCH COC Y ☒ N ☐
3. CONTAINER INTACT Y ☒ N ☐ 6. PRESERVED Y ☐ N ☐

Client: SCE
Attn: Earl Ahmed
Address: 300 N. Lone Hill Ave
City: San Dimas State: CA Zip Code: 91773
TEL: (909) 394-8795 FAX: ( )

Project Name: EIGS Toxic Dump Project #:
Sampler: (Printed Name) Gene Hawkins (Signature)

Relinquished by: (Signature and Printed Name) Gene Hawkins Date: 07-20-00 Time: 1100
Received by: (Signature and Printed Name) [illegible] Date: 7-20-00 Time: 1120
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT) _____
TEST _____
ATL # _____
DATE _____
CLIENT ID _____

I hereby authorize ATL to perform the work indicated below
Project Mgr/Submitter: Gene Hawkins Date: 07/20/00
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Please fax results to (909) 394-87__ or call (909) 394-8795 before 7 p.m. Pager 1-888-566-7992

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time
	49462-001	SW 2-10	7/19	
	002	SW 2-10A	7/19	

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

Containers: TAT | # | Type

ITEM	TAT	#	Type	PRESERVATION	REMARKS
	A?	1	G J		
	A?	1	G J		

QA/QC: RTVE ☐ FWQCE ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr 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=HNO3 S=H2SO4 C=4°C Z=Zn(AC)2 O=NaOH T=Na2S2O3

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 8
Date Received 08/01/2000
Date Reported 08/10/2000

Job Number	Ordered	Client
8713	08/01/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 12 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions.

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2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8713

Company: LEYMASTER ENVIRONMENTAL CONSULTING
Address: 1932 BELTON DR.
LONG BEACH, CA 90815
Telephone: 562-799-9866
Fax:
Special Instruction:

Project Name: SCE-ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: 8015(MOD) W/TPH CARBON CHAIN BREAKDOWN

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	Remarks
1	55278	SE16	8-1-00	11:00	1	4 oz. GLASS JAR	SOIL	4°C	
2	55279	SE17			1				
3	55280	SE18			1				
4	55281	SE19			1				
5	55282	SE20			1				
6	55283	SE21			1				
7	55284	SE22			1				
8	55285	SE23			1				
9	55286	SE24			1				
10	55287	SE25			1				

Collected By: Mark Leymaster Date 8-1-00 Time 11:00 AM
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 8-1-00 Time 3:55
Received For Laboratory: Date 8-1-00 Time 3:55

TAT: ☑ Normal ☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8713

Company: LEYMASTER ENVIRONMENTAL CONSULTING
Address:
Telephone: 562-799-9866
Fax:
Special Instruction:

Project Name: SCE-ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8015 (MOD) w/ HYDROCARBON CHAIN BREAK DOWN	Remarks
11	55288	SW17	8-1-00	11:00	1	4 oz GLASS JAR	SOIL	4°C	✓	
12	55289	SW18	8-1-00	11:01	1	" "	" "	" "	✓	

Collected By: Mark Leymaster Date 8-1-00 Time 11:00
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 8-1-00 Time 3:55
Received For Laboratory: Date 8-1-00 Time 3:55

TAT
☑ Normal
☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 080900-1

Our Lab I.D.		55278	55279	55280	55281	
Sample ID		SE16	SE17	SE18	SE19	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	mg/kg
TPH ORO (C22+)	50	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55278	55279	55280	55281	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Chlorobenzene	70-120	120	118	91	84	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit			
Diesel	111	108	2.7	75-120	15			

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 080900-1

Our Lab I.D.		55282	55283	55284	55285	
Sample ID		SE20	SE21	SE22	SE23	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	mg/kg
TPH ORO (C22+)	50	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55282	55283	55284	55285	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Chlorobenzene	70-120	85	79	84	120	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Diesel	111	108	2.7	75-120	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 080900-1

Our Lab I.D.		55286	55287	55288	55289	
Sample ID		SE24	SE25	SW17	SW18	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	Units
TPH DRO (C13-C22)	10	ND	ND	ND	ND	mg/kg
TPH ORO (C22+)	50	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55286	55287	55288	55289	
Surrogate	Con.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Surrogate Percent Recovery						
Chlorobenzene	70-120	79	82	82	82	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit			
Diesel	111	108	2.7	75-120	15			

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 5
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 080900-1

Our Lab I.D.		55278	55280	55281	55282	
Sample ID		SE16	SE18	SE19	SE20	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55278	55280	55281	55282	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	112	114	91	114	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	98	106	7.8	75-125	15				
Toluene (Methyl benzene)	100	110	9.5	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 6
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 080900-1

Our Lab I.D.		55283	55284	55285	55286	
Sample ID		SE21	SE22	SE23	SE24	
Date Sampled		08/01/2000	08/01/2000	08/01/2000	08/01/2000	
Date Extracted		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000	08/09/2000	
Matrix		Soil	Soil	Soil	Soil	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Units**
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	mg/kg

Our Lab I.D.		55283	55284	55285	55286	
Surrogate	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	110	101	104	93	

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	98	106	7.8	75-125	15				
Toluene (Methyl benzene)	100	110	9.5	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 7
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 080900-1

Our Lab I.D.		55287	55288	55289		
Sample ID		SE25	SW17	SW18		
Date Sampled		08/01/2000	08/01/2000	08/01/2000		
Date Extracted		08/09/2000	08/09/2000	08/09/2000		
Preparation Method						
Date Analyzed		08/09/2000	08/09/2000	08/09/2000		
Matrix		Soil	Soil	Soil		
Detection Limit Multiplier		1	1	1		
Analytes	PQL	Results	Results	Results		Units
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND		mg/kg

Our Lab I.D.		55287	55288	55289		
Surrogate	Con.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	120	93	104		

QUALITY CONTROL REPORT

Batch No: 080900-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	98	106	7.8	75-125	15				
Toluene (Methyl benzene)	100	110	9.5	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster
Page 8
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8713	08/01/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 081000-0

Our Lab I.D.		55279				
Sample ID		SE17				
Date Sampled		08/01/2000				
Date Extracted		08/10/2000				
Preparation Method						
Date Analyzed		08/10/2000				
Matrix		Soil				
Detection Limit Multiplier		1				
Analytes	PQL	Results				Units
TPH as Gasoline (C4-C12)	1.0	ND				mg/kg

Our Lab I.D.		55279				
Surrogate	Con.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	113				

QUALITY CONTROL REPORT

Batch No: 081000-0

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	106	100	5.8	75-125	15
Toluene (Methyl benzene)	108	103	4.7	75-125	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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Environmental Testing Services

Ordered By

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1932 Britton Drive
Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 4
Date Received 08/15/2000
Date Reported 08/16/2000

Job Number	Ordered	Client
8819	08/15/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 4 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

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Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 8819

Company: LEYMASTER ENVIRONMENTAL CONSULTING, LLC
Address: 1932 BRITTON DRIVE
LONG BEACH, CA 90815
Telephone: 562-799-9866
Fax:
Special Instruction:

Project Name: SCE-ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To: MARK LEYMASTER
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: 8015 (MOD) W/CARBON CHAIN BREAKDOWN

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	55867	WW1	8-15-00	10:30	1	4-OZ. GLASS	SOIL	4°C	NEXT DAY RESULTS
2	55868	WW2	"	10:40	1	"	"	"	
3	55869	WW3	"	10:45	1	"	"	"	
4	55870	WW4	"	10:55	1	"	"	"	

Collected By: Mark Leymaster Date 8-15-00 Time 10:55
Relinquished By: Date Time
Relinquished By: Mark Leymaster Date 8-15-00 Time 3:05
Received For Laboratory: AM Date 8-15/00 Time 3:05

TAT: ☐ Normal ☑ Rush

Condition of Sample:

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8819	08/15/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 081500-1

Our Lab I.D.		55867	55868	55869	55870	
Sample ID		WW1	WW2	WW3	WW4	
Date Sampled		08/15/2000	08/15/2000	08/15/2000	08/15/2000	
Date Extracted		08/15/2000	08/15/2000	08/15/2000	08/15/2000	
Preparation Method						
Date Analyzed		08/15/2000	08/15/2000	08/15/2000	08/15/2000	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/kg	mg/kg	mg/kg	mg/kg	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH DRO (C13-C22)	10	ND	ND	ND	ND	
TPH ORO (C22+)	50	ND	ND	ND	ND	

Our Lab I.D.		55867	55868	55869	55870	
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Chlorobenzene	70-120	120	77	70	70	

QUALITY CONTROL REPORT

Batch No: 081500-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	110	109	<1	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8819	08/15/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 081500-1

Our Lab I.D.		55867	55868	55869		
Sample ID		WW1	WW2	WW3		
Date Sampled		08/15/2000	08/15/2000	08/15/2000		
Date Extracted		08/15/2000	08/15/2000	08/15/2000		
Preparation Method						
Date Analyzed		08/15/2000	08/15/2000	08/15/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND		

Our Lab I.D.		55867	55868	55869		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	79	70	70		

QUALITY CONTROL REPORT

Batch No: 081500-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	100	102	2.0	75-125	15				
Toluene (Methyl benzene)	104	107	2.8	75-125	15				

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8819	08/15/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 081600-1

Our Lab I.D.		55870				
Sample ID		WW4				
Date Sampled		08/15/2000				
Date Extracted		08/16/2000				
Preparation Method						
Date Analyzed		08/16/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH as Gasoline (C4-C12)	1.0	ND				

Our Lab I.D.		55870				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	99				

QUALITY CONTROL REPORT

Batch No: 081600-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	99	105	5.9	75-125	15					
Toluene (Methyl benzene)	105	110	4.7	75-125	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 5
Date Received 08/22/2000
Date Reported 08/29/2000

Job Number	Ordered	Client
8859	08/22/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 6 soil samples analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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Page ____ Of ____

ASL JOB# 8859

Company: LEYMASTER ENVIRONMENTAL CONSULTING, LLC
Address: 1932 BRITTON DR
LONG BEACH, CA 90815
Telephone: 562 - 799-9866
Fax:
Special Instruction:

Project Name: SCE - ETIWANDA
Site Address:
Project ID:
Project Manager: MARK LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED
8015 (MOD) w/ CARBON CHAIN BREAKDOWN

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation												Remarks
1	56057	WW5	8-22-00	7:20	1	4 oz GLASS	SOIL	4°C	✓											
2	56058	WW6	"	7:30	1	" "	" "	"	✓											
3	56059	WW7	"	7:40	1	" "	" "	"	✓											
4	56060	WW8	"	7:45	1	" "	" "	"	✓											
5	56061	WW9	"	8:00	1	" "	" "	"	✓											
6	56062	WW10	"	8:15	1	" "	" "	"	✓											

Collected By: Mark Leymaster Date 8-22-00 Time 7 A.M.
Relinquished By: Date Time
Condition of Sample:

Relinquished By: Mark Leymaster Date 8-22-00 Time
Received For Laboratory: ASL Date 8-22-00 Time 1:00

TAT
☑ Normal
☐ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 082400-1

Our Lab I.D.		56057	56058	56059	56060	56061
Sample ID		WW5	WW6	WW7	WW8	WW9
Date Sampled		08/22/2000	08/22/2000	08/22/2000	08/22/2000	08/22/2000
Date Extracted		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Preparation Method						
Date Analyzed		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		56057	56058	56059	56060	56061
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	104	96	95	120	76

QUALITY CONTROL REPORT

Batch No: 082400-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	102	6.1	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 082400-1

Our Lab I.D.		56062				
Sample ID		WW10				
Date Sampled		08/22/2000				
Date Extracted		08/24/2000				
Preparation Method						
Date Analyzed		08/24/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	ND				

Our Lab I.D.		56062				
Surrogates	**Con Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	97				

QUALITY CONTROL REPORT

Batch No: 082400-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	102	6.1	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 082400-1

Our Lab I.D.		56058	56059	56060	56061	56062
Sample ID		WW6	WW7	WW8	WW9	WW10
Date Sampled		08/22/2000	08/22/2000	08/22/2000	08/22/2000	08/22/2000
Date Extracted		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Preparation Method						
Date Analyzed		08/24/2000	08/24/2000	08/24/2000	08/24/2000	08/24/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	ND

Our Lab I.D.		56058	56059	56060	56061	56062
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	112	103	108	106	105

QUALITY CONTROL REPORT

Batch No: 082400-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	96	96	<1	75-125	15					
Toluene (Methyl benzene)	100	100	<1	75-125	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

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1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 5
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
8859	08/22/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 082500-1

Our Lab LD.		56057				
Sample ID		WW5				
Date Sampled		08/22/2000				
Date Extracted		08/25/2000				
Preparation Method						
Date Analyzed		08/25/2000				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
TPH as Gasoline (C4-C12)	1.0	ND				

Our Lab I.D.		56057				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	100				

QUALITY CONTROL REPORT

Batch No: 082500-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	94	89	5.5	75-125	15					
Toluene (Methyl benzene)	98	92	6.3	75-125	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone (562)799-9866
Attn Mark Leymaster

Number of Pages 5
Date Received 09/20/2000
Date Reported 09/21/2000

Job Number	Ordered	Client
9067	09/20/2000	LYMSTR

Project ID: SCE-ETIWANDA
Project Name:

Enclosed are the results of analyses on 8 soil samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

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3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 9067

Company: LEYMASTER ENVIRONMENTAL CONSULTING, LLC
Address: 550 E. HOSPITALITY STREET, SUITE 223
LONG BEACH, CA 90815
Telephone 562-799-9866
Fax 562-799-1963
Special Instruction: 24-HR TURN-AROUND

Project Name: SCE-ETIWANDA
Site Address:
Project ID:
Project Manager: LEYMASTER

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: BTEX AND; HYDROCARBON SPECIFICATION

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	57202	SVA-19	9-20-00	10:08	1	4-oz GLASS	SOIL	4°C	
2	57203	SVA-20		10:13	1				
3	57204	SVA-21		10:17	1				
4	57205	SVA-22		10:21	1				
5	57206	SVA-23		10:25	1				
6	57207	SVA 24		10:30	1				
7	57208	SVA-25		10:04	1				
8	57209	SVA-26		10:00	1				

Collected By: [signature] Date 9-20-00 Time 10:30
Relinquished By: [signature] Date Time
Condition of Sample:

Relinquished By: [signature] Date 9-20-00 Time
Received For Laboratory: [signature] ASL Date 9-20-00 Time 2:25

TAT ☐ Normal ☑ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 2
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 092000-1

Our Lab I.D.		57202	57203	57204	57205	57206
Sample ID		SW-19	SW-20	SW-21	SW-22	SW-23
Date Sampled		09/20/2000	09/20/2000	09/20/2000	09/20/2000	09/20/2000
Date Extracted		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		57202	57203	57204	57205	57206
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	120	119	118	120	118

QUALITY CONTROL REPORT

Batch No: 092000-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	104	102	1.9	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

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1932 Britton Drive
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Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 3
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 092000-1

Our Lab I.D.		57207	57208	57209		
Sample ID		SW-24	SW-25	SW-26		
Date Sampled		09/20/2000	09/20/2000	09/20/2000		
Date Extracted		09/21/2000	09/21/2000	09/21/2000		
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH DRO (C13-C22)	10	ND	ND	ND		
TPH ORO (C22+)	50	ND	ND	ND		

Our Lab I.D.		57207	57208	57209		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Chlorobenzene	70-120	119	119	120		

QUALITY CONTROL REPORT

Batch No: 092000-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	104	102	1.9	75-120	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 4
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 092100-0

Our Lab I.D.		57202	57203	57204	57205	57206
Sample ID		SW-19	SW-20	SW-21	SW-22	SW-23
Date Sampled		09/20/2000	09/20/2000	09/20/2000	09/20/2000	09/20/2000
Date Extracted		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000	09/21/2000	09/21/2000
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND	ND	ND

Our Lab I.D.		57202	57203	57204	57205	57206
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	104	104	104	104	93

QUALITY CONTROL REPORT

Batch No: 092100-0

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	92	85	7.9	75-125	15					
Toluene (Methyl benzene)	93	88	5.5	75-125	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Leymaster Environmental Consulting
1932 Britton Drive
Long Beach, CA 90815-

Telephone: (562)799-9866
Attn: Mark Leymaster

Page: 5
Project ID: SCE-ETIWANDA
Project Name:

Job Number	Order Date	Client
9067	09/20/2000	LYMSTR

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 092100-0

Our Lab I.D.		57207	57208	57209		
Sample ID		SW-24	SW-25	SW-26		
Date Sampled		09/20/2000	09/20/2000	09/20/2000		
Date Extracted		09/21/2000	09/21/2000	09/21/2000		
Preparation Method						
Date Analyzed		09/21/2000	09/21/2000	09/21/2000		
Matrix		Soil	Soil	Soil		
Units		mg/kg	mg/kg	mg/kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH as Gasoline (C4-C12)	1.0	ND	ND	ND		

Our Lab I.D.		57207	57208	57209		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	103	98	98		

QUALITY CONTROL REPORT

Batch No: 092100-0

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	92	85	7.9	75-125	15					
Toluene (Methyl benzene)	93	88	5.5	75-125	15					

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

ATTACHMENT II

SITE PLOT PLAN

APPENDIX 3

CERTIFICATE OF RECYCLING

CERTIFICATE OF RECYCLING

Glen Helen Soil Recycling Facility
Devore, California

This is to certify that impacted soil accepted from

Southern California Edison Company

Has been accepted and recycled in accordance with California Regional Water Quality Control Board (Santa Ana Region) Order No. 95-74

Quantity Accepted:	2518.38 Tons
Oversize Material:	41.78 Tons
Soil Recycled:	2476.60 Tons
Receipt Date(s):	5/31, 6/13, 8/7/00
Acceptance No.:	GFJ-01475

CDE Resources, Inc.

Bill Stevenson

Vice President Fixed Facilities
Date: October 30, 2000

10/30/2000 12:34 9094741957 CDE RESOURCES INC PAGE 02

Attachment #2

California Regional Water Quality Control Board
Santa Ana Region

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov/rwqcb8
3737 Main Street, Suite 500,
Riverside, California 92501-3348
Phone (909) 782-4130 - FAX (909) 781-6288

Gray Davis
Governor

May 25, 2001

Ms. Danielle Chupa
Environmental Specialist
Southern California Edison
P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

FINAL REPORT ON VERIFICATION TESTING, ETIWANDA TANK FARM, 8998 ETIWANDA AVENUE, RANCHO CUCAMONGA, SOUTHERN CALIFORNIA EDISON COMPANY

Dear Ms. Chupa:

Regional Board staff has reviewed the Final Report On Verification Testing, dated March 20, 2001, for the above referenced facility. Based on the information contained in this final report, and with the provision that the information previously provided to this agency was accurate and representative of site conditions, no further action related to the decommissioning of the above ground tanks is required.

If you have any questions regarding this matter please call Edward Kashak at (909) 782-3292 or Ann Sturdivant, Chief of our SLIC/DoD/AGT section, at (909) 782-4904.

Sincerely,

GJ Thibeault

Gerard Thibeault
Executive Officer

cc: Gene Hawkins, Geological Consultant, Claremont

EGK:disc/sce/agt/fof/etiw/fal/rpt

Attachment # 3

State Water Resources Control Board

Winston H. Hickox
Secretary for Environmental Protection

Division of Water Quality
1001 I Street, 15th Floor • Sacramento, California 95814 • (916) 341-5537
Mailing Address: P.O. Box 1977 • Sacramento, California • 95812-1977
FAX (916) 341-5543 • Internet Address: http://www.swrcb.ca.gov

Gray Davis
Governor

25-Jul-2001

DANIELLE CHUPA
SOUTHERN CALIFORNIA EDISON
2244 WALNUT GROVE AVE
ROSEMEAD, CA 91770

SUBJECT: TERMINATION OF COVERAGE UNDER THE GENERAL NPDES PERMIT TO DISCHARGE STORM WATER

Per Regional Water Quality Control Board's approval of your Notice of Termination (NOT) on **7/10/01** , the State Water Resources Control Board (State Water Board) has terminated your coverage under the General NPDES Permit to Discharge Storm Water associated with **Construction Activity** associated with the following site:

8998 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
WDID = 8 36S312686

Please be advised that the State Water Board is following your request for termination and is not making a determination of its validity. Owners of sites that are found to be in violation of federal regulations requiring coverage under the General NPDES permit may be subject to substantial penalty.

If you wish to obtain coverage under the General NPDES Permit in the future, you are required to submit a new Notice of Intent, site map, and appropriate fee. If you have any questions regarding this matter or we can be of further assistance, please call (916) 341-5537.

Sincerely,

Storm Water Section
Division of Water Quality

Rancho Cucamonga Fire Protection District

Fire Safety Division

Etiwanda Station Tank Demolition Project

Four Aboveground Storage Tanks

Site Information:	Southern California Edison 8998 Etiwanda Avenue Rancho Cucamonga, CA
Property Owner Information:	Southern California Edison 2244 Walnut Grove Avenue Rosemead, CA 91770
Current Occupant Information:	Southern California Edison 2244 Walnut Grove Avenue Rosemead, CA 91770
Contractor Information:	Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305 Contractors License No: 590741 Class: A HAZ
Consultant Information:	CH2M Hill 3 Hutton Centre Drive, Suite 200 Santa Ana, CA 92707
Degassing Contractor Information:	No degassing required (Product: Fuel Oil)
Hazardous Waste Hauler Info:	Fuel Oil will be removed and cleaned by the facility.
Marine Chemist Information:	Thomas D. Beck & Associates, Inc. d.b.a Harbor Testing Laboratory (562) 492-9646
Scope of Work:	Demolition and removal of (4) - Aboveground Storage Tanks, removal of concrete berms and rough grading.
Removal Method:	The tanks will be emptied and cleaned by the facility prior to demolition activities. The tanks will be verified clean and vapor free by Sevenson, fire department, and the marine chemist prior to demolition activities. The tanks will be cut up systematically by use of hydraulic shears.

Projected Demolition Schedule:	April 28, 2000 to July 28, 2000
Worker Site Respiratory: Protection Action Levels	Covered in HASP (already submitted)
Compliance with fire retardant clothing: requirements for site workers	Covered in HASP
Site Specific Health & Safety Plan:	Already submitted
Detailed and Scaled Site Plan:	Previously submitted by CH2M HILL
Permit Required Confined Space Entry:	May be required. Covered in HASP

Attachments

1. Rancho Cucamonga Fire District AST Removal Permit Application
2. Photo copy of Rancho Cucamonga Business License
3. Photo Copy of Workers Compensation and Liability Insurance Policy
4. Photo Copy of Contractors License with hazardous materials endorsement

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

(X) Other (Specify) DEMOLITION

At: Business Name ETIWANDA STATION TANK DEMOLITION PROJECT

Address 8998 ETIWANDA AVE. RANCHO CUCAMONGA, CA

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

DEMOLITION OF (4) EA. ABOVE GROUND STORAGE TANKS
TANKS HAVE BEEN CLEANED. OF FUEL OIL PRODUCT

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name JOHN B. DIMICELI Phone (562) 424-2671

Applicant's Signature John B Dimicili Date 4/24/2000

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED ( )
DENIED ( )

(Signature) (Date)

(Title)

FIRE AGENCY REPRESENTATIVE

TELEPHONE

Fee Due $_____ Date Paid_____

Rev. 3/92

EXISTING ELECTRICAL POLES

EXISTING WIREMESH FENCE

FORMER STORAGE TANK LOCATIONS

EXISTING TANKS

BENCHMARK UF201

WW1
WW2
WW3
WW4
WW5
WW6
WW7
WW8
WW9
WW10
ELECTRICAL VAULT
SW17B
SW18B
SW19B
SW18
SW17
SW19
SW20
SW21
SW22
SW23
SW24
SW25
SW26
SE16
SE17
SE18
SE19
SE20
SE21
SE22
SE23
SE24
SE25
EC17
EC18
EC19
EC20
EC21
EC22-9
EC23-8
WC17
WC18
WC19
WC20
WC21
WC22
WC23-12
WC24-9

LEGEND

SAMPLE LOCATION

NORTH

1" = 100'

Leymaster Environmental Consulting, LLC

5500 East Atherton Street, Suite 227A
Long Beach, California 90815
(562) 799-9866

Site Plot Plan

SCE Etiwanda
Soil Sampling Locations

Attachment II | **October 8, 2000**

NO: 3418

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — **FIRE SAFETY DIVISION** — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: CH2M Hill DATE: 2/3/00

ADDRESS: 3 Hutton Centre Dr., #200, Santa Ana, CA 92707 PHONE: 714/ 429-2000

TO: (Type of Permitted Use/Activity) Removal of 4 above ground storage tanks and associated piping/fillings.

AT: (Location of Permitted Use/Activity) 8998 Etiwanda Ave Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY:

TITLE: Kevin Walton, Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NO: 3418

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — **FIRE SAFETY DIVISION** — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: CH2M Hill DATE: 2/3/00

ADDRESS: 3 Hutton Centre Dr., #200, Santa Ana, CA 92707 PHONE: 714/ 429-2000

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NO: 3418

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: CH2M Hill DATE: 2/3/00

ADDRESS: 3 Hutton Centre Dr., #200, Santa Ana, CA 92707 PHONE: 714/ 429-2000

TO: (Type of Permitted Use/Activity) Removal of 4 above ground storage tanks and associated piping/fillings.

AT: (Location of Permitted Use/Activity) 8998 Etiwanda Ave Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY:

TITLE: Kevin Walton, Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

Rancho Cucamonga Fire Protection District

Fire Safety Division

Etiwanda Station Tank Demolition Project

Four Aboveground Storage Tanks

Rancho Cucamonga Fire Protection District
APPROVED
☑ As Submitted ☐ With Noted Conditions
By _____ Date 2/3/2000
Kevin D. Walton, Fire Inspector

Site Information: Southern California Edison
8998 Etiwanda Avenue
Rancho Cucamonga, California

Property Owner Information: Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Current Occupant Information: Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Contractor Information: CH2M HILL Constructors
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707
Contractor License No.: 733633 Class: A, B, HAZ, HIC

Consultant Information: CH2M HILL
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707

Degassing Contractor Information: No degassing required (Product: Fuel Oil)

Hazardous Waste Hauler Information: Fuel Oil will be removed and cleaned by the facility prior to demolition.

Marine Chemist Information: Thomas D. Beck & Associates, Inc.
d.b.a. Harbor Testing Laboratory
(562) 492-9646

Scope of Work: Demolition and removal of (4) – Aboveground Storage Tanks containing fuel oil, sampling, and final reporting.

Removal Method: The tanks will be emptied and cleaned by the facility prior to demolition activities. The tanks will be verified clean and vapor free by the demolition

contractor, fire department, and the marine chemist prior to demolition activities. The tanks will be cut up systematically by use of hydraulic shears.

Projected Job Construction Schedule: April 3, 2000 through 9/29/2000

Worker Site Respiratory Protection Action Levels: Covered in Health and Safety Plan (HASP).

Compliance with fire retardant clothing requirements for site workers: Covered in HASP.

Site Specific Health and Safety Plan: Attached.

Detailed and Scaled Site Plan: Attached. (Underground Service Alert will be notified 72 hours prior to field activities).

Permit Required Confined Space Entry: May be required. Covered in HASP.

Plan Submittal Documents

1. Rancho Cucamonga Fire District AST Removal Permit Application
2. Photo Copy of Rancho Cucamonga Business License (Submitted application on 1/26/00)
3. Photo Copy of Cal/OSHA excavation permit
4. Photo Copy of Workers Compensation and Liability Insurance Policy
5. Photo Copy of Contractors License with hazardous materials endorsement
6. MSDS Sheet for tanks contents
7. Site Specific Health and Safety Plan
8. 3 Sets of Detailed and Scaled Site Plan

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

(✓) Other (Specify) REMOVAL OF (4) - ABOVEGROUND FUEL OIL STORAGE TANKS

At: Business Name SOUTHERN CALIFORNIA EDISON

Address 8998 ETIWANDA AVE.

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

FUEL OIL TANKS FOR BACK-UP EMERGENCY POWER GENERATION. BACK-UP FUEL NO LONGER REQUIRED PER REGULATIONS. (TANK DEMOLITION TABLE ATTACHED).

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name MARK FATOR Phone (714) 429-2020 EXT. 2505

Applicant's Signature Mark J. Fator Date

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED ( )
DENIED ( )

(Signature) (Date)

(Title)

FIRE AGENCY REPRESENTATIVE

TELEPHONE

Fee Due $ Date Paid

Rev. 3/92

STATION TANK DEMOLITION PROJECT

ETIWANDA FACILITY
8998 ETIWANDA AVENUE
RANCHO CUCAMONGA, CALIFORNIA

TANK DEMOLITION TABLE

LOCATION	TANK NUMBER	SIZE	VOLUME (GALLONS)	STEEL WEIGHT (TONS)
Etiwanda Facility	South East	48 ft. H X 220 ft. D	13,294,470	759
	South West	48 ft. H X 220 ft. D	13,312,194	759
	East Center	48 ft. H X 140 ft. D	5,369,910	393
	West Center	48 ft. H X 140 ft. D	5,369,448	393
		TOTALS	**37346022**	**2304**

H- Height of tank
D- Diameter of tank

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

No: **2000-567142**

PERMIT

Permit Issued To
(Insert Employer's Name, Address and Telephone No.)

CH2M Hill Constructors Inc
1111 Broadway , Suite 1200
Oakland CA 94607-4046

510-251-2888 x 2173

RECEIVED JAN 14 RECD CH2M HILL SAN FRANCISCO

No.
Date 1/11/2000
Region 1
District 4
Tel. 510-622-2916

Type of Permit T1-ANNUAL TRENCH/EXCAVATION

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number	733633	Permit Valid through	December 31, 2000	
Description of Project	Location Address	City and County	Anticipated Dates	
			Starting	Completion
Various	Statewide		or issue date whichever is later.	12/31/2000

This Permit is issued upon the following conditions:

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.

2. The employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.

3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.

4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.

5. This permit shall be posted at or near each place of employment as provided in 8 CCR 341.4

Received From	Received By (sa)
David Poole	Santokh Kahlon

☐ Cash / ☒ Check 1575	Amount	Date
	$100.00	1/11/00

Investigated by Santokh S. Kahlon 1/12/00
Safety Engineer Date

Approved by [signature] Jan 11, 2000
District Manager/Permit Unit Date

LSFO

A, A

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

LOW SULFUR FUEL OIL

PRODUCT NUMBER(S): CPS283864

COMPANY IDENTIFICATION

Chevron USA Products Company
Environmental, Safety, and Health
575 Market St., Room 2900
San Francisco, CA 94105-2856

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-8623 or
(510)231-8623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (202)483-7616

PRODUCT INFORMATION: MSDS Requests: (415) 894-2783
Environmental, Safety, & Health Info: (415) 894-189
Product Information: (510) 242-5357

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % LOW SULFUR FUEL OIL

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
FUEL OIL, NO. 6 Chemical Name: FUEL OIL, NO. 6 CAS68553004	100.0%		

INCLUDING

CAT CRACKED CLARIFIED OIL
Chemical Name: CLARIFIED OILS, CATALYTIC CRACKED
CAS64741624

TOTAL SULFUR, MASS %

< 0.5%

Revision Number: 3 Revision Date: 11/03/93 MSDS Number: 002726

NDA - No Data Available NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Numb
A1-5 - Appendix A Categories	() - Change Has Been Proposed

3. HAZARDS IDENTIFICATION

********** EMERGENCY OVERVIEW **********

Black liquid.

- COMBUSTIBLE
- HEATING MAY RELEASE HIGHLY TOXIC AND FLAMMABLE HYDROGEN SULFIDE (H2S) GAS
- CANCER SUSPECT AGENT
- PROLONGED OR REPEATED SKIN CONTACT MAY INCREASE THE RISK OF SKIN CANCER

****

POTENTIAL HEALTH EFFECTS
EYE:
This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the data from similar materials.
SKIN:
Expected to cause no more than minor skin irritation, but prolonged or frequently repeated skin contact may be harmful. The systemic toxicity o this substance has not been determined. However, it should be practicall non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on data from similar materials.
INGESTION:
If swalloved, this substance is considered practically non-toxic to internal organs. This hazard evaluation is based on data from similar materials.
INHALATION:
Prolonged breathing of vapors can cause central nervous system effects.

This substance contains sulfur compounds which may form hydrogen sulfide. The rotten eggs odor of hydrogen sulfide is unreliable as an indicator of concentration. The U.S. Occupational Safety and Health Administration (OSHA) considers an atmophere containing concentrations of H2S greater than 300 ppm to be Immediately Dangerous to Life and Health (IDLH). This hazard evaluation is based on data from similar materials.

SIGNS AND SYMPTOMS OF EXPOSURE:
INHALATION: Central nervous system effects may include one or more of following: headache, dizziness, loss of appetite, weakness and loss of

coordination.
CARCINOGENICITY:
This product contains a mixture of petroleum hydrocarbons called middle distillates (which means they boil between approximately 350F and 700F) Because of this broad description, many products are considered middle distillates yet they are produced by a variety of different petroleum refining processes. Toxicology data developed on some middle distillat found that they caused positive responses in some mutagenicity tests an caused skin cancer when repeatedly applied to mice over their lifetime. This product may contain some middle distillates found to cause those adverse effects.

This product is of varying composition and may contain significant amou of polynuclear aromatic hydrocarbons (PAHs) which have been shown to ca skin cancer after prolonged or frequent contact with the skin of test animals. When a similar material was repeatedly applied to the skin of mice, there was a moderate increase in skin cancer. Skin contact and inhalation of mists or vapors should be reduced to a minimum.

---

4. FIRST AID MEASURES

EYE:
No first aid procedures are required. However, as a precaution flush ey with fresh water for 15 minutes. Remove contact lenses if worn.
SKIN:
Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.
INGESTION:
If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person a product container to the nearest medical emergency treatment center or hospital.
INHALATION:
If any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor. If there are signs or symptoms as described in this document due to breathir hydrogen sulfide, move the person to fresh air. If breathing has stopped apply artificial respiration. Call a doctor.

---

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: (P-M) 100F (82C) Min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NDA Upper: NDA

EXTINGUISHING MEDIA:
CO2, Dry Chemical, Foam, Water Fog.
NFPA RATINGS: Health 0; Flammability 2; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85 F. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide, water vapor and may produce oxid of sulfur. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)483-7616
ACCIDENTAL RELEASE MEASURES:
Eliminate all sources of ignition in vicinity of spill or released vapor

Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminat soil. Follow prescribed procedures for reporting and responding to larg releases. This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems.

U.S.A. regulations require reporting spills of this material that could reach any surface waters. The toll free number for the U.S. Coast Guard National Response Center is (800) 424-8802.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:
READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. DO NOT USE OR STORE

near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. NOT weld, heat or drill container. Replace cap or bung. Emptied contain still contains hazardous or explosive vapor or liquid.

Toxic quantities of hydrogen sulfide (H2S) may be present in storage tan and bulk transport vessels which contain or have contained this material Persons opening or entering these compartments should first determine if H2S is present. See Exposure Controls/Personal Protection section. DO NOT ATTEMPT RESCUE WITHOUT WEARING APPROVED SUPPLIED-AIR OR self-contain breathing equipment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT
EYE/FACE PROTECTION:
No special eye protection is usually necessary.
SKIN PROTECTION:
Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.
RESPIRATORY PROTECTION:
No special respiratory protection is normally required. However, if operating conditions create high airborne concentrations, the use of an approved respirator is recommended. Note: If any of the applicable hydrogen sulfide standards are likely to be exceeded, positive supplied-air respiratory protection must be used. The ACGIH TWA for hydrogen sulfide is 10 ppm. The OSHA STEL is 15ppm.
ENGINEERING CONTROLS:
Use this material only in well ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Black liquid.

pH:	NDA
VAPOR PRESSURE:	NDA
VAPOR DENSITY (AIR=1):	NDA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	0.99 @ 15.6/15.6 C

DENSITY: NDA
VISCOSITY: 5.6 cSt @ 100C Min.

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10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
Heating this material may produce hydrogen sulfide.
CHEMICAL STABILITY:
Stable.
CONDITIONS TO AVOID:
No data available.
INCOMPATIBILITY WITH OTHER MATERIALS:
May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.

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11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
The Draize Eye Irritation Score (range, 0-110) in rabbits is 4.0-7.3/110.
SKIN EFFECTS:
The dermal LD50 in rabbits is greater than 5 ml/kg. The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0.2-1.5.
ACUTE ORAL EFFECTS:
The oral LD50 in rats is greater than 5 ml/kg.
ACUTE INHALATION EFFECTS:
No product toxicology data available. The hazard evaluation was based on data from similar materials.
ADDITIONAL TOXICOLOGY INFORMATION:
The data above is obtained from studies sponsored by the American Petroleum Institute (API).

CHRONIC EFFECTS/CARCINOGENICITY:
Residual (heavy) fuel oils were revieved by the International Agency for Research on Cancer (IARC) in their Monograph Volume 45 (1989). Evidence for causing cancer was considered inadequate in humans and sufficient in animals. IARC placed this material in Category 2B, considering it possibly carcinogenic to humans.

This material contains the high-boiling fraction of catalytically cracked oils. The International Agency for Research on Cancer (IARC) in Monograph 33 (1984) and Supplement 7 (1987) included these oils in their definition of Untreated and Mildly-Treated Oils. IARC considers these oils to be

Group 1, or human, carcinogens.

This material contains Cat Cracked Clarified Oil. Tests have shown it t cause skin cancer, liver and thymus damage, anemia, fetal death and birt defects in laboratory animals. These effects were observed after prolonged and repeated skin contact. It must be assumed that these effects could also occur in humans after prolonged or repeated skin contact, therefore, appropriate skin protection is essential when handli this material.

---

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
The 96-hour LC50 in Atlantic silverside (Menidia menidia) is 130 mg/l.
The 96-hour EC50 in diatom (Skeletonema costatum) is 160 mg/l.
ENVIRONMENTAL FATE:
No data available.

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13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:
This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by USEPA under RCRA (40CFR261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

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14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: GAS OIL
DOT HAZARD CLASS: COMBUSTIBLE LIQUID
DOT IDENTIFICATION NUMBER: UN1202

DOT PACKING GROUP: III

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15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects: YES
2. Delayed (Chronic) Health Effects: YES
3. Fire Hazard: YES
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	21=TSCA Sect 4(e)
02=MASS RTK	12=CERCLA 302.4	22=TSCA Sect 5(a)(2)
03=NTP Carcinogen	13=MN RTK	23=TSCA Sect 6
04=CA Prop 65-Carcin	14=ACGIH TWA	24=TSCA Sect 12(b)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCA Sect 8(a)
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 8(d)
07=IARC Group 2A	17=OSHA PEL	27=TSCA Sect 4(a)
08=IARC Group 2B	18=DOT Marine Pollutant	28=Canadian WHMIS
09=SARA 302/304	19=Chevron TWA	29=OSHA CEILING
10=PA RTK	20=EPA Carcinogen	30=Chevron STEL

The following components of this material are found on the regulatory lists indicated.

CLARIFIED OILS, CATALYTIC CRACKED
is found on lists: 06,
FUEL OIL, NO. 6
is found on lists: 08,

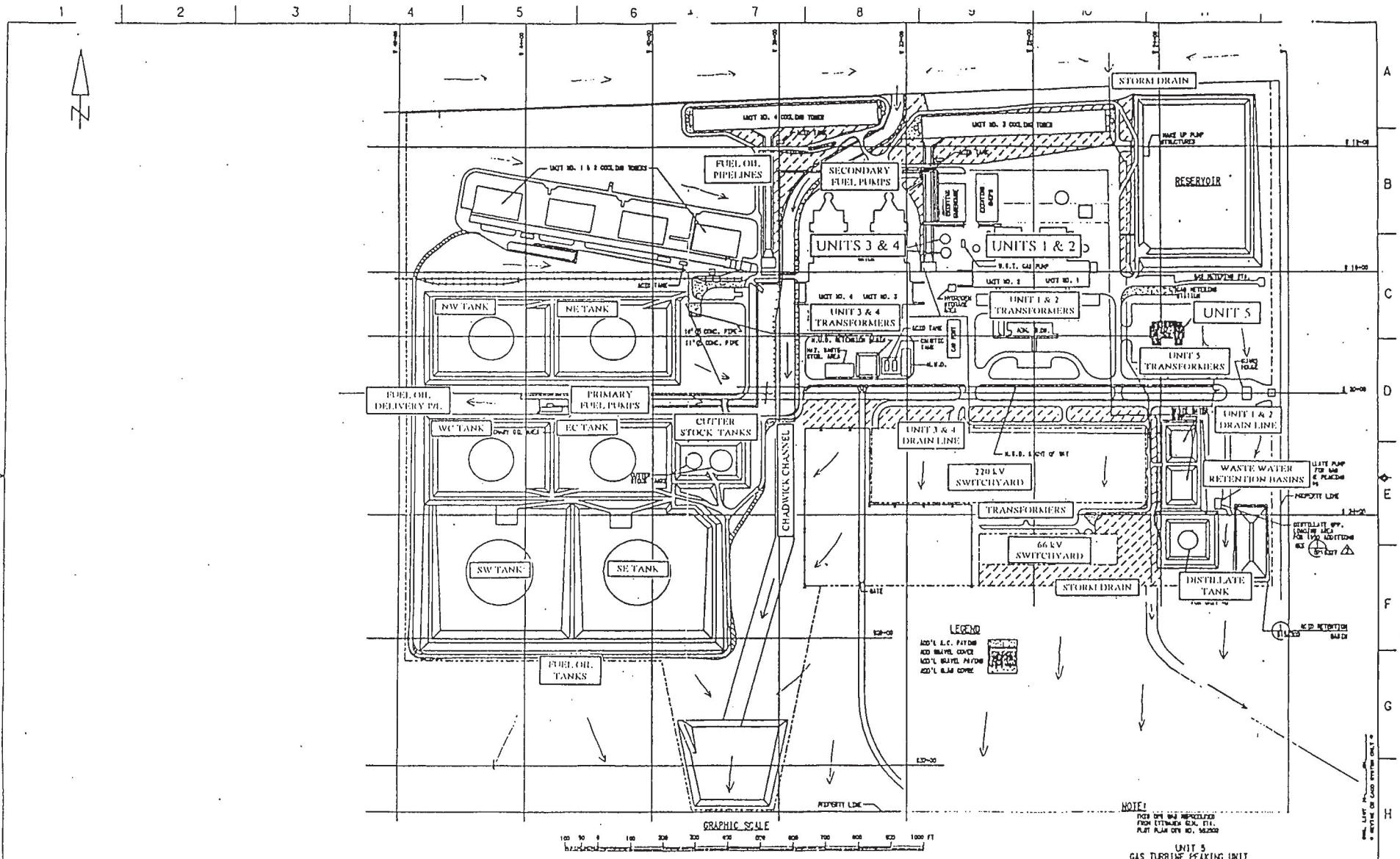
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16. OTHER INFORMATION

NFPA RATINGS: Health 0; Flammability 2; Reactivity 0;
(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This Material Safety Data Sheet has been revised to comply with the ANSI Z400.1 Standard.

****



UNIT 5
GAS TURBINE PEAKING UNIT

ETIWANDA GENERATING STATION

SITE ARRANGEMENT PLAN

Southern California Edison

SHEET NO.

5243807-0

Rancho Cucamonga Fire Protection District

Fire Safety Division
10500 Civic Center Drive, Rancho Cucamonga, Ca. 91729 (909) 477-2770 fax (909)477-2772

Underground Storage Tank Abandonment/ Removal Requirements

General Information

In order to obtain a permit to abandon or remove underground storage tanks, a completed application for permit and plans must be submitted for approval, **prior** to any work being performed at the site. Upon obtaining approval of the application and plans, the project then can be scheduled with a Fire Inspector. Plans and complete application must be submitted at least ___ days prior to the planned date of actual site work.

Required Information to be included with plan submittal - submit 3 complete sets

- ❑ Site Information:
- ❑ Property Owner information:
- ❑ Current Occupant information:
- ❑ Contractor information:
- ❑ Consultant information:
- ❑ Degassing contractor information:
- ❑ Hazardous waste hauler information:
- ❑ Marine Chemist or Certified Industrial Hygienist information:
- ❑ The scope of work to be performed:
- ❑ The method of abandonment/ removal:
- ❑ A projected job schedule:
- ❑ Work site respiratory protection action levels
- ❑ Compliance with fire retardant clothing requirement for site workers
- ❑ A site specific health and safety plan.
- ❑ A detailed and scaled site plan, including location of tank(s), piping, openings; buildings and structures; property lines; and underground/ underground utilities. The use of a Underground Service Alert will satisfy
- ❑ If Permit Required Confined Space Entry is required

Required documents to be included with plan submittal

- ❑ Application for Rancho Cucamonga Fire District UST Removal permit
- ❑ Photocopy of Rancho Cucamonga Business License
- ❑ Photocopy of Cal/ OSHA excavation permit
- ❑ Original or photocopies of Workers Comp and liability insurance policies
- ❑ Photocopy of California contractors license with hazardous materials endorsement
- ❑ Proof of tank contents or results of lab sample(s)

Must have available at the site

- ❑ Cal/OSHA competent person for the excavations.
- ❑ Cal/OSHA annual crane certificate
- ❑ Marine Chemist or CIH Certification
- ❑ SCAQMD degassing permit
- ❑ EPA generator identification number
- ❑ Copies of employee HAZWOPER training records
- ❑ Company safety plan

General Site Requirements

- ❑ The contractor appearing on the UST permit is responsible and accountable for the job site. The contractor shall either perform the work and/or be on site to oversee subcontractors.
- ❑ All Cal/OSHA excavation regulations are strictly enforced
- ❑ Cal/OSHA safety equipment requirements are strictly enforced
- ❑ All DMV/ DOT regulations are strictly enforced
- ❑ Fire retardant clothing shall be worn while working around flammable/ combustible vapors
- ❑ Elimination of ignition sources shall be accordance with Nationally Recognized Standards
- ❑ Equipment shall be bonded and/or grounded and listed for use in hazardous locations.
- ❑ All work performed on the tank and piping shall be done with non-sparking tools, except that work may be performed in accordance with NFPA 306 and under the supervision of a certified Marine Chemist or tanks which contain 0% LEL constantly monitored by a trained and qualified person, with standard tools.
- ❑ A combustible gas indicator and an oxygen rneter shall be on site, calibrated, and operated by a trained and qualified person (documentation required). Continuous readings shall be taken around the job site to detect accumulation of explosive vapors. If 20% LEL is detected, all operations will halt and you will have a half hour for the dissipation of vapors or the job will be shut down. **NOTE: Conversion charts or an instrument capable of monitoring the specific tank contents is required. Instruments shall be protected from sensor poisoning from leaded fuels.**
- ❑ Piping shall be flushed before it is disconnected from the tank; if not, it is subject to being hauled as a hazardous waste.
- ❑ A ratio of 20 lb. of dry ice per 1000 gallons of tank capacity is required for inerting procedures.
- ❑ Tank shall be emptied and inerted prior to disturbing tank and surrounding material (i.e. concrete, asphalt, etc.)
- ❑ Dispensers which are no longer going to be used shall be removed.

DO NOT

- ❑ Remove an underground tank from the excavation without the Fire Inspector present. If so, you may be subject to criminal and/or civil action.
- ❑ Perform any work prior to the arrival of the Fire Inspector as specified above. If so, you may be subject to criminal and/or civil action, and/or shut down.
- ❑ Exceed a 30 minute delay in work or from the scheduled inspection start time. If so, you may be subject to additional inspection fees, shutdown or both.
- ❑ Excavate prior to the required notification to Cal OSHA.

I/we have read and understand the above and have received a copy of this document.

Project Safety Manager _____ Date 1/31/00

Contractor Mark D. Foster Date 1/31/00

Lindsey Dandridge-Perry

From: RANCHOCUCAMONGACA Support <ranchocucamongaca@mycusthelp.net>
Sent: Wednesday, September 13, 2023 3:56 PM
To: Lindsey Dandridge-Perry
Subject: [Records Center] Public Records Request :: R007714-090623

External Email

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of September 06, 2023, Reference # R007714-090623

Dear Lindsey Dandridge-Perry,

The City of Rancho Cucamonga received the below records request from you on September 06, 2023. Your request mentioned:

> **"I would like to review any current or historical building permits for address 8996 Etiwanda Avenue, Rancho Cucamonga, CA or APN 0229-283-79-0000."**

The City of Rancho Cucamonga has reviewed its files and has located responsive records to your request. Please log in to the Public Records Center at the following link to retrieve the appropriate responsive documents.
Public Records Request - R007714-090623

Thank you for your attention in the matter.

Sincerely,

Kimberly Solorio
Records Management Analyst
City Clerk's Office/Records Management
records@cityofrc.us
T. (909)-774-2023 Fax (909) 919-2952

To monitor the progress or update this request please log into the Public Records Center



Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 8996 ETIWANDA AVE **Record Number: PMT2015-03477**

Parcel #: 022928379-0000 Lot: Issued Date: 01/09/2017
Tract: Phase: Parcel Area:
Project Description: Rough Grading for SCE access road for Falcon Ridge 66kv subtransmission located on Etiwanda spanning from East Avenue to Napa Street

Owner
RELIANT ENERGY ETIWANDA INC
1111 LOUISIANA RM 4473
No Phone

Contractor **License No.**

Comments:
THIS PLAN CHECK EXPIRED PER JENNIFER ON 7/22/16 - NOTIFIED APPLICANT, LEFT MESSAGE TO PICK UP PLANS OR PLANS WILL BE RECYCLED IN DECEMBER

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$35.11
Plan Check Fee	$444.78
Inspection Fee	$335.54
Permit Fee:	**$815.43**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use	Quantity
Rough Grading - Cut and Fill	1525

Plumbing Equipment

Equipment Type	Qty

PERMIT EXPIRED
NO WORK DONE IN LAST 180 DAYS
Permit Holder Notified __/__/__
Sign _____ Date __/__/__

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1-9-17

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 8996 ETIWANDA AVE **Record Number: PMT2015-03219**

Parcel #: 022928379-0000 Lot: Issued Date: 07/13/2015
Tract: Phase: Parcel Area:
Project Description: Add pump and electrial to existing irrigation system to convert from potable water to reclaimed water

Owner
RELIANT ENERGY ETIWANDA INC
1111 LOUISIANA RM 4473
No Phone

Contractor
MARIPOSA LANDSCAPES INC
15529 ARROW HIGHWAY
626-960-0196

License No.
592268

Electrical Fixtures

Fixture Type	Qty
Miscellaneous Apparatus, Conduits, and Conductors	1

Fees

Type	Amount
ELE Inspection Fee	$65.94
MISC Technology Fee	$2.97
Permit Fee:	**$68.91**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Finaled

I verify that I have.read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction. & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 7/13/15

Printed: 7/13/2015

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 8996 ETIWANDA AVE **Record Number: PMT2015-00761**

Parcel #: 022928379-0000 Lot: Issued Date: 03/24/2015
Tract: Phase: Parcel Area:
Project Description: EVGO electric car charging station (Etiwanda Generating Station)

Owner
RELIANT ENERGY ETIWANDA INC
1111 LOUISIANA RM 4473
No Phone

Contractor **License No.**
PACIFIC TECHNICAL RESOURCES INC 814375
13913 MAGNOLIA AVE
909-548-4992

Electrical Fixtures

Fixture Type	Qty
Receptacle, Switch, and Lighting Outlets	2

Fees

Type	Amount
ELE Inspection Fee	$64.65
MISC Technology Fee	$2.91
ELE Plan Check Fee	$36.85
ELE Inspection Fee	$-36.85
Permit Fee:	**$67.56**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/24/15

Printed: 3/24/2015

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2013-04840**

APN NUMBER : 022928377-0000 ISSUED : December 19, 2013

PROJECT DESCRIPTION : T/O BUR ROOFING & FOAM, RE-ROOF WITH TPO SINGLE PLY ROOFING - 110 SQUARES (MAINTENANCE WAREHOUSE)

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
ROSEMEAD CA, 91770

Telephone :

Contractor
COOK COATINGS
19955 CALLE LOBITO
MURRIETA, CA 92562

Telephone : 909-600-0270

License No.
CON438394-C39

Description	Const. Type	Units
Re-roofing (Comp/Metal)		110

Work Covered
BLD : C ELE : N
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINALED 2/11/14 PAR

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$17.13
Misc. Inspection Fee 1 (54%)	BS1	1086	$380.67
Permit Fee:			**$397.80**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12-19-13

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2013-04839**

APN NUMBER : 022928377-0000 ISSUED : December 19, 2013

PROJECT DESCRIPTION : T/O BUR ROOFING & FOAM, RE-ROOF WITH TPO SINGLE PLY ROOFING - 110 SQUARES (MAINTENENCE BUILDING)

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
ROSEMEAD CA, 91770

Telephone :

Contractor
COOK COATINGS
19955 CALLE LOBITO
MURRIETA, CA 92562

Telephone : 909-600-0270

License No.
CON438394-C39

Description	Const. Type	Units
Re-roofing (Comp/Metal)		110

Work Covered
BLD : C ELE : N
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINALED 2/12/14 PAR

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$17.13
Misc. Inspection Fee 1 (54%)	BS1	1086	$380.67
Permit Fee:			**$397.80**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12-19-13

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS: 8996 ETIWANDA AVE | **PERMIT NO: PMT2012-03561**

APN NUMBER : 022928377-0000 ISSUED : December 05, 2012

PROJECT DESCRIPTION : T/O FOAM ROOFING AND REROOF WITH TPO COMMERCIAL ROOF- 75 SQUARES

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
ROSEMEAD CA, 91770

Telephone :

Contractor
HULL & SONS ROOFING INC.
8960 JURUPA ROAD
RIVERSIDE, CA 92509

Telephone : (909) 685-9499

License No.
CON554747 C-39

Description	Const. Type	Units
Re-roofing - Other roofs		75

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Inspection Fee 1 (54%)	BS1	1086	$310.68
Permit Fee:			**$310.68**

PERMIT EXPIRED

NO WORK DONE IN LAST 150 DAYS

Permit Holder Notified ___/___/___

Sign _____ Date ___/___/___

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12-5-12

This is a permit when properly completed and signed, and is subject to expiration. If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2011-02293**

APN NUMBER : 022928377-0000 ISSUED : September 29, 2011

PROJECT DESCRIPTION : Install Fire Alarm Monitoring in building # 5 battery room for "GenOn Energy" - (1 FACP w/4 devices to be monitored on-site locally)

Owner
RRI ENERGY (ETIWANDA GENERATING ST)
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Telephone :

Contractor
ANDTECH CORPORATION
12908 HASTER STREET
GARDEN GROVE, CA 92640

Telephone : (714) 750-5500

License No.
CON677638 C07/C10

Description	Const. Type	Units
FA/Fire Monitoring (0-15 devices/sys:		4

Work Covered
BLD : N ELE : N
MEC : N PLM : N
FIR : Y

Const. Types

Occupancy Groups

Case Notes :

FINALED 10/19/11 MAF

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
F-Inspection Fee (43%)	BS3	1086	$60.29
Permit Fee:			**$60.29**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 9/29/11

This is a permit when properly completed, and signed, and is subject to expiration. If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga, CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2011-01252**

APN NUMBER : 022928377-0000 ISSUED : August 18, 2011

PROJECT DESCRIPTION : INSTALL (2) ROOF MOUNTED EXHAUST FANS FOR "GEN-ON" (ELECTRICAL CONDUIT TO EXHAUST FANS)

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
ROSEMEAD CA, 91770

Telephone :

Contractor
TRI-PACIFIC HEATING & A/C, LP
2116 EAST WALNUT AVE
FULLERTON, CA 92831

Telephone : 714/888-6820

License No.
CON894392

Description	Const. Type	Units

Work Covered
BLD : N ELE : Y
MEC : Y PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty
Miscellanous Apparatus, Conduits, and Conductors	1

Mechanical Equipment

Equipment Type	Qty
Ventilation System	2

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	BS3	1079	$29.61
ELE Inspection Fee	BS3	1079	$29.60
MEC Issuance Fee	BS3	1080	$29.61
MEC Inspection Fee	BS3	1080	$118.07
ELE Plan Review Fee	JMQ	1084	$57.32
MEC Plan Review Fee	JMQ	1085	$57.32
Permit Fee:			**$321.53**

PERMIT EXPIRED
NO WORK DONE IN LAST 180 DAYS
Permit Holder Notified ___/___/___
Sign _____ Date ___/___/___

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 8/18/11

This is a permit when properly completed, and signed, and is subject to expiration. If work thereunder is not commenced or suspended or abandoned for 180 days.

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2011-00508**

APN NUMBER : 022928377-0000 ISSUED : March 07, 2011

PROJECT DESCRIPTION : FD TAG - ADDITIONAL MECHANICAL EQUIPMENT, HEAT PUMP & VENT FAN

Owner

Telephone :

Contractor
K & S AIR CONDITIONING INC.
143 E. MEATS
ORANGE, CA 92865

Telephone : 714-685-0077

License No.
CON483431-C20

Description | Const. Type | Units :

Work Covered
BLD : ELE :
MEC : Y PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty
Boiler/Compressor	1
Ventilation Fan	1

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
MEC Issuance Fee	BS2	1080	$29.61
MEC Inspection Fee	BS2	1080	$118.07
Permit Fee:			$147.68

PERMIT EXPIRED
NO WORK DONE IN LAST 180 DAYS
Permit Holder Notified ___/___/___
Sign _____ Date ___/___/___

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/7/10

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2010-02236**

APN NUMBER : 022928377-0000 ISSUED : December 01, 2010

PROJECT DESCRIPTION : FD TAG 370 SQ FT PUMP HOUSE ENCLOSURE - RELIANT ENERGY

Owner
RELIANT ENERGY
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA

Telephone :

Contractor
BREMCO CONSTRUCTION
3470 EAST SPRING ST
LONG BEACH, CA 90806

Telephone : 562 595-4687

License No.
CON319444-B/C-8

Description	Const. Type	Units
Industrial		370

Work Covered
BLD : Y ELE : Y
MEC : N PLM : N
FIR : N

Const. Types
IIB

Occupancy Groups
U

Case Notes :
5/31/11 FINAL

Electrical Fixtures

Fixture Type	Qty
Service/Sub Panels Each	1
Outlet, Switch, etc.	8
Fixture Device-Standard	3

Fees

Type	By	T.C.	Amount
Inspection Fee (43%)	BS2	1086	$1,387.96
SMIP Fee	BS2	1096	$21.92
SB1473	BS2	1473	$1.00
Permit Fee:			**$1,410.88**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent P. Nail Bremco Date 12.1.10

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

FIRE CONSTRUCTION SERVICES
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2713
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2010-02183**

VALUATION :

ISSUED : October 14, 2010

PROJECT DESCRIPTION : Install Fire Alarm Monitoring in battery room for "RRI ENERGY" - (1 FACP w/4 devices)

Owner
RRI ENERGY (ETIWANDA GENERATING ST)
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Telephone :

Contractor
ANDTECH CORPORATION
12908 HASTER STREET
GARDEN GROVE, CA 92640

Telephone : (714) 750-5500

License No.
CON677638 C07/C10

Case Notes :

Finaled
1/19/11
MAF

Fees

Type	By	T.C.	Amount
F-Inspection Fee (43%)	BS3	1086	$60.29
Permit Fee:			**$60.29**

Fire

Fire Items	Units
FA/Fire Monitoring (0-15 devices/system)	4.00

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 10-14-10

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2010-01352**

APN NUMBER : 022928377-0000 ISSUED : February 08, 2011

PROJECT DESCRIPTION : PLATFORMS AND GRATINGS FOR ACCESS AROUND EXISTING HEAVY EQUIPMENT (RRI ENERGY)

Owner
RRI ENERGY (ETIWANDA GENERATING ST)
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Telephone :

Contractor
J & W CONSTRUCTION SPECIALTIES
15351 TEXACO AVE
PARAMOUNT, CA 90723
Telephone : 562 630-0026

License No.
CON705905
A/C4/C36/B/C51/C21

Description	Const. Type	Units

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :
Exterior Platforms only - per FCS MED

Provide a copy of concrete special inspection report. Provide letter from engineer of record construction is in compliance w/drawings and specifications. per B&S JDW

Electrical Fixtures

Fixture Type	Qty

FINALED 6/8/11 MDF

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Inspection Fee (43%)	BS1	1086	$118.63
Permit Fee:			**$118.63**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-8-11

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

FIRE CONSTRUCTION SERVICES
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2713
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2009-02177**

VALUATION :

ISSUED : March 31, 2010

PROJECT DESCRIPTION : Cap Off the Existing 10" Underground Line that is suppling the existing "Inland Empire Water District Property" - (PARCEL #022928379/PARCEL 1 & 2)

Owner

Telephone :

Contractor
ACTION FIRE PROTECTION
10692 STANFORD
SUITE B
GARDEN GROVE, CA 92840
Telephone : 714 260-0101

License No.
CON848831 C16

Case Notes :

FINALED 4/14/10 MAF

Fees

Type	By	T.C.	Amount
F-Inspection Fee (43%)	BS3	1086	$153.03
Permit Fee:			**$153.03**

Fire

Fire Items	Units
Underground fire line and on-site hydrants	1.00

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/31/10

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DEPARTMENT COPY

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 8996 ETIWANDA AVE **Record Number: PMT2008-02700**

Parcel #: 022928377-0000 Lot: Issued Date:
Tract: Phase: Parcel Area: 4
Project Description: Cut & Cap 3 underground fire hydrant laterals

Owner

Contractor
ACTION FIRE PROTECTION
10692 STANFORD
714 260-0101

License No.
848831 C16

Fees	
Type	Amount
F-Hourly Review Rate	$237.26
Permit Fee:	**$237.26**

Fire Alarm Detail	
Fixture Type	Qty

Fire Miscellaneous Detail	
Fixture Type	Qty
Miscellaneous Fee	2

Fire Underground Detail	
Fixture Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

Printed: 8/7/2019

FIRE CONSTRUCTION SERVICES
10500 Civic Center Drive
Rancho Cucamonga, CA 91730
TEL # (909) 477-2713
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA AVE | **PERMIT NO. : PMT2008-01238**

VALUATION :

ISSUED : December 01, 2008

PROJECT DESCRIPTION : Install Underground Fire Line and Fire Pumps for "Reliant Energy" - (1 lateral connection and 2 fire pumps)

Owner
SOUTHERN CALIFORNIA EDISON
ATTN: JACQUIE AGUILAR
298 KANSAS STREET
REDLANDS, CA 92373
Telephone :

Contractor
ACTION FIRE PROTECTION
10692 STANFORD
UNIT B
GARDEN GROVE, CA 92840
Telephone :

License No.
CON848831 C16

Case Notes :

Fees

Type	By	T.C.	Amount
F- Additional Plan Review Fee	PAW	1083	$648.00
F-Inspection Fee (43%)	BS2	1086	$413.01
Permit Fee:			**$1,061.01**

Fire

Fire Items	Units
Fire Pump	2.00
Underground fire line and on-site hydrants	1.00
Fire Sprinklers (Hydraulic calcs)	1.00

PERMIT EXPIRED
NO WORK DONE IN LAST 180 DAYS
Permit Holder Notified __/__/__
Sign _____ Date __/__/__

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12-1-08

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA | **PERMIT NO. : PMT2007-03355**

APN NUMBER : 022928377-0000
ISSUED : April 21, 2008

PROJECT DESCRIPTION : SEPTIC SYSTEM

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
ROSEMEAD CA, 91770

Telephone :

Contractor
PROFESSIONAL CONSTRUCTION SERVICES
9130 SANTA ANITA
RANCHO CUCAMONGA, CA 91730
Telephone : 909 581-1918

License No.
CON775392
C27/D06/C08/B01/A00

Description	Const. Type	Units

Work Covered
BLD : ELE :
MEC : PLM : Y
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINALED 5/20/08 CWL

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty
Septic System	1

Fees

Type	By	T.C.	Amount
PLM Issuance Fee	BS2	1081	$28.66
PLM Inspection Fee	BS2	1081	$114.63
PLM Plan Review Fee	BS2	1087	$57.32
Permit Fee:			**$200.61**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date APR. 21, 08

This is a permit when properly completed, and signed, and is subject to expiration. If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA | **PERMIT NO. : PMT2006-05212**

APN NUMBER : 022928377-0000 ISSUED : June 25, 2007

PROJECT DESCRIPTION : ROUGH GRADING FOR SCE (CUT 272,000 & FILL 272,000)

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
ROSEMEAD CA, 91770

Telephone :

Contractor | **License No.**

Telephone :

Description	Const. Type	Units
Rough Grading (Cut & Fill)		544,000

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

Finaled 6/10/08

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Grading Inspection Fee (35%)	BS2	1082	$1,759.04
Permit Fee:			**$1,759.04**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6-25-07

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 8996 ETIWANDA AVE **Record Number: PMT2005-05558**

Parcel #: 022928377-0000 Lot: Issued Date: 01/04/2006
Tract: Phase: Parcel Area: 4
Project Description: ROUGH & PRECISE GRADING

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
626-302-8422

Contractor **License No.**

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Plan Check Fees	$663.13
Plan Check Fees	$149.30
Precise Grading (35%)	$80.39
Grading Inspection Fee (35%)	$357.07
Permit Fee:	**$1,249.89**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use	Quantity
Rough Grading (Cut & Fill)	3200
PG - Commercial / Industrial (Acres)	2

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

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BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 8996 ETIWANDA | **PERMIT NO. : PMT2001-02976**

VALUATION :

ISSUED : June 11, 2001

PROJECT DESCRIPTION : Electrical & Mechanical for Emissions reduction unit

Owner
RELIANT ENERGY
8996 ETIWANDA AV
RANCHO CUCAMONGA, CA

Telephone :

Contractor
APPLIED UTILITY SYSTEMS
3990 BUSINESS CENTER

IRVINE, CA 92612
Telephone : 949-852-8950 (EXT. 225 - MIKE
License No. C~~MAR250~~ A

Item	Rate	Unit Qty

Work Covered
BLD : ELE : Y
MEC : Y PLM :
FIR :

Construction Types

Occupancy Groups

Case Notes :

Finaled
2/13/02
CBB

Electrical Fixtures

Fixture Type	Qty
Outlet, Switch, etc.	4
Motor, Generator, Transformer <=1hp	4
Motor, Generator, Transformer >1 <=10hp	4
Motor, Generator, Transformer >10 <=50hp	2
Motor, Generator, Transformer >10 <=50hp	2
Motor, Generator, Transformer >10 <=50hp	4
Service <=600volts <=200amps	8
Service <=600volts >200 <=1,000amps	2

Fees

Type	By	T.C.	Amount
ELE Permit Fee	BLD	1079	$388.00
ELE Issuance Fee	BLD	1079	$15.00
MEC Issuance Fee	BLD	1080	$15.00
MEC Permit Fee	BLD	1080	$13.00
	Total:		**$431.00**

Mechanical Equipment

Equipment Type	Qty
Each appliance not classed	2

Plumbing Equipment

Equipment Type	Qty

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6/11/01 8/22/01

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

BUILDING PERMIT

SITE ADDRESS : **8996 ETIWANDA**
STATUS : **ISS**
VALUE : **$ 4,000,000.00**
PROJECT DESCRIPTION : **S.C.E. RETROFIT FOR EMISSIONS REDUCTION PROJECT**

PERMIT NO. : **BLD2000-08540**
APPLIED : **12/13/2000**
ISSUED : **2/27/2001**

Finaled 4/15/08 JHB

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE G.O. 1 R
ROSEMEAD CA, 91770

Telephone :

Contractor
APPLIED UTILITY SYSTEMS
3990 BUSINESS CENTER

IRVINE, CA 92612

Telephone : 949-852-8950 (EXT. 225 - MIKE FARRELL)

License #: CON INFORMATION PENI
703250-A

Occupancy Groups		AREA		
1:	2:	LOT:	sf	NUMBER OF UNITS:
3:	4:	1ST FLR:	sf	STORIES:
Construction Types		2ND FLR:	sf	BUILDING HEIGHT: ft
1:	2:	BASEMENT:	sf	
3:	4:	GAR/CARPORT:	sf	
		OTHER:	sf	

Fees

Type	By	T.C.	Amount
Permit Fee	KAP	1086	$10,305.50
	Total:		**$10,305.50**

CASE NOTES :

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent [signature] Date 2-27-01

This is a building permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

2/27/2001 3:29PM

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 477-2710

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	8996 Etiwanda Ave.		
Lot No.	Block	Tract	
Owner	So. Cal. Edison		
Mailing Address	same		
City	R.C.	Zip 91730	Tel. 909-396-8948
Contractor	CPET		
Address	7718 N. Shirk		
City	V. Salia	Zip 93291	Tel. 650-359-2747
State Lic. & Classif.	719892 C-10	City Lic. No.	New

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size ____)	
3	Outlets SHUT OFF SWITCHES (Receptacles, Switches, Lighting Outlets)	2 25
1	CIRCUIT BREAKER Fixtures	
	Motors (HP each 1/4 H.P. MOTOR)	3 00
	Other (Specify ____)	
	Sq.Ft. Area New Res. Bldg. ____ @ ____	
	Sq.Ft. Area New Res. Acc. Bldg. ____ @ ____	
	Plan Chk. Fee ____ Issuance Fee ____	15 00
	TOTAL ELECTRICAL FEES	20 25

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Flr./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee ____		Issuance Fee ____	
			TOTAL MECHANICAL FEES	

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
	Plan Chk. Fee ____		Issuance Fee ____	
			TOTAL PLUMBING FEES	

TOTAL ELEC., MECH., PLMBG. FEES	20 25		
Processed By		Spec. Cond.	
Permit No.	99-7925	Validation TMB	Date 11-15-99

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A/B HAZ Lic. No. 719892

Date 11-15-99 Contractor CPET

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. ____ B.&P.C. for this reason ____

Date ____ Owner ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Golden Eagle Policy Number MWC28-800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the 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 workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 11-15-99 Applicant ____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent ____ Date 11-15-99

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RE		
ELECTRICAL	CONDUIT underground	12/29/99	JLL
	ROUGH WIRING		
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.	2/17/2000	
	TEMP. POWER POLE		
	PANELS, TRANSFORMERS		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U.G. DUCTS/REFRIG LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports		
	RO. PLMBG. Water, Gas, Vents Supports, Flashings		
	GAS TEST		
	FINAL PLMBG. Fixtures, Valves Services		
	WATER HTR. Vent, Valves Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	BACKWATER VALVE		
	OTHER		
	GAS UTILITY CLRNCE.		
SWIM POOL/SPA	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, CLearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		
	INSPECTION	DATE	INSP. SIGN

INSPECTOR NOTES

CCWD APPROVAL REC'D _____ DATE

ENGR. FILE NO. _____

I.W. LOG NO. _____

C.C.W.D. INSPECTION REQUIRED YES _____

NO _____

INSPECTION NOTES

SEWER / PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 8996 ETIWANDA AVE		No. Stories	Type Const. / Occ. Group
Lot No. / Block / Tract		Occ. Load / No. Dw. Units / Plng./Engr. File No.	
Owner: SOUTHERN CALIF EDISON		No. Bedrooms / Lot Size / APN	
Mailing Address: 8996 ETIWANDA AVE		Approved Plan Div. / Approved Eng. Div. / Verified Health Dept. Approval	
City: ETIWANDA / Zip / Tel: 909-394-8[illegible]		Special Conditions:	
Contractor: CPET			
Address: 1718 N SHIRK			
City: VISALIA / Zip: 93291 / Tel: 800 359-2747		VALUATION: $ 75,000	
State Lic. & Classif.: 719892 - A-HAZ / City Lic. No.: NEW			
Arch., Engr., Designer			
Address / Tel.			
City / Zip / State Lic. No.			
Proposed Construction: NEW CANOPY - FOUNDATION; NEW AST - FUELING STATION			
Sq. Ft. Size / Haz. Mat. Doc. Req'd. Prior to Occ. ☐ Yes ☐ No			
New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐			

FEES		
PLAN CHECK	99-5523	
PERMIT		455 50
DRAINAGE		
TRANSPORTATION		
BEAUTIFICATION		
PARK		
OTHER		
Processed By / School Fee Pmt. Verified / TOTAL		455 50

Permit No.: 99-7924 / Validation: [signature] / Date: 11-5-99

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A HAZ+C10 Lic. No. 719892

Date 11-10-99 Contractor CPET

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

☐ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

☐ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Guard Eagle Policy Number MWC282800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the 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 workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 11-10-99 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address None

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent: [signature] Date 11-10-99

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

			INSPECTION NOTES
FOUNDATION: (gr. Certif Compl. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	12/27/99	[illegible]	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	12/29/99	[illegible]	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings. House Numbers, Weather Stripping, Pl./Engr./Fire Clear.	2/17/2000	[illegible]	
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

M-14-15

BUILDING AND SAFETY DIVISION

City of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 8996 Etiwanda

Lot. No / Block / Tract:

Owner: SOUTHERN CALIF EDISON

Mailing Address: 8996 ETIWANDA AVE

City: ETIWANDA | Zip: 91739 | Tel: 714 899-7291

Contractor: ACCESS CONTROLS

Address: 177 W. MAGNOLIA BLVD

City: BURBANK | Zip: 91502 | Tel: 953-5925

State Lic & (CSB): 286085 | City Lic No: 11080

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No _____ Company _____

○ Copy is filed with the city ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the 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 Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city or county to enter the above-mentioned property for inspection purposes.

Signature _____ Date 11/20/90

Mailing Address 177 W Magnolia BL

City, State, Zip Burbank 91502

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size ...)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
1	Motors (HP no 1/2 hrs power For Gate)	3 00
	Other (Specify ...)	
	Sq. Ft. Area New Residential Bldg. ... @ ...	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee ... / Issuance Fee	15 00
	TOTAL ELECTRICAL FEES	18 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Space/Wall/Sub. Heaters		Air Handling & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee ...		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets ...)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee ...		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 18 00

Processed by: DB | Spec. Cond.:

Permit No. 90-9963 | Validation | Date 11/20/90

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECO		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

FIRST RECHECK LETTER
SENT 8 | 6 91

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	8996 Etiwanda Ave.		
Lot No.	Block	Tract	
Owner	So. Calif. Edison Co.		
Mailing Address	501 S. Monterey		
City	Alhambra	Zip 91802	Tel. 818-308-6417
Contractor			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	Interior Office Remodel		
Sq. Ft. Size	No. Stories 1	No. Dw. Units	

New ☐ Add. ☐ Alter. ☒ Repair ☐ Demolition ☐

No. Stories 1	Type Const. V		Occ. Group B-2
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Area		APN
Approved Plan. Div. D 8/6/84	Approved Eng. Div.		Approved Fire Dist.
Special Conditions $369.00 84-5706 P.C. Expired 2/20/85			

VALUATION $ 20,000.00

FEES			
	PLAN CHECK		
	PERMIT	492	—
	DRAINAGE		
	SYSTEMS		
	BEAUTIF.		
	PARK		
	OTHER		
Processed By	School Fee Pmt. Verified	TOTAL	
Permit No.	Validation	Date	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the 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 Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

3667 0003

8996—

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address 8996 ETIWANDA AVE

Lot No. — Block 8996 — Tract

Owner SOUTHERN CALIFORNIA EDISON

Mailing Address SAME

City ETIWANDA — Zip — Tel. 987 2561

Contractor NOVA POWER INC.

Address 1231 E DYER RD

City SANTA ANA — Zip 92705 — Tel. 714 641 4727

State Lic. & Classif. 443509 — Pending

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WCA 142550 B 1-1-90 (EXP.) Company SA PECO

☒ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the 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 Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 10-26-89

Mailing Address 1231 E DYER RD

City, State, Zip SANTA ANA CAL 92705

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Service (Size 200 AMP)	10 00
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	17 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & incld. 100,000 BTU		Boiler/Compr. to & Incld. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Incld. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Incld. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sewer; Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 17 00

Processed by FP — Spec. Cond.

Permit No. 89-14692 — Validation — Date 10-26-89

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

8996 1161

INSPECTION RECO			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING			
NEW SERVICE	11-21-89	CB	
FIXTURES			
FINAL ELEC. INSP.	11-21-89	CB	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.	11/22/89	[illegible]	12/13/89 [illegible]
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM

[illegible]

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- BUILDING
- ELECTRICAL
- MECHANICAL
- PLUMBING
- GRADING
- NEW SFD
- ADDN APT
- ALTER DUPLEX
- REPAIR COMM

PERMIT NO: 79-2160

JOB ADDRESS: 8996 E. Jurupa	SUBDIVISION: Etiwanda Town Site		LOT
OWNER: So. Cal. Edison	ADDRESS		TELEPHONE
CONTRACTOR: O/B	ADDRESS		TELEPHONE
CITY BUSINESS LIC #	STATE LIC #	ARCH. BLD DESIGNER	TELEPHONE
ENGINEER	TELEPHONE	LENDER	APN

FLOOR AREA	VALUATION	GROUP	MAX OCC	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED	

PROPOSED WORK/REMARKS: Grading 1350 C.Y. Cut
1350 C.Y. Fill

3667 0001

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL	9-5-79	JH
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL		
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

OK Final
1/3/80 AA Rl

3667 0002

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 8998 ETIWANDA

PERMIT NO. : PMT2007-00076

APN NUMBER : 022928375-0000

ISSUED : January 03, 2007

PROJECT DESCRIPTION : (1) 400 AMP TEMP POWER METER

Owner
SOUTHERN CALIFORNIA EDISON COMPANY
14799 CHESTNUT ST
WESTMINSTER, CA 92683-5240

Telephone :

Contractor
IRWIN INDUSTRIES
1580 W. CARSON ST.
LONG BEACH, CA 90810

Telephone : 310-233-3012

License No.
CON429593

Description	Const. Type	Units

Work Covered
BLD : ELE : Y
MEC : PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty
Service/Sub Panels Each	1

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	BS3	1079	$28.66
ELE Inspection Fee	BS3	1079	$28.66
Permit Fee:			**$57.32**

PERMIT EXPIRED

NO WORK DONE IN LAST 180 DAYS

Permit Holder Notified __/__/__

Sign _____ Date __/__/__

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1/3/07

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION
city of rancho cucamonga
10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

Building Address	8998 ETIWANDA AVE.		
Lot No.	Block	Tract	
Owner	SOUTHERN CALIFORNIA EDISON		
Mailing Address	2244 WALNUT GROVE AVE		
City	ROSEMEAD	Zip	Tel. (626) 302-2153
Contractor	CH2M HILL CONSTRUCTORS		
Address	3 HUTTON CENTRE, #200		
City	SANTA ANA	Zip 92707	Tel. (714) 429-2020
State Lic. & Classif.	733633		City Lic. No. EXT. 2505 22610
Arch. (Engr.) Designer	RANDY BICK		36063
Address	300 N. LONE HILL AVE.		Tel. (909) 252-1965
City	SAN DIMAS	Zip 91773	State Lic. No.
Proposed Construction	DEMOLITION OF 4 ABOVEGROUND STORAGE TANKS PREVIOUSLY CONTAINING FUEL OIL		
Sq. Ft. Size		Haz. Mat. Doc. Req'd. Prior to Occ.	☐ Yes ☐ No

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☒

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Plng./Engr. File No.	
No. Bedrooms	Lot Size		APN
Approved Plan Ck.	Approved Eng. Div. 2/7/00		Verified Health Dept. Approval

Special Conditions: DEMOLITION OF 4 ABOVEGROUND STORAGE TANKS

VALUATION: $

FEES			
	PLAN CHECK		
	PERMIT	35.00	
	DRAINAGE		
	TRANSPORTATION		
	BEAUTIFICATION		
	PARK	Cash	
	OTHER		2500
Processed By	School Fee Pmt. Verified	TOTAL	

Permit No. 00-0693 Validation Date 2-9-00

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A, B, HAZ No. 733633

Date 3/3/2000 Contractor CH2M HILL CONSTRUCTORS

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property: or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier WC8378566-05 Policy Number ZURICH AMERICAN

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the 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 workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Mark T. Fath Date 2/7/00

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.			
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.			
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

INSPECTION NOTES

4/19/00
Permit cancelled per Contractor, Change of Contractor.
PG.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	8998 ETIWANDA AVE.		
Lot No.	Block	Tract	
Owner	SOUTHERN CALIFORNIA EDISON		
Mailing Address	2244 WALNUT GROVE AVE.		
City	ROSEMEAD	Zip 91770	Tel. (626) 302-2153
Contractor	CH2M HILL CONSTRUCTORS		
Address	3 HUTTON CENTRE DR.		
City	SANTA ANA	Zip 92707	Tel. (714) 429-2020 EXT. 2505
State Lic. & Classif.	733633/A,B, HAZ, HIC	City Lic. No.	3600163
Arch., Engr., Designer	RANDY BICK (EDISON O+M SERVICES)		
Address	300 N. LONE HILL AVE.		Tel. (909) 394-8798
City	SAN DIMAS	Zip 91773	State Lic. No. 26110
Proposed Construction	GRADING OF PROPERTY AFTER ABOVEGROUND STORAGE TANK REMOVAL - 53,400 C.Y. CUT/53,400 FILL		
Sq. Ft. Size		Haz. Mat. Doc. Req'd. Prior to Occ.	☐ Yes ☐ No
New ☐	Add. ☐	Alter. ☐	Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Plng./Engr. File No.	
No. Bedrooms	Lot Size Size		APN
Approved Plan Div. 2/9/00	Approved Eng. Div. 3-27-00		Verified Health Dept. Approval
Special Conditions: GRADING ONLY			
VALUATION: $			

FEES		
PLAN CHECK	#00-441	
PERMIT		585 00
DRAINAGE		
TRANSPORTATION		
BEAUTIFICATION		
PARK		
OTHER		
Processed By	School Fee Pmt. Verified	TOTAL 585 00

Permit No.	Validation	Date
00-1784	TMB	3-27-00

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A,B,HAZ,HIC Lic. No. 733633

Date 3/31/01 Contractor CH2M HILL CONSTRUCTORS

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

☐ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier ZURICH AMERICAN Policy Number WC837856d6-05

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the 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 workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Mark T. Yator Date 1/26/00

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.			I[redacted]ECTION NOTES
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph:			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.			4/19/10 Permit Cancelled per Contractor -- Change of Contractor on job. 80% issued KF
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl , Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	8998 ETIWANDA AVE		
Lot No.	Block	Tract	
Owner	SOUTHERN CAL EDISON		
Mailing Address	2244 WALNUT GROVE AVE		
City	ROSEMEAD	Zip 91770	Tel. 626 302 253
Contractor	SWANSON Environmental SERVICES INC		
Address	2249 LOCKPORT RD		
City	NIAGARA FALLS NY	Zip 14305	Tel. 716 284 0431
State Lic. & Classif.	A HAZ 590741	City Lic. No.	NEW
Arch., Engr., Designer	BRANDY BLACK		
Address	300 N. LONE HILL AVE		Tel. (909) 394-6788
City	SAN DIMAS	Zip 91773	State Lic. No. 26410
Proposed Construction	DEMOLITION OF 4 ABOVE GROUND TANKS PREVIOUSLY CONTAINING FUEL OIL		
Sq. Ft. Size	Haz. Mat. Doc. Req'd. Prior to Occ. ☐ Yes ☐ No		

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☑

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Plng./Engr. File No.	
No. Bedrooms	Lot Size Size		APN
Approved Plan Div.	Approved Eng. Div. 4/19/00		Verified Health Dept. Approval
Special Conditions:			

VALUATION: $ 1,000.

FEES		
	PLAN CHECK	
	PERMIT	35 00
	DRAINAGE	
	TRANSPORTATION	
	BEAUTIFICATION	
	PARK	
	OTHER	
Processed By	School Fee Pmt. Verified	TOTAL 35 00

Permit No. 00-2900 Validation Date 4-19-00

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A HAZ Lic. No. 590741

Date 4/19/00 Contractor SWANSON

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

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○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Employers Ins of Wausau Policy Number 0400205027/

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the 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 workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 4/19/00 Applicant: Swanson Env Services

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 4/19/00

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.			INSPECTION NOTES
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access., Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.	10/7/12		
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Sll, Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	8998 ETIWANDA AVE		
Lot No.	Block	Tract	
Owner	SOUTHERN CALIFORNIA EDISON		
Mailing Address	2244 WALNUT GROVE AVE		
City	ROSEMEAD	Zip 91770	Tel. (626) 302-2153
Contractor	SVENSON ENVIRONMENTAL SERVICES		
Address	2749 COCKPIT ROAD		
City	NIAGARA FALLS, NY	Zip 14305	Tel. 716 284-0431
State Lic. & Classif.	590741 A HAZ	City Lic. No.	
Arch., Engr., Designer	RANDY BECK		
Address	300 N. LONEHILL AVE		Tel. 909 394-6778
City	SAN DIMAS	Zip	State Lic. No. 26110
Proposed Construction	GRADING OF PROPERTY AFTER ABOVE GROUND STORAGE TANK REMOVAL		
	53400 CUT	53400 FILL	
Sq. Ft. Size	Haz. Mat. Doc. Req'd. Prior to Occ.	☐ Yes ☐ No	

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Plng./Engr. File No.	
No. Bedrooms	Lot Size Size		APN
Approved Plan Div. 4/19/00	Approved Eng. Div. 4/19/00 V. Chilcott		Verified Health Dept. Approval
Special Conditions:	GRADING ONLY		
VALUATION: $	1,000.		

FEES		
	PLAN CHECK	
	PERMIT	586 00
	DRAINAGE	
	TRANSPORTATION	
	BEAUTIFICATION	
	PARK	
	OTHER	
Processed By	School Fee Rmt. Verified	TOTAL 586 00

Permit No. 00-2901 Validation Date 4-19-00

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A HAZ Lic. No. 590741

Date 4/18/00 Contractor Svenson

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Employers Ins of Wausau Policy Number 0910020502711

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

✓ I certify that in the 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 workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 4/18/00 Applicant: Svenson

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent John B. Dewitt Date 4/19/00

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.			
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access., Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.	10-7-22		
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

I[redacted]ECTION NOTES

ROUX

September 6, 2022

Ms. Carmen Santos
PCB Coordinator
United States Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105-3920

Re: Characterization Sampling Plan
Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California

Dear Ms. Santos:

On behalf of BTC III Etiwanda Commerce Center LP (Owner), Roux Associates, Inc. (Roux) is submitting this Characterization Sampling Plan (Sampling Plan) to the United States Environmental Protection Agency (USEPA) Region 9 for the delineation of polychlorinated biphenyl (PCB)-impacted materials located at 8996 Etiwanda Avenue, Rancho Cucamonga, California (Site). Preliminary concrete samples collected in the vicinity of former transformers in the former generating Units 1 and 2 indicate the presence of PCBs at concentrations greater than 50 milligrams per kilogram (mg/kg). Remediation of PCBs with as-found concentrations equal to or greater than 50 parts per million (ppm; 50 mg/kg) is regulated under the Toxic Substances Control Act (TSCA); as such, the proposed additional characterization sampling activities will be conducted in general accordance with TSCA protocols as described below.

The previous concrete sampling consisted of the collection of composite samples in the vicinity of the Unit 1 and 2 transformers. The area represented by each of the preliminary concrete composite samples is shown in Figure 1. The analytical results for the previous concrete sampling are provided in Table 1.

Based on preliminary communications between the USEPA and Roux, it is understood that the expected remediation of the cleanup area will be required to meet the screening levels establish by the California Department of Toxic Substances Control (DTSC). The DTSC's Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 screening level for Total PCBs in commercial/industrial soil is 0.58 mg/kg, which is more stringent than the USEPA's cleanup level of 1 mg/kg. The results of the initial characterization sampling indicate that not all boundaries of the transformer areas have been delineated to the DTSC's HHRA Note 3 screening level of 0.58 mg/kg.

As shown in Figure 1, additional characterization samples are proposed to be collected in a grid-like pattern to delineate the extent of PCB impacts that exceed the cleanup level and will require remediation. Based on the results of the step-out sampling, additional step-out sampling may be required to fully delineate the extent of PCB impacts and will be collected following the grid pattern shown in Figure 1. Sampling methods, analytical methods, and decontamination procedures to be implemented as part of this additional characterization sampling are described in the sections below.

Sampling Methodology

The additional characterization sampling locations are shown in Figure 1. Consistent with 40 CFR 761.265 and 40 CFR 761.283, samples will be collected on a grid interval of no greater than 5 feet (approximately 1.5 meters), as shown in Figure 1. If structures/obstructions (i.e., interior walls) restrict

5150 East Pacific Coast Highway, Suite 450 ■ Long Beach, California 90804 ■ +1.310.879.4900 ■ www.rouxinc.com
California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

access to a perimeter sampling location, a sample will be collected where the obstruction is encountered.

As recommended, certain previously sampled areas with PCB results less than 50 mg/kg will be resampled for waste characterization purposes as shown on Figure 1. Areas that were found to contain PCB concentrations greater than 50 mg/kg as part of the preliminary sampling will not be resampled as part of this effort and will be designated to be disposed at a TSCA disposal facility.

Discrete samples will be collected from each of the sampling locations using a drill bit with a diameter greater than or equal to 2 centimeters (cm) and less than or equal to 3 cm (approximately 1.2 inches). The maximum sample depth shall be no greater than 7.5 cm (approximately 3 inches). Based on communications with the USEPA, it is understood that it would be preferable to limit the sample depth to the upper 0.5 inches. In order to collect sufficient material for laboratory analysis (minimum 30 grams), up to three collocated cores may be advanced at each sample location, and the sample material collected will be combined in the field and regarded as a "discrete" sample.

Samples will be submitted to a laboratory certified under the California laboratory certification program for the analysis of PCBs by Method 8082A/3540C (Soxhlet extraction). Results will be reported on a dry weight basis.

Decontamination

Reusable sampling materials and equipment will be decontaminated between each sampling location. Equipment will be decontaminated using a non-phosphate detergent (e.g., Alconox) wash and water rinses. As required by 40 CFR 761.79(h), the effectiveness of the decontamination procedures will be evaluated by collecting wipe samples of the decontaminated equipment and submitted to the laboratory. The wipe sample area will be approximately 100 cm^2 unless the available surface area is less than 100 cm^2, in which case the wipe sample will cover the available area.

Pending USEPA concurrence with this Sampling Plan and coordination with the ongoing demolition activities at the Site, Roux plans to perform the additional characterization sampling in October 2022. Following the complete delineation of the PCB impacted concrete in the former Unit 1 and 2 transformer areas, remediation/cleanup of the impacted areas will be conducted under a Self-Implementing PCB Cleanup and Disposal Notification Plan (SICP), which will be submitted to the USEPA under separate cover.

Roux is available to answer any questions that the USEPA may have regarding this Sampling Plan. Please contact Matthew Nelson at 818-726-4265 or mnelson@rouxinc.com or Mauricio Escobar at 310-879-4920 or mescobar@rouxinc.com.

Sincerely,

ROUX ASSOCIATES, INC.

Mark Nishibayashi
Project Geologist

Matthew Nelson, P.E.
Senior Engineer

Martin Hamper, P.G.
Director/Geologist

Mauricio H. Escobar, P.G.
Principal Geologist

Enclosures

Table 1 – Summary of Polychlorinated Biphenyls (PCBs) in Concrete
Figure 1 – Proposed Additional Concrete Sample Locations, Former Transformers Units 1 & 2

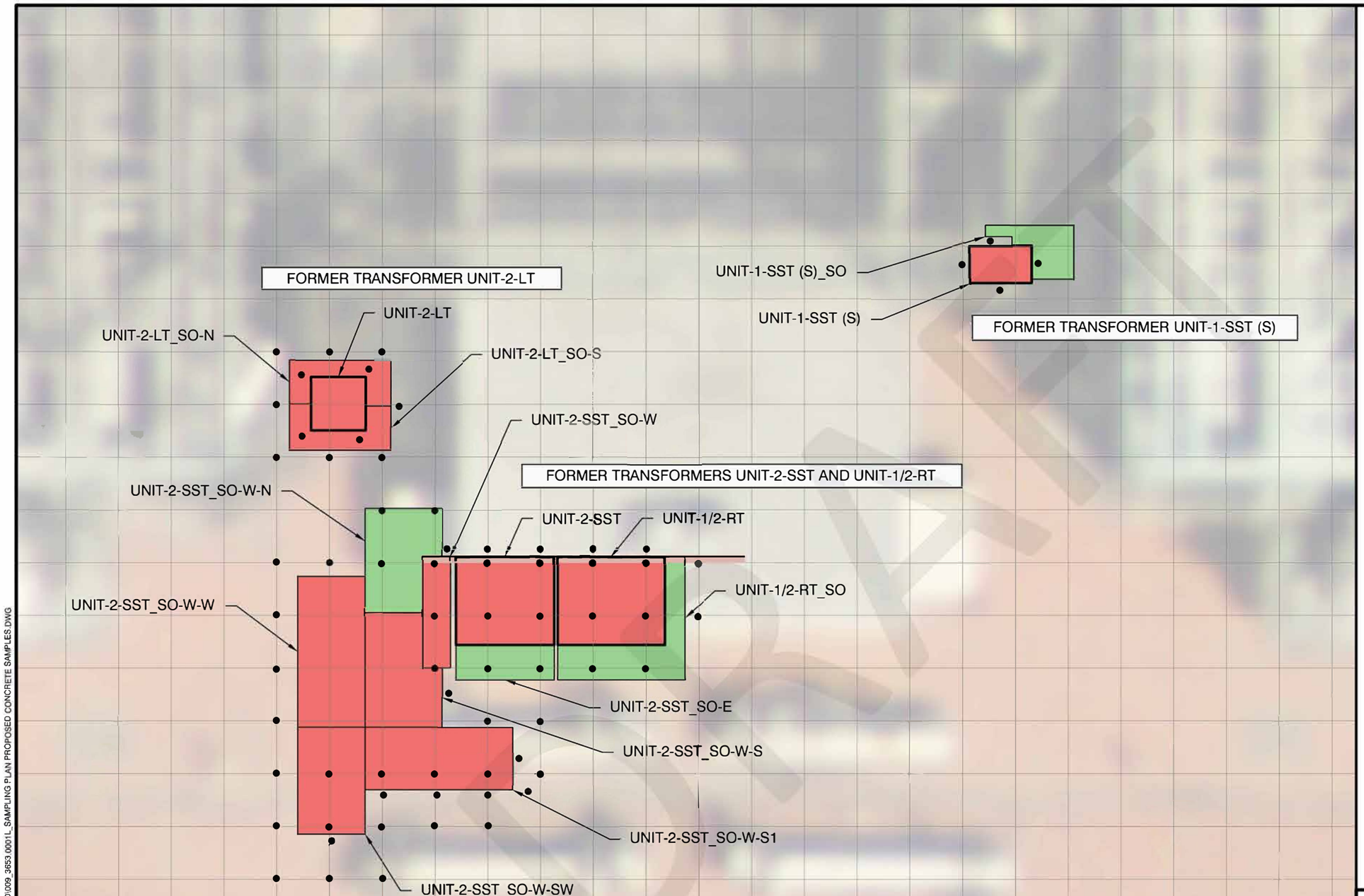
DRAFT

Table 1
Summary of Polychlorinated Biphenyls (PCBs) in Concrete
8996 Etiwanda Avenue, Rancho Cucamonga, CA

Sample ID	Date Sampled	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	Total PCBs
Analytical Method		**USEPA 8082**									
Unit		**mg/kg**									
DTSC HERO HHRA Note 3 Commercial/Industrial Soil SL		17	0.53	0.49	0.58	0.58	0.59	0.60	NS	NS	0.58
USEPA TSCA Cleanup Level		No cleanup level established									1.0
Unit-1/2-RT	11/30/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	4.6	<0.050	<0.050	4.6
Unit-1/2-RT_SO	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.44	<0.050	<0.050	0.44
Unit-1-SST(S)	11/12/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	110	<0.050	<0.050	110
Unit-1-SST(S)_SO	1/19/2022	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	0.26	<0.049	<0.049	0.26
Unit-2-LT	11/30/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	98	<0.050	<0.050	98
Unit-2-LT_SO-N	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	1.3	<0.050	<0.050	1.3
Unit-2-LT_SO-S	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	1.3	<0.050	<0.050	1.3
Unit-2-SST	11/30/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	46	<0.050	<0.050	46
Unit-2-SST_SO-E	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.35	<0.050	<0.050	0.35
Unit-2-SST_SO-W	1/19/2022	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	2.0	<0.049	<0.049	2.0
Unit-2-SST_SO-W-N	2/1/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.58	<0.050	<0.050	0.58
Unit-2-SST_SO-W-S	2/1/2022	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	420	<5.0	<5.0	420
Unit-2-SST_SO-W-S1	2/15/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	31	<0.050	<0.050	31
Unit-2-SST_SO-W-SW	2/15/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	24	<0.050	<0.050	24
Unit-2-SST_SO-W-W	2/15/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	110	<0.050	<0.050	110

Note:
USEPA TSCA = United States Environmental Protection Agency Toxic Substances Control Act
Highlight indicates concentration exceeding cleanup level
mg/kg = milligrams per kilogram

DRAFT



LEGEND

- PROPOSED CONCRETE CORING LOCATION
- TOTAL PCBS > 1 MG/KG
- TOTAL PCBS < 1 MG/KG

NOTES

1. ALL CORING LOCATIONS ARE APPROXIMATE
2. GRID SPACING IS 5 FEET BY 5 FEET

N

10' 0' 10'

Title: **PROPOSED ADDITIONAL CONCRETE SAMPLE LOCATIONS, FORMER TRANSFORMERS UNITS 1 & 2**

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:
BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: D.Z.	Date: 1 JUNE 2022	FIGURE
Prepared by: D.Z.	Scale: 1" = 10'	1
Project Mgr M.J.N.	Project: 3653.0001L000	
File: 009_3653.0001L_ROPOSED CONCRETE SAMPLES.DWG		

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\009_3653.0001L_SAMPLING PLAN PROPOSED CONCRETE SAMPLES.DWG

Conceptual Site Characterization Plan Discussion Summary

Meeting Date: 17 March 2023

Attendees:

- Carmen Santos, EPA
- Margaret Alkon, EPA
- Dina Kourda, DTSC
- Cy Jeng, DTSC
- Mark Foley, Owner's Representative
- Jess Hinchliffe, Owner's Representative
- Pam Andes, Allen Matkins, Owner's Counsel
- Deepa Gandhi, EKI, Owner's Consultant

Conceptual Sampling Plan Discussion

Call agenda:

- Review conceptual characterization plan previously distributed to DTSC and EPA.
- Discuss anticipated risk-based amendment to SICP
  - EPA clarification question: This is an amendment to the portion of the SICP that was already approved (Phase 1), not the risk-based amendment required by EPA for Phase 3? *Owner's Representative: Correct.*

Discussion of conceptual sampling plan

- Rationale for proposing ISM: Large areas remaining to be characterized, and interest in greener cleanup procedures (both investigation and cleanup).
- EPA and DTSC have prior experience/familiarity with ISM.
- Review of Data Quality Objectives (DQOs) as presented in conceptual sampling plan
- Review and discussion of proposed decision units (DUs)
  - EPA concurs with approach of subdividing DUs if we discover impacts in these areas.
  - DTSC question about soil characterization. Owner's representative explained that soil characterization will occur after ground cover, including concrete under discussion today, is removed and soil is accessible, except for discrete soil hotspot removal. A risk-based amendment to the previously approved SICP will be submitted following soil characterization.
- Review and discussion of proposed sampling approach
  - EPA concurs conceptually with systematic random sampling approach. Would like to see a figure or figures showing sampling grid to scale.
  - VSP software will be used to generate sampling grid.
  - Discussion about how to approach stained areas, if encountered. Several options discussed:
    - Bias increment sample locations to areas of stains
    - Consider treating stained areas as separate DUs
    - Collect a discrete sample from any observed stained areas
    - Use triplicate sampling to address spatial variability within the grid
  - Project team will evaluate options for addressing stained areas and include a proposed approach and rationale in characterization plan submittal.
  - Discussion of triplicate samples:

        - Both DTSC and EPA indicated that triplicate sampling will be necessary for field quality assurance. Allows evaluation of data reproducibility and spatial variability.
        - DTSC: ITRC guidance allows use of 95% UCL of triplicate sample results to evaluate results.
        - EPA: Triplicates will be needed in some DUs, but not all. Preliminarily recommended DU-3 and DU-7, but subject to further discussion/evaluation.
        - Triplicate sample locations should be shown on figures, using different symbols for each replicate sample.
        - EPA would like to see triplicate of lab sub-sampling also.
- Review and discussion of proposed data evaluation
    - EPA noted that management of all material must be done in consultation with both DTSC and EPA.
    - Landfill acceptance: EPA reminder that the permit for the landfill must allow for acceptance of waste at the as-found concentration of PCBs. *EKI: We will use the ISM sample results to support the conversation with the landfill.*
- Discussion of EPA's preliminary comments based on review of conceptual characterization plan previously distributed
    - Would like to see figures with sample grids, understanding that grid size will vary based on size of DU and that proposed number of increments is 30.
    - Field QC should consist of triplicate samples as previously discussed.
    - Laboratory QC (triplicate samples) will also be required.
    - Need additional clarity on statistical analysis to be used to evaluate ISM data.
    - Question about type of material (concrete, asphalt, etc.) within each DU. *Owner's Representative: All concrete. If we encounter different materials we will treat each separately.*
    - Need additional clarification on field sampling procedures, such as how the increments will be combined, containers that will be used. *Owner's Representative/EKI: Increments will be weighed and combined in the field likely placed into bags; will include that in characterization plan submittal.*

Next steps:

- EPA concurs conceptually with the proposed ISM approach, but will need further details as discussed on this call and in accordance with TSCA regulations, ITRC guidance, EPA 2019 ISM guidance, and FAST Toolbox.
- CY will convey information presented to the DTSC PM.
- Once a detailed work plan or outline is provided, DTSC will review and provide comments to EPA such that DTSC and EPA comments can be combined.
- Owner to prepare a detailed outline of the characterization plan or draft work plan as an interim submittal for EPA and DTSC review and comment, followed by another technical discussion prior to final document submittal.

Conceptual Site Characterization Plan
DRAFT – For discussion purposes

Introduction:

BTC III Etiwanda Commerce Center LP ("Owner") prepared this conceptual site characterization plan for concrete ground surfaces at former Generating Units 1 and 2 ("Site"; Figure 1) of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California.

PCB impacts to concrete ground surfaces in the vicinity of former oil-containing equipment at the Site have been delineated using discrete samples collected on a 5-foot grid as described in the *Self-Implementing PCB Cleanup and Disposal Notification Plan* ("SICP") for the Site (Roux Associates, Inc., revised November 28, 2022). Step-out samples were collected and analyzed until concentrations in concrete and/or asphalt samples were less than the DTSC HERO HHRA Note Number 3 commercial/industrial soil screening level ("DTSC SL") of 0.58 milligrams per kilogram (mg/kg) for total PCBs.

In order to assess whether remaining concrete and asphalt at the Site is suitable to remain onsite, EPA has requested a characterization plan for those areas of concrete and asphalt outside of the area already delineated.

Due to the size of the remaining areas to be characterized (approximately 28,500 square feet) and prioritization of greener cleanup procedures, a sampling approach based on incremental sampling methodology (ISM) concepts is proposed as a site-specific risk-based alternative under 40 CFR 761.61(c) for screening of remaining concrete ground surfaces for PCBs at the Site, as discussed in PCB Facility Approval Streamlining Toolbox ("FAST") and EPA's August 8, 2019 document entitled ISM at PCB Cleanup Sites.

General Description:

As described in the SICP, a stepwise investigation process based on historical operations and land uses was started in 1995 under the oversight of DTSC and led to the development of the SICP for the Site. Concrete ground surfaces outside of previously-delineated areas at the Site will be characterized by establishing Decision Units (DUs) based on physical Site features and data quality objectives ("DQOs"). DQOs for this effort are:

1. Assess remaining areas known to be the location of oil-containing equipment and process areas;
2. Screen remaining areas with no known environmental features of note; and
3. Support an Amendment to the SICP under 40 CFR 761.61(c), as requested in EPA's December 15, 2022 Conditional Approval, such that ground surfaces at the Site previously characterized and via items (1) and (2) with sample results of total PCBs ≤25 mg/kg can be left in-place on-Site under a new protective cap after crushing. This potential cleanup and disposal approach has been revised from the approach documented in the SICP and EPA's Conditional Approval Item B.3.b.

A minimum of 30 individual samples will be collected in a systematic random matter to represent each DU, using sampling methods in general accordance with EPA Region 1 Standard Operating Procedures for Sampling Porous Surfaces for PCBs. The 30 samples will be combined to prepare the bulk sample for processing at the laboratory. After processing, the bulk sample will be subsampled by the laboratory, and the subsample(s) will be extracted and analyzed for PCBs. Details of the field sampling and laboratory processing steps are provided below.

Proposed ISM Procedure:

1. Decision Units ("DUs"):
    a. The ISM characterization program is designed to confirm the absence of PCB impacts to concrete at the Site outside of those areas already characterized.
    b. DUs were established based on the location of known former oil-containing equipment, process areas, rooms and/or other building features.
    c. Proposed Decision Units ("DUs") are presented on Figure 1, and summarized below:

Table 1: Proposed Decision Units

Decision Unit ID	Approximate Area	Description and Rationale
DU-1	1,185 SF	Northwest corner of the building slab. Previously contained: lube oil transfer pump; trench and lube oil unloading tank; dirty oil sump based on historical information.
DU-2	2,990 SF	Southwest portion of the building slab. Previously contained hydrogen seal oil supply unit; main generator exciter sets; auxiliary generator exciter set, and motors based on historical information.
DU-3	6,515 SF	Area west of the delineated area extending to DUs 1 and 2. No oil-containing equipment was observed in this area based on historical information.
DU-4	3,400 SF	Area to the north of former transformers Unit-2-SST and Unit-1/2-RT and the east of the delineated area. Previously contained motor and generator based on historical information. This area surrounds former transformer Unit-1-SST(s) but does not include it as this transformer pad was previously characterized and delineated, and will be disposed of offsite under Phase 1 of the approved SICP.
DU-5	75 SF	Pad for former transformer Unit-1-SST located to the east of former transformer Unit-1/2-RT.
DU-6	715 SF	10-foot buffer area surrounding the pad for former transformer Unit-1-SST.
DU-7	8,820 SF	Area east of the delineated area extending to DUs 8 and 9. No oil-containing equipment was observed in this area based on historical information.
DU-8	2,665 SF	Northeast corner of the building slab. Previously contained compressors based on historical information.
DU-9	2,080 SF	Southeast corner of the building slab. Previously contained motors and generators based on historical information.

2. Individual samples ("increments"):
    a. The minimum number of increments to be collected from each DU is 30.
    b. Increment sample locations will be determined through systematic random sampling. Each DU will be divided into a grid, a random sampling location will be identified within the first grid cell, and the remaining increments will be obtained from adjacent grid cells at the same relative location. Adjustments maybe be made to the increment sampling locations based on field conditions and the geometry of the DU.
    c. Samples will be collected using a rotary hammer drill with a diameter greater than or equal to 2 cm and less than or equal to 3 cm to generate a fine powder. Maximum sample depth will be approximately 0.5 inches. Multiple closely spaced holes may be required to generate sufficient sample mass. Each increment will be approximately 30-50 grams as weighed in the field.
    d. All the increments will be combined to prepare the field bulk sample.
    e. Sampling tool decontamination is not required between increments. Sampling tools will be decontaminated between DUs.

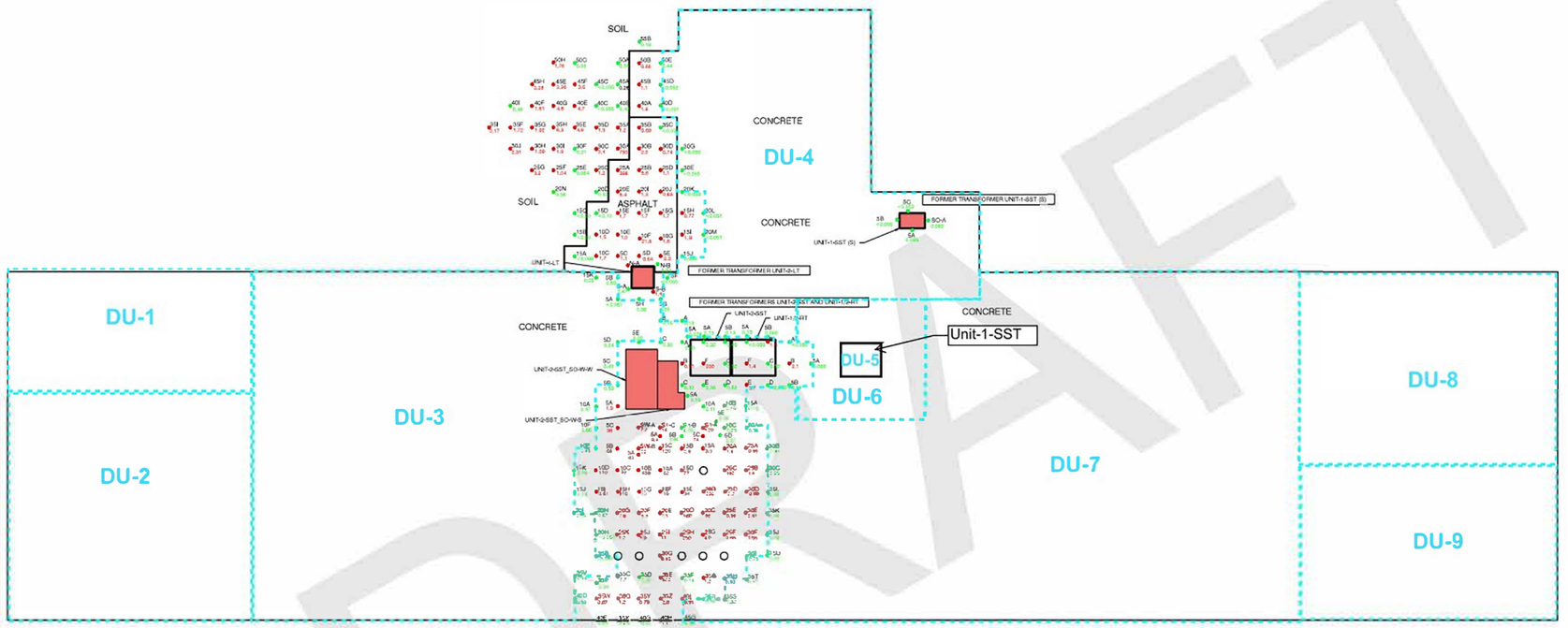
3. "Field bulk sample" or "ISM sample":
    a. The field bulk sample for each DU is prepared by combining a minimum of 30 increments collected in a systematic random matter from each DU, as described in item 2.b, above.
    b. The minimum total mass of the field bulk sample is 1 kilogram (kg).
    c. The mass of the increments to be collected will average about 1,200 grams based on item 2, above.

4. Laboratory processing of bulk samples:
    a. The laboratory will be instructed to spread the ground sample in a thin layer (slab cake) and prepare a representative 30-gram subsample for testing by collecting 30 x 1-gram increments from the slab cake in a systematic random manner and combining each of the small increments. A flat bottom sampling tool with sides and a minimum 16mm width should be used by the laboratory to collect the subsamples.
    b. A 30-gram subsample will also be collected to determine percent moisture as PCB analytical results must be reported as dry weight. Percent moisture will be determined following EPA's extraction method 3540C procedures.
    c. The 30-gram subsample will be extracted following EPA's extraction method 3540C (Soxhlet) and analyzed for PCBs following EPA method 8082A. All laboratory analytical results will be reported as dry weight.

5. Evaluation of analytical results
    a. All laboratory packages will be reviewed for completeness and conformance with project goals.
    b. Concrete from DUs with total PCB concentrations equal to or less than 25 mg/kg will remain onsite.
        i. Total PCBs ≤0.58 mg/kg: Concrete in these DUs will be crushed for use during the redevelopment of the subject property in consultation with DTSC.
        ii. Total PCBs >0.58 mg/kg and ≤25 mg/kg: Concrete in these DUs will be segregated, crushed, and placed under a new concrete or asphalt cap at least 6 inches thick. New building slab or pavement installed as part of the development may serve as the proposed protective cap.
    c. Concrete from DUs with total PCB concentrations greater than 25 mg/kg
        i. but less than 50 mg/kg will be disposed of in a permitted nonhazardous landfill; or
        ii. will be disposed of in a hazardous waste landfill permitted by USEPA or an authorized State, or in an approved PCB disposal facility.
    d. In the event that ISM sample results exceed 25 mg/kg, Owner may elect to subdivide existing DUs into smaller areas and resample in accordance with the above-listed procedures in order to limit the volume of material to be disposed of offsite.

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DRAFT - FOR DISCUSSION ONLY



LEGEND

- CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs > 0.58 MG/KG)
- CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs ≤ 0.58 MG/KG)
- SAMPLE LOCATION INACCESSIBLE
- COMPOSITE SAMPLE RESULTS EXCEEDED 50 MG/KG; NO ADDITIONAL CHARACTERIZATION SAMPLING CONDUCTED
- FORMER TRANSFORMER PAD

NOTES

1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.

N

20' 0' 20'

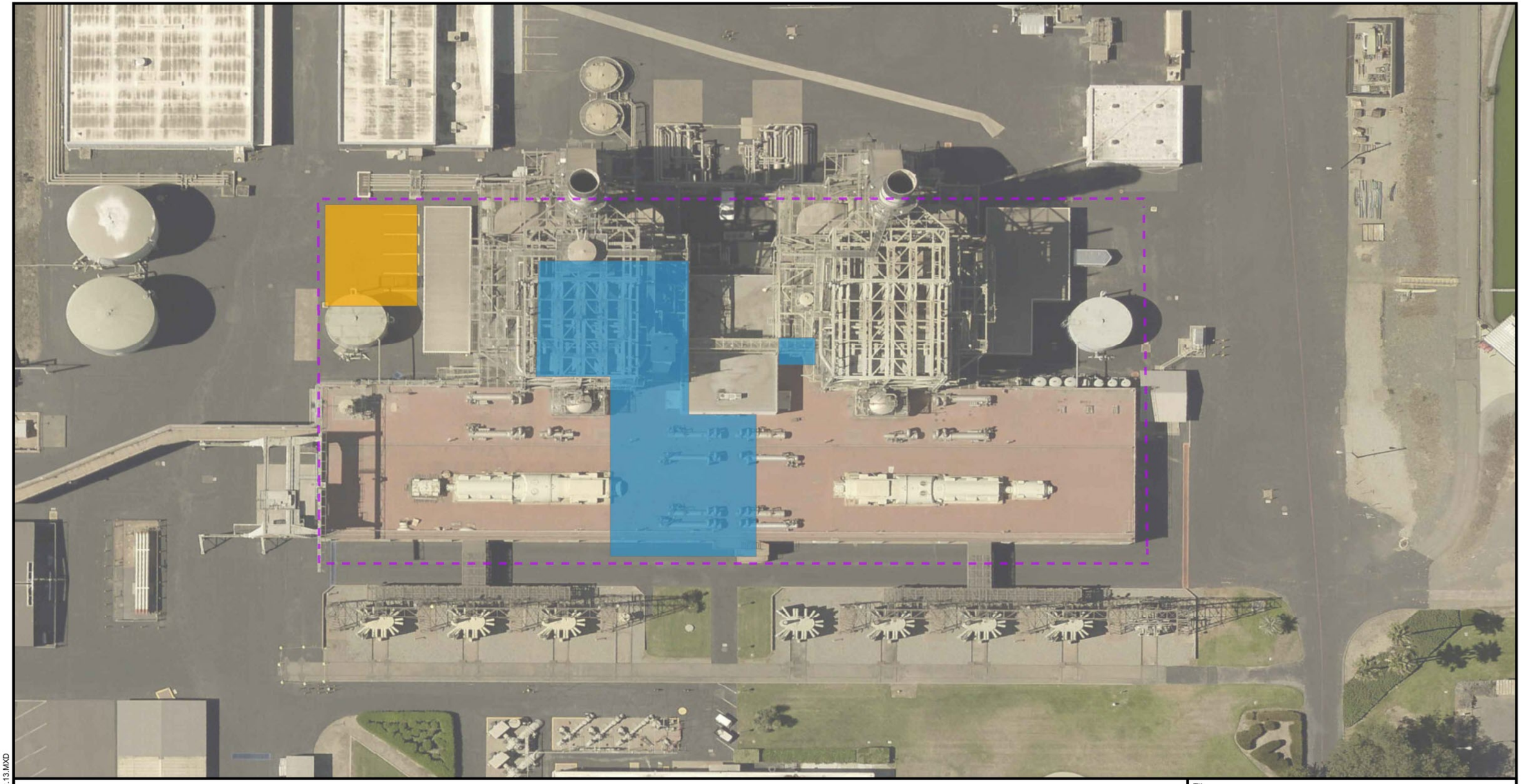
Title: **PROPOSED DECISION UNITS**

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:
BTC III ETIWANDA COMMERCE CENTER LP

ROUX	Compiled by: M.H.N.	Date: 14 MAR 2023	FIGURE 1
	Prepared by: M.H.N.	Scale:	
	Project Mgr: M.H.N.	Project: 3653.0801L000	
	File: [illegible]		

DRAFT



LEGEND

- UNIT 1 & 2 AREA
- PCB CLEANUP AREA
- APPROXIMATE LOCATION OF CONEX-STYLE WASTE/PPE CONTAINER

N

50 0 50'

Title:

PROPOSED ON-SITE STORAGE AREA

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: M.H.N.	Date: 01/27/23	FIGURE
Prepared by: M.H.N.	Scale: AS SHOWN	9
Project Mgr: M.J.N.	Project: 3653.0001L000	
File: 3653.0001L102.13.mxd		

S:\GIS\PROJECTS\3653\0001L\102\3653.0001L102.13.MXD

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901
Via Email

Chris Sanford
BTC III Etiwanda Commerce Center LP
4675 MacArthur Court, Suite 625
Newport Beach, California 92660
csanford@aresmgmt.com

Subject: Etiwanda Commerce Center – PCB Notification/Cleanup Plan - EPA Conditional Approval, 40 CFR 761.61(a) and (c) – PCB Site ID: CAR000038158

Dear Chris Sanford:

Thank you for the "Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, August 5, 2022, Revised November 28, 2022" (2022 PCB Cleanup Plan) that Roux Associates, Inc. emailed to us on your behalf. The U.S. Environmental Protection Agency Region 9 (EPA) considers the 2022 PCB Cleanup Plan as a new notification given that you withdrew the August 5, 2022 Notification.

EPA is issuing the enclosed approval to BTC III Etiwanda Commerce Center, LP as the owner of the property at 8996 Etiwanda Avenue, Rancho Cucamonga, California (Etiwanda Site). That property is the polychlorinated biphenyls (PCBs) cleanup site. BTC III Etiwanda Commerce Center, LP (hereafter, the Owner) has an affiliate relationship with Ares Management.

The approximate 60-acre Etiwanda Site formerly known as the Etiwanda Generating Station, was an electrical power generating facility until it stopped operations in 2018. Former Units 1, 2, 3, and 4 were originally oil-fired conventional boilers later converted to natural gas fired units.

Transformers in former Units 1 and 2 are known sources of PCBs that contaminated concrete and asphalt in Units 1 and 2 and surrounding soils up to 750 mg/kg total PCBs. The 2022 PCB Cleanup Plan covers that PCB contamination. The 2022 PCB Cleanup Plan does not cover Units 3 and 4. In addition, given former facility operations, it is possible that other sources of PCBs existed at the Etiwanda Site such as compressors.

EPA is conditionally approving the Phase 1 activities in the 2022 PCB Cleanup Plan for further characterization of PCBs and limited soil cleanup under 40 CFR 761.61(a) and (c). Under that same provision, EPA is also approving the Phase 2 measures to protect exposed soils contaminated with PCBs until their remediation during Phase 3. Section B of the approval has the conditions of approval.

We are not approving Phase 3 as explained in Conditions B.3.a. and B.3.i. Instead, we are asking that the Owner send to EPA an amendment to the 2022 PCB Cleanup Plan that is specific to Phase 3 for approval under 40 CFR 761.61(c).

Conditions B.3.b., B.3.d., B.3.f., B.3.h., B.3.k., B.3.l., B.3.m., and B.3.n. ask the Owner to send information to EPA within 30 or 45 days after the date of this letter. Also, Section F of the approval requires the Owner to respond to EPA's comments and clarifications on the 2022 PCB Cleanup Plan within 30 days after the date of this letter.

We include a preliminary soil cleanup level in Section B.2. of the approval that we need to discuss with the California Department of Toxic Substances Control (DTSC). The DTSC is also involved with the site and regulates PCBs as a hazardous waste for cleanup and disposal.

Condition B.3.b. requires the Owner to sample and analyze any concrete and/or asphalt for PCBs that it plans to use as backfill material at the Etiwanda Site. PCBs in those materials must not exceed 0.58 mg/kg.

We reviewed the biological assessment that ELMT Consulting prepared on behalf of the Owner for the Etiwanda Site. We concluded the activities in the 2022 PCB Cleanup Plan will have no effect on threatened or endangered species or designated critical habitat.

Finally, EPA wants to ensure that use of routes to transport PCB waste from the Etiwanda Site to the offsite disposal facility will not increase the burden of potentially vulnerable communities that may be present near or along those routes. Please send to us within 30 days after the date of this letter the name and address of the disposal facilities that you have selected for disposal of PCB waste at any concentration. EPA will evaluate routes for the transportation of that waste from the Etiwanda Site to each of your chosen disposal facilities using EJScreen. EPA will share via email the EJScreen Report that will have that information inclusive of a recommended route.

EJScreen is EPA's environmental justice screening and mapping tool that uses national data to pinpoint potential vulnerable communities burdened by different types of pollutants. This tool gives summarized information for the environmental and socioeconomic indicators. Pinpointing populations vulnerable to various pollutants is essential in achieving environmental justice. For this reason, EPA developed EJScreen to help aid efforts in ensuring programs, policies, and other resources consider the needs of communities most burdened by pollution.

If you or your consultants have questions about this letter and/or the enclosed approval, please contact Carmen D. Santos, Regional PCB Coordinator, at 415.972.3360 or via email at santos.carmen@epa.gov. We appreciate the opportunity to help you with PCB matters related to the Etiwanda Commerce Center.

Sincerely,

JEFFREY SCOTT

Digitally signed by JEFFREY SCOTT
Date: 2022.12.15 06:42:34 -08'00'

Jeff Scott, Director
Land, Chemicals, and Redevelopment Division

Enclosure with attachments

Cc: Jess Hinchliffe, Ares Management
jhinchliffe@aresmgmt.com

Matthew Nelson, Roux Associates, Inc.
mnelson@rouxinc.com

Steven Rounds, California DTSC
Steven.Rounds@dtsc.ca.gov

Enclosure

U.S. Environmental Protection Agency R9 (EPA) / 40 CFR 761.61(a) and (c) and 761.79(h) Approval

Toxic Substances Control Act (TSCA) Polychlorinated Biphenyls (PCBs)

TSCA PCB Site ID is RCRA ID: CAR000038158

Date of EPA Approval

The date of this approval is the date shown on the digital signature stamp on the transmittal letter.

Notification / Self-Implementing Cleanup Plan, 40 CFR 761.61(a) and September 21, 2022 Information

"Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, August 5, 2022, Revised November 28, 2022" (2022 PCB Cleanup Plan)

A. Introduction

EPA is issuing the enclosed approval to BTC III Etiwanda Commerce Center, LP as the owner of the property at 8996 Etiwanda Avenue, Rancho Cucamonga, California (Etiwanda Site). That property is the polychlorinated biphenyls (PCBs) cleanup site. BTC III Etiwanda Commerce Center, LP (hereafter, the Owner) has an affiliate relationship with Ares Management.

As discussed in the below Background section, EPA considers the 2022 PCB Cleanup Plan as a new notification / PCB cleanup plan under 40 CFR 761.61(a). Roux Associates, Inc. (Roux) sent the 2022 PCB Cleanup Plan to EPA via email on November 27, 2022. The plan was incomplete as it did not include the signed, written certification that Roux emailed to EPA on November 28, 2022. Attached is the certification.

The Etiwanda Site is an approximate 60-acre parcel in the southeast area of the City of Rancho Cucamonga, San Bernardino County, California. The Site, known as the Etiwanda Generating Station, was an electrical power generating facility from 1951 until it stopped operations in 2018. Former Units 1, 2, 3, and 4 were originally oil-fired conventional boilers later converted to natural gas fired units.

Transformers in former Units 1 and 2 are known sources of PCBs that contaminated concrete and asphalt in Units 1 and 2 and surrounding soils up to 750 mg/kg based on sampling that Roux conducted. The 2022 PCB Cleanup Plan covers that PCB contamination. The 2022 PCB Cleanup Plan does not cover former Units 3 and 4. In addition, given former facility operations, it is possible that other sources of PCBs existed at the Etiwanda Site such as compressors.

The 2022 PCB Cleanup Plan proposes PCB related work in three-phases (Phases 1, 2, and 3) at Former Transformer Units 1 and 2. EPA is approving Phases 1 and 2 in the 2022 PCB Cleanup Plan under 40 CFR 761.61(a) and (c) with the conditions in the below Section B. That section also covers EPA's no unreasonable risk determination under 40 CFR 761.61(c) and the cleanup site.

EPA is also approving with conditions specific activities under 40 CFR 761.61(c) that are not explicit requirements of 40 CFR 761.61(a). Examples of those activities are the air dust monitoring and onsite storage of PCB remediation waste and related cleanup waste. The Owner must implement the 2022 PCB Cleanup Plan as changed by the conditions of approval. Such changes are also applicable to soil sampling beneath concrete and asphalt described in Phase 1.

In general, Phase 1 covers (1) removal of concrete and asphalt contaminated with PCBs, (2) soil characterization sampling beneath contaminated concrete and asphalt planned for removal and disposal, (3) completion of PCB characterization sampling in areas of exposed soil, and (4) excavation of soils contaminated with PCBs at 750 milligram/kilogram (mg/kg) at sample location Unit 2-LT-30A of the Etiwanda Site. Phase 1 also covers offsite disposal of PCB remediation waste including soils above 1 mg/kg, and concrete and asphalt contaminated with total PCBs above 0.58 mg/kg. As proposed, Phase 2 covers installation of protection measures for exposed soils contaminated with PCBs west and northwest of concrete and asphalt in Unit 2.

EPA is not approving Phase 3 in this approval as discussed in Conditions B.3.a. and B.3.i. Instead, EPA is asking that the Owner send to EPA an amendment to the 2022 PCB Cleanup Plan specific to Phase 3 for approval under 40 CFR 761.61(c).

The below Section F asks that you respond to EPA's comments and clarification requests related to the 2022 PCB Cleanup Plan within 30 days after the date of this approval. The below Conditions B.3.b., B.3.d., B.3.f., B.3.h., B.3.k., B.3.l., B.3.m., and B.3.n. have deadlines of 30 or 45 days after the date of this approval.

Land Use and Redevelopment

The land use at the site will remain commercial/industrial. The Owner plans to redevelop the site with large industrial warehouse buildings. To that end, the Owner negotiated a Facility-Initiated Corrective Action (FICA) Agreement with the Department of Toxic Substances Control (DTSC) on June 1, 2021. The Owner completed demolition of most of the structures at the site in preparation for site redevelopment. The Owner will complete demolition at former Units 1 and 2 after receiving this approval.

Use of Concrete and/or Asphalt as Backfill Material

The Owner intends to use as backfill material certain onsite concrete and/or asphalt from the demolition of former Units 1 and 2. Please refer to Condition B.3.b. with reference to that intended use. The use authorization at 40 CFR 761.30(u)(1) applies to onsite reuse of those materials.

Federal Endangered Species Act

Regarding endangered species and/or habitat, we reviewed the September 7, 2022 biological assessment (BA) that ELMT Consulting prepared for Ares Industrial Management and that Roux shared with us. We also reviewed a list of federally listed species for the Etiwanda Site that we pulled from the U.S. Fish & Wildlife Service (USFWS) website.

Based on our review, we concluded the federal action (i.e., EPA's approval) related to the proposed cleanup activities involving (1) removal of concrete and asphalt contaminated with PCBs and (2) excavation of soils contaminated with PCBs together with the option to cap soils contaminated with PCBs below 50 mg/kg will have no effect on threatened or endangered species or designated critical habitat. By making this determination, EPA completed its obligation under Section 7 of the Endangered Species Act and did not need to consult with the USFWS to approve the 2022 PCB Cleanup Plan.

California Department of Toxic Substances Control (DTSC)

EPA understands that DTSC is involved with cleanup activities at the Etiwanda Site. With reference to the cleanup of PCBs at the Etiwanda Site, EPA has the lead for those cleanup activities. Also, DTSC regulates PCBs as a hazardous waste. Therefore, the Owner should coordinate PCB cleanup activities with EPA and DTSC to ensure it meets the requirements of the two agencies. Please refer to the below Section B.2. that includes DTSC's risk-based screening level for commercial/industrial soils as a cleanup goal for concrete and asphalt.

Background

On September 6, 2022, on behalf of the Owner (i.e., BTC III Etiwanda Commerce, LC), Roux withdrew the Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, August 5, 2022" (Original PCB Plan). Therefore, EPA considers the *Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, August 5, 2022, Revised November 28, 2022"* as a new notification and not as a revision of the Original PCB Plan. Roux prepared and sent that Original PCB Plan to EPA via email on August 8, 2022 on behalf of the Owner.

The Owner withdrew the Original PCB Plan due to substantial EPA comments on that plan. Also, the Original PCB Plan was based on incomplete characterization of PCBs at the site. The 2022 PCB Cleanup Plan is based on the information that Roux included in the Original PCB Plan and PCB results for concrete, asphalt, and soil samples that Roux collected after September 14, 2022 and before November 27, 2022. Still the soil characterization described in the 2022 PCB Cleanup Plan is incomplete. The Owner proposes collection of more soil characterization samples under the new notification.

On September 6, Roux emailed the draft Characterization Samling Plan for EPA's review. EPA's November 14, 2022 email addressed to Roux concurred with the Characterization Plan with specific clarifications. Attached is EPA's September 14, 2022 email.

On August 11 and 23, 2022, we discussed the notification / cleanup plan with Roux. During the August 23 meeting, your consultants expressed their preference to withdraw the notification. The attached August 25, 2022 email addressed to Roux included steps to withdraw the Notification. However, EPA did not receive an email from Roux confirming if the Owner would withdraw that document until later in September.

EPA also asked the Owner to send information confirming if any endangered species or habitat and threatened species or habitat covered by the federal Endangered Species Act are present at the proposed cleanup site or, in the case of the species, go to certain areas of the site.

Since 1951, the Site was an electrical power generating facility, known as the Etiwanda Generating Station. Southern California Edison owned the facility from 1951 until 1998. NRG/GenOn, LLC. Generating Units 1 and 2 were in full operation in 1953 until decommissioned in 2003. Units 3 and 4, built in 1963, stopped operations in 2018. All four units were originally oil-fired conventional boilers and later converted to natural gas fired units. In 1969, Southern California Edison added a peaker unit (Unit 5) to the site. Unit 5 is not in operation.

B. No Unreasonable Risk, PCB Cleanup Levels, and Conditions of Approval

1. EPA's Determination of No Unreasonable Risk, 40 CFR 761.61(c)

EPA believes the air dust monitoring method the Owner is proposing to conduct during PCB cleanup activities that may generate dust will result in no unreasonable risk to human health or the environment if conducted as changed in this approval. EPA also believes that onsite storage of PCB remediation waste and cleanup waste will result in no unreasonable risk to human health or the environment if the Owner manages the storage area consistent with this approval.

In addition, EPA believes the installation of measures to cover exposed soils contaminated with PCBs until their remediation under Phase 3 will result in no unreasonable risk to human health or the environment if installed consistent with the changes that this approval requires.

2. Cleanup Site, PCB Cleanup Levels and Goals and Air Dust Monitoring Action Level

a. The cleanup site. Preliminarily, the cleanup site consists of Former Transformer Units 1 and 2 and adjacent areas outlined in purple in Figures 2 (Site Plan) and 3 (Topographic Map) of the 2022 PCB Cleanup Plan.

In September 2019, a soil removal took place at Former Units 1 and 2 to address elevated levels of arsenic and included analysis of soil samples for volatile organic compounds and total petroleum hydrocarbons. DTSC approved the removal work plan (sent to DTSC as a technical memorandum) on January 6, 2022. It is not clear if the analysis of post-removal soil samples included PCBs. The 2022 PCB Cleanup Plan does not include information about prior soil removals from former Units 1 and 2.

b. Soil – 40 CFR 761.61(a). The preliminary PCB cleanup level for soils is the high occupancy level in 40 CFR 761.61(a)(4)(i)(A) of ≤ 1 mg/kg. The Owner can leave in place soils that have PCBs > 1 mg/kg but ≤10 mg/kg if it covers the soils with a cap following the requirements in 40 CFR 761.61(a)(7). Alternatively, if not capped, the Owner can dispose of those soils at an offsite disposal facility consistent with 40 CFR 761.61(a)(5)(i)(B)(2). The above preliminary PCB cleanup levels are pending EPA's discussion with DTSC.

c. Concrete and asphalt – 40 CFR 761.61(c). The PCB cleanup goal for concrete and asphalt is 0.58 mg/kg total PCBs. That cleanup goal is the DTSC screening level for total PCBs in commercial/industrial soils.

d. Air dust action level – 40 CFR 761.61(c). The action level for air dust is 25 microgram/cubic meter. The Owner must keep the air dust concentration to below that action level when conducting activities at the site that generate dust that could have PCBs. Examples of those activities include excavation of soils contaminated with PCBs, demolition of concrete structures, and crushing of concrete that has PCBs.

3. Conditions of Approval

The below conditions of approval change the 2022 PCB Cleanup Plan. The below conditions refer to contaminated soils, asphalt, and concrete. The soils and those materials are PCB remediation waste. The 2022 PCB Cleanup Plan has inaccurate references to certain provisions in the PCB regulations. Specific conditions in this approval mention a few of those with reference to the subject covered by the condition.

The Owner must analyze for Aroclor 1268 all samples that it collects consistent with this approval and the 2022 PCB Cleanup Plan.

a. PCB Cleanup, Phase 3 - 40 CFR 761.61(c). The 2022 PCB Cleanup Plan divides the cleanup activities into three phases (Phases 1, 2, and 3). With reference to Phase 3, the Owner must send an amendment to the 2022 PCB Cleanup Plan under 40 CFR 761.61(c) that covers Phase 3 within 30 days after it completes the final redevelopment plans for implementation at the Etiwanda Site.

Phase 3 is dependent, among other things, on the site redevelopment plans that are not yet ready. Also, the 2022 PCB Cleanup Plan does not lay out the final Phase 3 details except for two general options. Depending on the final details of redevelopment plans for the Etiwanda Site, Phase 3 will cover capping of soils contaminated with total PCBs > 1 mg/kg but ≤ 10 mg/kg and/or removal of those soils from the Etiwanda Site for offsite disposal.

The schedule in the 2022 PCB Cleanup Plan estimates Phase 3 starting many months after the conclusion of Phase 2. That schedule also estimates 10 months or longer to complete the three phases. The Owner plans to complete Phases 1 and 2 within a few months.

Within 30 days after receiving the results for the Phase 1 characterization samples and cleanup verification samples, the Owner must email to EPA an updated schedule for implementation of Phases 2 and 3. Refer to the below Condition B.3.i.

b. Backfill material - 40 CFR 761.61(c) and 40 CFR 761.30(u)(1). Within 45 days after the date of this approval, please send a sampling plan to EPA for review and approval to further delineate the PCB concentration in concrete and asphalt planned for use as backfill material. The required sampling is to verify that total PCBs in those materials are below the 0.58 mg/kg PCB cleanup goal.

We understand the Owner intends to use as backfill material certain onsite concrete and/or asphalt from the demolition of equipment (e.g., transformers) pads associated with former Units 1 and 2 and nearby concrete and/or asphalt. The use authorization at 40 CFR 761.30(u)(1) applies to onsite reuse of those materials.

The Owner must collect in-situ samples from the above materials before demolition to find out if PCBs are present. The purpose of that sampling is to ensure that PCBs in concrete and/or asphalt planned for use as backfill materials in the areas where the Owner will construct the new buildings (e.g., warehouses) do not exceed 0.58 mg/kg total PCBs. If the planned backfill materials exceed that concentration, the Owner must dispose of such materials at an applicable offsite disposal facility consistent with 40 CFR 761.61(a)(5)(i)(B)(2).

c. Real-time air dust monitoring – 40 CFR 761.61(c). Subject to the below conditions, EPA is approving monitoring of air dust as PM_{10} in real time.

The 2022 PCB Cleanup Plan says the Owner will conduct dust monitoring following the South Coast Air Quality Management District Rule 1466. The Owner must conduct that air dust monitoring during PCB cleanup activities at the cleanup site that generate dust that could have PCBs. Such activities include excavation of soils contaminated with PCBs (bulk PCB remediation waste) and containerization of those soils for transportation to the offsite disposal facility.

The Owner must keep dust levels to below the action level of 25 microgram/cubic meter ($\mu g/m^3$) when (1) excavating soils that have PCBs and (2) putting those soils (bulk PCB remediation waste) in containers for transportation to the applicable offsite disposal facility. If instead of using containers the Owner decides to live load the bulk PCB remediation waste to a truck for transportation to the applicable disposal site, the Owner must conduct air dust monitoring.

The Owner must implement dust suppression activities (e.g., use of atomized water) within 15 minutes of a dust reading equal to or above 25 microgram/cubic meter. The Owner must minimize and contain at the Etiwanda Site any surface runoff that could result from dust suppression activities.

Activities at the Etiwanda Site also include demolition of concrete structures (Former Transformer Units 1 and 2) and asphalt that have PCBs and crushing of those materials. Rule 1466 does not cover or apply to demolition activities. However, EPA is requiring the Owner to follow the dust monitoring requirements in Rule 1466 during those activities.

In addition, if the Owner decides to stockpile PCB remediation waste onsite and/or crushed concrete and/or asphalt that has PCBs, the Owner must also conduct air dust monitoring.

As required in Rule 1466, the Owner must cease on-site earth-moving activities if the wind speed is greater than 15 mph averaged over a 15-minute period, or the instantaneous wind speed exceeds 25 mph. This statement changes the 2022 PCB Cleanup Plan.

d. Onsite temporary storage of PCB remediation waste – 40 CFR 761.61(c). Subject to the below conditions, EPA is approving the temporary storage of PCB remediation waste and cleanup waste up to 30

days from the first date of waste generation consistent with 40 CFR 761.65(c)(1). Within 45 days after the date of this approval, the Owner must send to EPA via email a figure depicting the location of the temporary storage area and explaining how the Owner will keep that area secured to limit access to authorized personnel and protect waste containers from damage. If the Owner needs an extension of the 30-day temporary storage timeframe in 40 CFR 761.65(c)(1), the Owner may request such an extension under 40 CFR 761.61(c). Alternatively, the Owner may request under 761.61(c) that EPA approve storage of PCB waste in containers for up to 180 days under 40 CFR 761.65(c)(9).

The Owner must mark the fence that will keep the storage area secure consistent with 40 CFR 761.35. The Owner must mark the storage area consistent with 40 CFR 761.40(a)(10). The Owner must containerize the above waste consistent with 40 CFR 761.65(c)(6). The Owner must label the waste containers with the first date of waste generation and mark the containers consistent with 40 CFR 761.40(a)(1). The Owner must dispose of the waste at an applicable disposal facility within 30 days from the first date of waste generation.

Cleanup waste is not PCB remediation waste. Therefore, the Owner must separately containerize each waste type for storage and disposal and mark each container as described above.

This condition requires the Owner to mark and temporary store containers holding PCB waste below 50 mg/kg in the same manner as above.

e. **Offsite disposal of less than 50 mg/kg bulk PCB remediation waste, and offsite disposal of cleanup waste – 40 CFR 761.61(a).** The Owner must adhere to all applicable requirements in 40 CFR 761.61(a)(5)(i)(B). The owner must follow the landfill notification requirements in 40 CFR 761.61(a)(5)(i)(B)(2)(iv). The Owner must dispose of the bulk PCB remediation waste based on the highest as-found PCB concentration in that waste and following the applicable requirements in 40 CFR 761.61(a)(5)(i)(B)(2). Such disposal must not be based on the results of samples that the disposal facility requires a generator to collect to profile the waste for offsite disposal. The Owner must dispose of cleanup waste following the requirements in 40 CFR 761.61(a)(5)(v). Cleanup waste is not PCB remediation waste.

f. **Section 3.6 (Site Characterization Data Gaps), Section 4.3.1 (Phase 1 – Concrete, Asphalt, and Subsurface Soil Removal Technologies), and Figure 7 (Proposed Soil Characterization and Verification Sampling Plan Former Transformers Units 1 & 2), 2022 PCB Cleanup Plan – 40 CFR 761.61(a).** With reference to the excavation area related to sample Unit-2-LT-30A (670 mg/kg total PCBs), the excavation area includes sampling locations Unit-2-LT-35A, -35D, -30C, and -25C. Within 30 days after the date of this approval, the Owner must email to EPA a figure showing the cleanup verification sampling grid for that excavation area.
The Owner must collect discrete samples from the soils beneath the concrete and asphalt that it plans to remove. This is necessary to allow comparison of the new planned soil characterization samples to already-collected discrete samples from the adjacent exposed soil areas. Within 30 days after the date of this approval, the Owner must email to EPA a revision of Figure 7 depicting the discrete soil samples that it will collect beneath the concrete and asphalt that it will remove. The Owner must also correct Note 4 in Figure 7 by changing "verification samples" to "characterization samples." The Owner must also email to EPA a revised Table 4 showing each sample listed in that table as a discrete sample (not as composite samples). Further, the composite samples that the Owner listed in Table 4 include composite samples consisting of one discrete sample, two discrete samples, three discrete samples, and four discrete samples. Such sampling approach will generate PCB results for dissimilar types of composite samples that a person will not be able to compare to each other. Also, a person will not be able to compare the results from those dissimilar composite samples to already collected and analyzed discrete characterization samples.

The Owner must also email to EPA a revised Table 5 showing the planned new samples as discrete characterization samples and not as "verification samples." The Owner has not conducted a PCB cleanup in the currently exposed soil area proposed for further characterization as to label the planned new soil characterization samples as "verification samples." Consistent with 40 CFR 761.61(a)(7), the Owner must collect verification samples after cleanup.

g. **Phase 1, Section 4.3.1 (Phase 1 – Concrete, Asphalt, and Subsurface Soil Removal Technologies), 2022 PCB Cleanup Plan - 40 CFR 761.61(a) and 761.61(c).** The Owner must survey the exposed soil area (west and northwest of concrete and asphalt planned for removal) and get and record survey coordinates for each characterization sample location before it covers that area following the Phase 2 approach. The Owner plans to remove for offsite disposal or cap in place the soils contaminated with PCBs during Phase 3. (40 CFR 761.61(c))

   The Owner refers to the new soil samples that it plans to collect from the exposed soil area as "verification samples." Those samples are characterization samples as the Owner has not yet conducted a PCB cleanup. Consistent with 40 CFR 761.61(a)(6), the Owner must collect verification samples after cleanup. If PCB results for the new characterization samples are at or below the 1 mg/kg cleanup level, EPA may consider those samples as cleanup verification samples after the Owner conducts the PCB cleanup in that area or before the Owner caps the soils in that area having PCBs above 1 mg/kg and at or below 10 mg/kg.

h. **Phase 2, Section 4.3.2 (Phase 2 – Protection of Uncharacterized PCB-Impacted Soils), 2022 PCB Cleanup Plan - 40 CFR 761.61(c).** Within 30 days after the date of this approval, the Owner must email to EPA a figure depicting all the soil areas that it will protect in place following the below requirements. The Owner proposed to protect soils contaminated with PCBs above 1 mg/kg in the exposed soil area west and northwest of concrete and asphalt that it plans to remove. However, the Owner excluded from the protection measures soils that it will expose after removing concrete and asphalt contaminated with PCBs.

   The Owner must install a cover (geotextiles) to protect all soils contaminated with PCBs in the exposed soil area (west and northwest of concrete and asphalt planned for removal) regardless of PCB contamination to prevent mobilization of those soils due to precipitation or wind. The Owner must secure the cover so that winds expected under normal seasonal meteorological conditions do not functionally disable the cover.

   The Owner must also protect soils that it will expose after removing concrete and asphalt contaminated with PCBs. The Owner must implement the above measures to protect those soils if contaminated with PCBs.

   The Owner must add a run-on control system to the "protected soil areas" designed, constructed, operated, and maintained such that (1) it prevents flow onto the covered PCB remediation waste during peak discharge from at least a 25-year storm and (2) it collects and controls at least the water volume resulting from a 24-hour, 25-year storm. The Owner must empty collection and holding facilities (e.g., tanks or basins) or otherwise manage those facilities expeditiously after storms to keep the system's design volume.

   The Owner must inspect the cover of the soil protected areas weekly, and before and after a storm. The Owner must complete any repairs at the time when the Owner observes the cover needs repairs.

   EPA Recommendation: Hay bales placed at a 10-foot spacing may not be sufficient to keep the cover in place throughout the many months before the Owner conducts the PCB cleanup. Therefore, EPA recommends that in addition to hay bales, the Owner install stakes (e.g., landscaping stakes) to ensure the cover will stay in place without ripping.

i. **Phase 3, Section 4.3.3 (Soil Removal and Onsite Capping) and Section 4.7 (Cleanup Schedule), 2022 PCB Cleanup Plan – 40 CFR 761.61(c).** Please also refer to the above Condition B.3.a.

Within 30 days after receiving the PCB results for (1) all new soil characterization samples and (2) soil cleanup verification samples related to the Unit-2-LT-30A (670 mg/kg total PCBs) excavation area, the Owner must email to EPA a figure depicting all PCB soil cleanup areas and related PCB cleanup verification sampling grid.

Within 60 days after the date of this approval, the Owner must send an email to EPA clarifying the institutional control for the Etiwanda Site. The Owner says that it will prepare a land use covenant that meets the requirements in 40 CFR 761.61(a)(8) (deed notice for caps and fences). Please note that upon receipt of a final Phase 3 amendment to the 2022 PCB Cleanup Plan, EPA will consider approving Phase 3 under 40 CFR 761.61(c), and as necessary, also under 40 CFR 761.61(a). Given that DTSC is also involved with the Etiwanda Site, the institutional control should be a land use covenant where EPA is a third-party beneficiary with rights to enforce the covenant.

j. **Section 5.1 (Grid Size [Risk-Based Approval - 761.61(c)]), 2022 PCB Cleanup Plan.** EPA is not approving the change that the Owner requested related to 40 CFR 761.283(b)(1)(ii). As part of Phase 1, The Owner plans to collect more characterization samples from currently exposed soils and from soils beneath contaminated concrete and asphalt that it will remove. The Owner will remove concrete and asphalt during Phase 1.

After removal of concrete and asphalt contaminated with PCBs above 0.58 mg/kg, the Owner plans to collect the soil samples depicted in Figure 7 and listed in tables 4 and 5. Those soil samples are PCB characterization samples. Refer to the above Condition B.3.f. During Phase 1, the Owner plans to excavate about 4.3 cubic yards of soil from the location represented by sample Unit-2-LT-30A (750 mg/kg total PCBs). The excavation area involves Unit-2-LT-35A, -35D, -30C, and -25C. Section 4 of the 2022 PCB Cleanup Plan does not include a verification sampling grid for the excavation area.

With reference to the above characterization samples and the sampling grid in Figure 7, the Owner says in Section 5.3 that: "Similarly, it is proposed to not shift the grid as required by 40 CFR §761.283 (b)(1)(ii) where resampling is needed in order to simplify and streamline the sampling process and data management." 40 CFR 761.283(b)(1)(ii) requires the sampling grid be shifted when sampling a cleanup area that had to be recleaned due to not meeting the cleanup levels. Also, refer to 40 CFR 761.61(a)(6). The requirements in 40 CFR 761.283(b)(1)(ii) about shifting the sampling grid during cleanup verification have nothing to do with the characterization sampling grid.

Unless the Owner gives EPA a justifiable technical reason for not shifting the sampling grid as 40 CFR 761.283(b)(1)(ii) requires, EPA is not approving the requested change. Please also note the Owner did not include a cleanup verification sampling grid for the above excavation area.

k. **Section 5.3 (Composite Sample Preparation), 2022 PCB Cleanup Plan – 40 CFR 761.61(a) and 40 CFR 761.289.** Section 5.3 refers to 40 CFR 761.289(b)(i). That provision does not exist. Within 30 days after the date of this approval, the Owner must clarify if it is referring to 40 CFR 761.289(b)(1)(i).

EPA Clarification. Section 5.3 states that: "As a conservative measure and in consultation with USEPA, composite samples will consist of no more than 4 discrete samples per composite sample. Anticipated composite samples are presented on **Figure 7** and summarized in **Table 4**."

EPA is clarifying the above statement with reference to the collection of composite samples based on its discussions with Roux. EPA recommended that Roux consider collecting four-point (4:1) composite samples (four discrete samples combined to create one composite sample) for cleanup verification to

ensure proper preparation of the sample in the field or the laboratory. That did not mean preparing composite samples with up to four discrete samples as shown on Figure 7 and Table 4. Please refer to the above Condition B.3.f. EPA also did not recommend collection of composite soil samples for characterization. With reference to this clarification, EPA also considered that Roux also prepared dissimilar composite samples for characterization of PCBs in concrete and asphalt.

l. **Site grading – 40 CFR 761.61(c).** Within 45 days after the date of this approval, the Owner must email the grading plan to EPA. The Owner must exclude from grading activities the soil protected areas (see Condition B.3.h.) if PCBs in any of those soils exceed 1 mg/kg.

m. **Water having PCBs above 0.5 microgram/Liter.** Within 30 days after the date of this approval, the Owner must confirm the decontamination standard that it will apply to water that has PCBs, if it generates such water during decontamination activities and/or during implementation of the soil protection measures covered in the above condition B.3.

Clarification: The limit in 40 CFR 761.79(b)(1)(iii) for discharge of water to a POTW is 3 microgram/Liter and a POTW may not accept that water if their permit has a more stringent discharge limit for PCBs. Further, please note that 40 CFR 761.79(b)(1)(iii) also allows a PCB discharge limit included in a permit issued under section 307(b) or 402 of the Clean Water Act.

n. **Decontamination, Section 5.6 (Decontamination Procedures) - 40 CFR 761.79(h).** Within 30 days after the date of this approval email to EPA the risk-based alternative decontamination application for EPA approval that follows the requirements in 40 CFR 761.79(h)(2). As required in that paragraph, the application must describe the material that the Owner will decontaminate and the proposed self-implementing decontamination method. Please also refer to the comments in the emails referenced in the below Section F.

o. **Note 3, Figure 6 (Proposed Cleanup Areas Former Transformers Units 1 & 2), 2022 PCB Cleanup Plan – EPA clarifications and recommendations.** Note 3 says with relation to the Former Transformer Unit-2-SST and Unit-1/2-RT Transformer that the "area to be characterized pending equipment removal may be disposed of at a hazardous waste TSCA-approved disposal facility in lieu of performing characterization sampling." That refers to the concrete areas between sampling grid points 35B and 35G and between sampling grid points 35G and 35I.

EPA clarifies that if the Owner does not sample the above areas to complete characterization of PCBs in concrete, then the Owner must assume that all the concrete in the uncharacterized areas have total PCBs at or above 50 mg/kg. The Owner must dispose of that PCB remediation waste at a hazardous waste landfill permitted by EPA under Section 3004 of the Resource Conservation and Recovery Act (RCRA) or a State authorized under Section 3006 of RCRA, or a chemical waste landfill approved by EPA under 40 CFR 761.75. EPA does not issue permits for hazardous waste landfills under the PCB regulations and does not refer to chemical waste landfills (40 CFR 761.75) as "hazardous waste landfills."

Further, the Owner decided to use the definition of the area of inference to segregate concrete and asphalt contaminated with PCBs for offsite disposal. PCBs are present in concrete up to 670 mg/kg. The Owner's application of the area of inference may not necessarily result in proper segregation of highly contaminated material from lesser contaminated material. Therefore, the Owner must ensure that concrete and asphalt that it is segregating for disposal as having less than 50 mg/kg total PCBs indeed does not have total PCBs at or above 50 mg/kg.

p. **Recordkeeping (40 CFR 761.61(a)(9)) applicable to the paragraphs at 40 CFR 761.61(a)(3), (a)(4), and (a)(5) and consistent with the records requirements in 40 CFR 761.125(c)(5) – 40 CFR 761.61(c).** The Owner must also include the below information in the report documenting cleanup of PCBs (Report) at the locations of the Etiwanda Site covered in the notification and this approval. Before creating the Report, the Owner must schedule a meeting with EPA to discuss the cleanup verification data

and if the Owner met the PCB cleanup level. The Owner must send the complete Report in portable document format (PDF) to EPA via email within 60 days after the Owner receives all the PCB analytical results related to the Phase 3 PCB cleanup. The Owner must keep the Report for five years.

1. **Air dust monitoring.** The Owner must include in the Report a section dedicated to real-time air dust monitoring conducted during PCB cleanup activities. That section should include tables with all daily PM_{10} readings, discuss the days and times when dust readings were at or above the action level, and describe the measures taken to reduce dust to below the action level.

2. **Table summarizing conditions of approval.** The Owner must include in the Report a summary of the conditions of approval and how it met those conditions.

3. **Disposal information.** As applicable, the Owner must include in the Report, copies of disposal documents signed by the disposal facility and the signed certificates of disposal. As applicable, disposal documents include hazardous waste manifest, bills of lading, and/or non-hazardous waste manifests.

4. **Decontamination.** The Parties must include in the Report the applicable decontamination records and information described in 40 CFR 761.79(f). The Parties must include that information if they decontaminated any tools, sampling equipment, and/or movable equipment that contacted PCBs during the PCB cleanup.

C. Procedures to Submit Reports, Documentation, and Correspondence to EPA

The Owner should follow the below procedures to send information or reports or documentation to EPA.

a. The title of the report or the subject line on documentation and correspondence (inclusive of emails) shall include the PCB cleanup site identification number (PCB Site ID) assigned by EPA and the PCB site name (PCB Site). Specific to this approval: the PCB Site ID is the RCRA ID CAR000038158, the PCB Site is "Etiwanda Commerce Center," and the EPA Project Manager is Carmen D. Santos (santos.carmen@epa.gov).

b. If no claim of confidentiality accompanies the submitted information, then such information may be made available to the public by EPA without further notice to you [15 U.S.C. 2613; 82 FR 6522 (January 19, 2017); 40 C.F.R. § 2.203(a)].

c. The Owner must contact EPA about document submission procedures if the Parties intend to send information to EPA with an assertion of business confidentiality.

d. Except as otherwise specified in these instructions, all documentation (e.g., reports), correspondence, and other written communications shall be submitted electronically to the EPA Project Manager (Carmen D. Santos) via email at santos.carmen@epa.gov with a courtesy electronic copy via email to R9LandSubmit@epa.gov. Please include the PCB Site ID (i.e., CAR000038158) and PCB Site name (i.e., Etiwanda Commerce Center) in the email's subject line.

D. Compliance with this Approval and Applicable Regulations

EPA is issuing this approval to the Owner (BTC III Etiwanda Commerce Center, LP) of the property at 8996 Etiwanda Avenue, Rancho Cucamonga, California (Etiwanda Site). The Owner and its consultants and contractors must abide by and implement the conditions in this approval. This approval does not relieve the Owner and their consultants and contractors from abiding by the federal Toxic Substances Control Act (TSCA) PCB regulations and other applicable federal, state, and local law. Consistent with 40 CFR 761.50(a)(6), any person storing or disposing of PCBs is also responsible for determining and complying with

all other applicable federal, state, and local laws and regulations. Departure from this approval without prior written permission from EPA may result in revocation of this approval and/or an enforcement action.

If new information shows that EPA cannot sustain the no unreasonable risk determination in the above Section B.1., EPA will change or revoke this approval.

Nothing in this approval limits EPA's ability to seek penalties or pursue other legal action, including compliance orders or criminal proceedings, for violations of the terms or conditions of this approval or of applicable federal, state, or local law (including other TSCA PCB requirements or for activities not covered under this approval). EPA reserves the right to require more characterization and/or cleanup of PCBs within the Etiwanda Commerce Center (site). Those requirements will take place if further information during site characterization, cleanup verification, and/or during future post-cleanup activities (e.g., redevelopment and post redevelopment) at the site shows that PCBs are present at the site above the approved PCB cleanup levels and/or goals. In addition, EPA may ask for cleanup in areas in very close proximity to the site if PCBs from the site affected those areas.

This approval does not cover further requirements that State (e.g., Department of Toxic Substances Control), and/or county and /or local agencies may impose related to the cleanup of PCBs at the site or adjacent areas that historical uses of PCBs at the site could have affected. Those uses are inclusive of PCB bulk products.

E. Amendments to this Approval and the Owner's 2022 PCB Cleanup Plan

1. **Amendments to EPA approval.** The Owner can request in writing to EPA changes to specific conditions in this approval. In requesting a change, include the reasons for the request and justification for the proposed change. The Owner can schedule a conference call with EPA to discuss any proposed changes to this approval. EPA will issue a decision on the request and discuss such decision with the Owner before amending the specific condition of approval.

2. **Amendments to the EPA-approved 2022 PCB Cleanup Plan.** The Owner must follow the procedures in 40 CFR 761.61(a)(3)(ii) to make changes to the 2022 PCB Cleanup Plan and get EPA's approval of such changes.

   With reference to the items in the 2022 PCB Cleanup Plan that EPA is approving under 40 CFR 761.61(c) and 761.79(h), the Owner may start a modification to its 2022 PCB Cleanup Plan by sending the modification to EPA for approval together with the reasons and justification for the proposed modification. The modification should pinpoint the part(s) of the application proposed for modification and include a description of the modification. The Owner may schedule a conference call with EPA to discuss any proposed modification. EPA will issue a decision on the request and discuss such decision with the Owner before EPA decides to amend its approval to include the 2022 PCB Cleanup Plan modification or reject the proposed modification to that plan.

F. EPA Comments and Request for Clarification Regarding 2022 PCB Cleanup Plan

The Owner must respond to the comments and the clarifications that EPA asked in the below referenced emails from Carmen Santos (EPA) to Matthew Nelson (Roux). Below, we list the emails that need a response together with the date and time when EPA sent the email to Roux. Please respond to the comments within 30 days after the date of this approval.

a. November 28, 2022 emails sent at 11:53 a.m. and 12:36 p.m.
b. November 30, 2022 email sent at 11:01 a.m.
c. December 1, 2022 emails sent at 5:55 a.m., 7:10 a.m., and 10:32 a.m.

Within 30 days after the date of this approval, the Owner must send a summary to EPA of all soil removals conducted at Former Units 1 and 2 including whether PCBs were a constituent of concern. Please also include related PCB analytical results and a list of equipment removed from the Etiwanda Site such as compressors. Please send that information also for Units 3 and 4. The 2022 PCB Cleanup Plan does not discuss other potential PCB sources at the Etiwanda Site. Given the type of operations conducted at the Etiwanda Generating Station, the Owner should have discussed other potential sources of PCBs in the 2022 PCB Cleanup Plan.

From:	Santos, Carmen
To:	Mark Nishibayashi; Matthew Nelson; Martin Hamper
Cc:	Santos, Carmen
Subject:	Etiwanda Commerce Center - PCB Self-Implementing Cleanup Notification/Cleanup Plan Under 40 CFR 761.61(a)
Date:	Thursday, August 25, 2022 8:22:00 AM

Hello,

This is regarding our conversation on August 23, 2022 related to the 40 CFR 761,61(a) notification. I understood that you prefer to withdraw the notification. Below is the information that you need to include in an email to EPA to withdraw the notification. If you have questions, please email me or call me.

- Reference the date of our meeting.
- Include the full title of the notification and date when you sent it to EPA via email.
- The reason(s) why you are withdrawing the notification.
- A statement indicating that you are authorized by the owner of the property to withdraw the notification.

If you do intend to withdraw he notification, please confirm as soon as possible as EPA has a 30-day notification response deadline from the date it received the document.

Regarding decontamination, I still plan to follow up with you on that matter as soon as I have a chance.

Respectfully,

Carmen D. Santos
PCB Coordinator
santos.carmen@epa.gov
415.972.3360

U.S. EPA Region 9
Land, Chemicals, and Redevelopment Division (LND-4-1)
75 Hawthorne Street
San Francisco, CA 94105

Please add R9LandSubmit@epa.gov to your email when writing or submitting information to EPA R9 that is not confidential business information (CBI).

"A creative man is motivated by the desire to achieve, not by the desire to beat others." A. Rand"

From:	Santos, Carmen
To:	Matthew Nelson
Cc:	Mark Nishibayashi; Martin Hamper; Rounds, Steven@DTSC; Santos, Carmen
Subject:	Important: Etiwanda Commerce Center, EPA Concurrence with Clarifications - Draft Characterization Sampling Plan, September 6, 2022
Date:	Wednesday, September 14, 2022 9:18:00 AM

Matthew,

Thank you for your September 6, 2022 draft Characterization Sampling Plan (Sampling Plan). The plan covers the concrete samples that Roux will collect from the prior transformer Units 1 and 2's power block or pads. Roux will send the samples to their chosen analytical laboratory for extraction and analysis following the EPA methods 3540C and 8082A, respectively. We concur with the Sampling Plan as clarified below.

- **Future Use of the Property**
    - We need to understand well what are the owner's plans for the property so that we can set applicable and protective cleanup levels for the site.
    - With reference to characterization and eventual cleanup of the area encompassing the prior Units 1 and 2 and other areas to where PCBs may have migrated from Units 1 and 2, please confirm the future use of the property.
    - Is the owner redeveloping the property for industrial use only or mixed use?
    - What are the current uses of the surrounding properties? Does the owner wants to clean up the property to goals or levels that allow unrestricted use of the property or to goals or levels that only allow industrial use of the property?

- **Cleanup Goals or Levels**
    - DTSC plans to set up cleanup goals or levels for the site. PCBs and other contaminants are present at the site.
    - EPA needs additional information from DTSC related to cleanup goals or levels for the site.
    - EPA also needs Roux's answers to the above "Future Use of the Property" questions.

- **Draft Characterization Sampling Plan**
    - Roux's implementation of the Sampling Plan yields data (PCB results) of sufficient quantity and quality for decision-making.
        - Roux plans to use concrete from the demolition that meets a PCB cleanup goal or level that allows its onsite use.
        - The laboratory detection limits and quantitation limits should allow comparison of the PCB data to 0.23 mg/kg (see the above second bullet). We are using that 0.23 mg/kg total PCBs as a PCB concentration of reference so the laboratory gives you the lowest detection and quantitation limits they can consistently achieve for the materials being sampled at the site (e.g., concrete, soil, sediments).
        - PCBs levels in the surrogates (e.g., decachlorobiphenyl) are at or above 75%.
    - Each sample has sufficient volume to allow for moisture testing and PCB extraction.
    - PCB extracts
        - The laboratory cleans up PCB sample extracts following an applicable EPA method such as Method 3620 or 3665.
        - The laboratory cleans up the extracts before PCB analysis of the extract

following EPA Method 8082 or 8082A.
    - The sample chain of custody form needs to include instructions to the laboratory.
        - See above bullets under "Draft Characterization Sampling Plan."
        - Roux instructs the laboratory to determine percent moisture for each sample and report PCB results as dry weight.
    - Roux will collect step-out samples in all directions from samples exceeding the PCB cleanup goal or level until it finds the full lateral and vertical extent of PCB contamination.

- **Storm Water Drains or Catch Basins - Sampling**
    - Drains - Collect two discrete sediment samples from each drain for individual PCB extraction and analysis.
    - Catch basins - Depending on the size of the catch basin, collect two or more than two discrete samples from each basin for individual PCB extraction and analysis.
    - Grates on storm water drains and/or catch basins - Collect two surface wipes from each of the grates (top and bottom) for individual PCB extraction and analysis.
    - Roux confirms the discharge point for the stormwater drains (or catch basins) found at the site and gives that information to EPA.
    - Also see the below "Cleanup Plan" section.

- **Decontamination**
    - The Sampling Plan makes reference to 40 CFR 761.79(h) and it is unclear if the decontamination section in that plan is a risk-based application under that paragraph. Roux needs to clarify the decontamination method (e.g., soaking, wiping, spraying) that it will use as it is not clear.
    - An application under 40 CFR 761.79(h) need to meet the requirements in the most applicable 761.79(h) paragraph (e.g., 761.79(h)(1)). Roux and EPA can discuss the use of 761.79(h) for decontamination of tools, movable equipment, and sampling equipment before Roux prepares the Cleanup Plan.
    - For now, Roux could follow the NACE Standard #2 in 40 CFR 761.79(b)(3)(i)(b).
    - Before conducting the concrete sampling (e.g., concrete sampling), Roux needs to clarify what is the decontamination method in 40 CFR 761.79(b) (e.g., spraying, soaking, and/or wiping) that it will follow for decontamination of tools and sampling equipment.

- **Cleanup Plan**
    - EPA recommends that Roux prepare a hybrid cleanup plan. 40 CFR 761.61(a) says that if a person wants to use porous surfaces contaminated with PCBs, that such porous surfaces should be cleaned up following 40 CFR 761.30(p) or 40 CFR 761.79. We recommend that Roux include in the cleanup plan a section that covers cleanup of concrete under 40 CFR 761.61(c), if Roux plans to reuse at the site concrete that meets specific PCB cleanup goals. If Roux plans to dispose of all the concrete from the demolition of the prior Units 1 and 2's power block or pad at an offsite disposal facility, then Roux needs to follow the disposal requirements in 761.61(a)(5)(iii).
    - EPA recommends that Roux include the cleanup of stormwater drains and/or catch basins and best management practices for those items in the 761.61(c) portion of the cleanup plan.

End of EPA's Input on the Draft Characterization Plan

Respectfully,

Carmen D. Santos

PCB Coordinator
santos.carmen@epa.gov
415.972.3360

U.S. EPA Region 9
Land, Chemicals, and Redevelopment Division (LND-4-1)
75 Hawthorne Street
San Francisco, CA 94105

Please add R9LandSubmit@epa.gov to your email when writing or submitting information to EPA R9 that is not confidential business information (CBI).

"A creative man is motivated by the desire to achieve, not by the desire to beat others." A. Rand"

September 7, 2022

ARES INDUSTRIAL MANAGEMENT
Contact: Carlos Palafox
4675 MacArthur Court, Suite 625
Newport Beach, California 92660

SUBJECT: Analysis of Impacts to Federally Listed Species Under the Federal Endangered Species Act (ESA) for the GenOn Industrial Site

Introduction

This letter transmits the findings of biological surveys and analyses conducted for the Gen On Industrial Site (project site or site) located in the City of Ontario, San Bernardino County, California. Projects proposed in this area have the potential to provide suitable habitat for federally listed plant and wildlife species known to occur in the general vicinity of the project site. As such, an assessment was conducted to determine if federally listed species are present, the site provides suitable habitat, and if impacts have been adequately addressed and mitigated pursuant to the federal Endangered Species Act (ESA) of 1973, as amended. This habitat suitability evaluation is intended to provide the applicant and resource agencies with preliminary biological data needed for planning and permitting decisions concerning the proposed project.

Project Location

The project site is generally located north of Interstate 10, east of Interstate 15, south of State Route 210 and west of Etiwanda Avenue in the City of Rancho Cucamonga, California. The site is depicted on the Guasti quadrangle of the United States Geological Survey's (USGS) 7.5-minute map series within Sections 17 and 8 of Township 1 South, Range 6 West. Specifically, the project site is located at 8996 Etiwanda, Avenue, Rancho Cucamonga, California. Refer to Exhibits 1-3 in Attachment A.

The project site is presently developed/heavily disturbed and is surrounded by the following uses:

- ***North***: Immediate north of the project site is an existing railroad track with industrial land uses beyond.
- ***East***: Immediately to the east is Etiwanda Avenue with industrial/commercial land uses beyond.
- ***South***: To the south are industrial land uses, undeveloped/vacant parcels.
- ***West***: To the south are industrial land uses and undeveloped/vacant parcels.

Compliance with the Federal Endangered Species Act

The ESA requires federal agencies to "request of the Secretary (of Interior) information whether any species which is listed or proposed to be listed may be present in the area of any action that is conducted, permitted, funded or licensed by a Federal agency." An Information for Planning and Consultation (IPaC) species list was acquired from United States Fish and Wildlife Service (USFWS) (refer to Attachment C). The

following Federally listed species and Critical Habitats were identified as potentially occurring within the general vicinity of the project site:

Wildlife Species

- Monarch Butterfly (*Danaus plexippus*) — Candidate
- San Bernardino Merriam's Kangaroo Rat (*Dipodomys merriami parvus*) — Endangered
- Coastal California Gnatcatcher (*Polioptila californica californica*) — Threatened
- Delhi Sands Flower-loving Fly (*Rhaphiomidas terminates abdominalis*) — Endangered

Flowering Plant Species

- San Diego Ambrosia (*Ambrosia pumila*) — Endangered

Critical Habitats

- None

Field Surveys and Existing Conditions

A field investigation of the project site was conducted by ELMT biologist Travis J. McGill on June 11, 2021 to determine the suitability of on-site habitats to support one or more of the aforementioned Federally listed plant and wildlife species.

The entire project site has been subject to a variety of anthropogenic disturbances associated with onsite development. Due to historical and current land uses, no undisturbed native plant communities or natural communities of special concern were observed on the project site. These disturbances have eliminated the natural plant communities that once occurred on and surrounding the project site. The project site and site-adjacent improvement areas consists of two (2) land cover types that would be classified as disturbed and developed. Developed areas generally encompass all building/structures, and paved/impervious surfaces. The developed areas within the project site are comprised of the existing industrial development, paved and loose gravel parking lots, and landscaped areas. The heavily disturbed areas are primarily found adjacent to Chadwick Channel, near the center of the project site, and on the northwest corner of the site.

Suitability Analysis

An analysis of the suitability of the project site to support the above listed Federally listed wildlife and plant species follows:

Scientific Name Common Name	Status	Habitat	Observed On-site	Potential to Occur
WILDLIFE SPECIES				
Danaus plexippus monarch butterfly	Candidate	Occurs in open fields and meadows dominated by milkweed (*Asclepias* sp.). In winter, species can be found on the coast of southern California in Eucalyptus groves and at high altitudes in central Mexico.	No	**Presumed absent** The project site does not contain or occur within proximity of suitable habitat. Adequate forage is not available on-site.

Scientific Name Common Name	Status	Habitat	Observed On-site	Potential to Occur
Dipodomys merriami parvus San Bernardino kangaroo rat	Endangered	Primarily found in Riversidean alluvial fan sage scrub (RAFSS) and sandy loam soils, alluvial fans and flood plains, and along washes with nearby sage scrub. May also occur at lower densities in Riversidean upland sage scrub, chaparral and grassland in uplands and tributaries in proximity to RAFSS habitat. Tends to avoid rocky substrates.	No	**Presumed absent** The project site does not contain or occur within proximity of suitable habitat. Adequate forage and suitable soils for burrowing are not available on-site.
Polioptila californica californica coastal California gnatcatcher	Threatened	Common yearlong resident of southern California in sage scrub habitats that are dominated by California sagebrush (*Artemisia californica*). Prefers scrub habitat with more low-growing vegetation. Species generally occurs below 750 feet above mean sea level (msl) along the coast and below 1,500 feet above msl within inland regions.	No	**Presumed Absent** The project site does not contain or occur within proximity of suitable habitat. Adequate forage and nesting sites are not available on-site.
Rhaphiomidas terminatus abdominalis Delhi Sands flower-loving fly	Endangered	DSF habitat is limited to areas that include Delhi fine sand, an aeolian (wind-deposited) soil type. The highest density of DSF have been found in habitat that includes a variety of plants including California buckwheat, California croton, deerweed, and telegraph weed.	No	**Presumed Absent** The project site does not contain or occur within proximity of suitable habitat. Adequate forage and aeolian soils are not present on-site.
PLANT SPECIES				
Ambrosia pumila San Diego ambrosia	Endangered	Occurs in open habitats in coarse substrates near drainages, and in upland areas on clay slopes or on the dry margins of vernal pools. This species occurs in a variety of associations that are dominated by sparse grasslands or marginal wetland habitats such as river terraces, pools, and alkali playas. Found at elevations ranging from 66 to 1,362 feet. Blooming period is from April to October.	No	**Presumed Absent** The project site does not support any of the required habitats and is not in proximity to any of these native habitats. The project site does not support upland habitats on clay soils or marginal wetland habitats such as vernal pools.

Avoidance and Minimization Measures

The project site and surrounding area have the potential to provide refuge/cover from predators, perching sites, and favorable conditions for nesting birds. Nesting birds are protected pursuant to the Migratory Bird Treaty Act (MBTA). Consequently, if avian nesting behaviors are disrupted, such as nest abandonment and/or loss of reproductive effort, it is considered "take" and is potentially punishable by fines and/or imprisonment. If construction activities cannot avoid the breeding season (February 1 – August 31st), a pre-construction nesting bird clearance survey shall be conducted by a qualified biologist within three (3) days prior to any vegetation removal or ground disturbing activities to ensure that birds protected under the MBTA are not impacted by construction related activities such as noise and increased human presence. Any active nests detected in the area shall be identified and an appropriate buffer (typically 300 feet for passerine and non-special-status species, and 500 feet for hawks and special-status species) around the nest location will be established. The buffer area is to be avoided until the nest becomes inactive or it is determined by the qualified biologist that the nest has failed for reasons unrelated to project activities.

Conclusion

As evidenced by the above discussion and enclosed documents, no federally listed wildlife or plant species were observed on-site. Further, an assessment of the suitability of the on-site habitat to support any of the identified federally listed species determined that the on-site habitat is unsuitable for these species. Therefore, a "Take", meaning to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or

attempt to engage in any such conduct has no potential to occur to federally threatened and endangered species with the implementation of the project. A "No Effect" determination is warranted, and implementation of the proposed project will not result in direct or indirect impacts to federally listed species.

Please do not hesitate to contact Tom McGill at (951) 285-6014 or tmcgill@elmtconsulting.com or Travis McGill at (909) 816-1646 or travismcgill@elmtconsulting.com should you have any questions regarding this report.

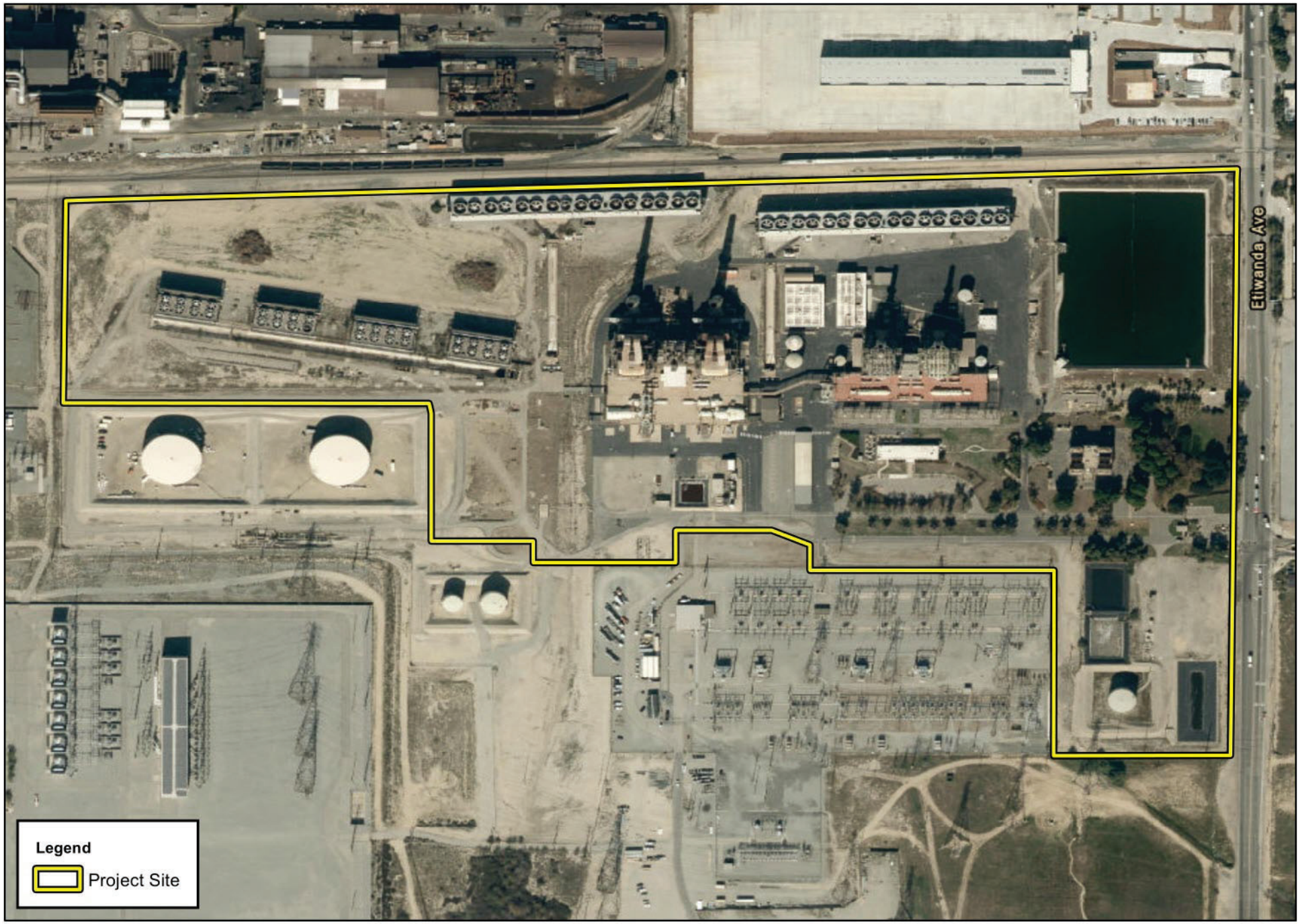
Sincerely,

Thomas J. McGill, Ph.D.
Managing Director

Travis J. McGill
Director

Attachments:

A. Project Exhibits
B. USFWS IPaC Species List



ELMT CONSULTING

0 125 250 500 Feet

Source: ESRI Aerial Imagery, San Bernardino County

GEN ON PROJECT

Project Site

Exhibit 1

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
Phone: (760) 431-9440 Fax: (760) 431-5901

In Reply Refer To:
Project Code: 2022-0084400
Project Name: 8996 Etiwanda Ave (GenOn)

September 7, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A biological assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a biological assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a biological assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found at the Fish and Wildlife Service's Endangered Species Consultation website at:

https://www.fws.gov/endangered/what-we-do/faq.html

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

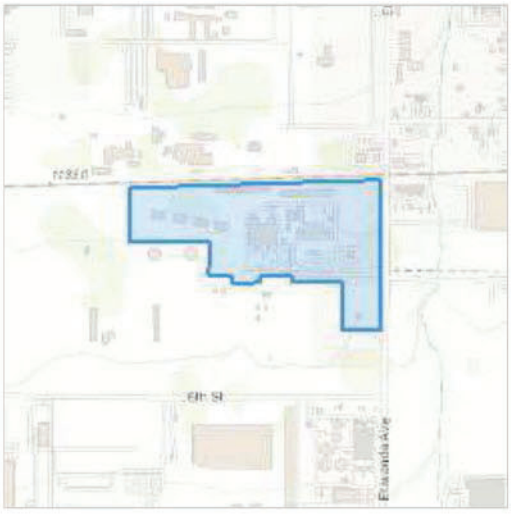
This species list is provided by:

Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
(760) 431-9440

Project Summary

Project Code: 2022-0084400
Project Name: 8996 Etiwanda Ave (GenOn)
Project Type: Commercial Development
Project Description: Decommissioning an existing power plant
Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@34.09049625,-117.5271136822021,14z



Counties: San Bernardino County, California

Endangered Species Act Species

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
San Bernardino Merriam's Kangaroo Rat *Dipodomys merriami parvus* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2060	Endangered

Birds

NAME	STATUS
Coastal California Gnatcatcher *Polioptila californica californica* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8178	Threatened

Insects

NAME	STATUS
Delhi Sands Flower-loving Fly *Rhaphiomidas terminatus abdominalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1540	Endangered
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Flowering Plants

NAME	STATUS
San Diego Ambrosia *Ambrosia pumila*	Endangered

There is **final** critical habitat for this species. The location of the critical habitat is not available.
Species profile: https://ecos.fws.gov/ecp/species/8287

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

IPaC User Contact Information

Agency: ELMT Consulting, Inc.
Name: Travis McGill
Address: 2201 N. Grand Ave. #10098
City: Santa Ana
State: CA
Zip: 92711
Email travismcgill@elmtconsulting.com
Phone: 7147165050

Lead Agency Contact Information

Lead Agency: Environmental Protection Agency

ROUX

Self-Implementing PCB Cleanup and Disposal Notification Plan

BTC III Etiwanda Commerce Center
8996 Etiwanda Avenue
Rancho Cucamonga, California

August 5, 2022

Prepared for:

BTC III Etiwanda Commerce Center

Prepared by:

Roux Associates, Inc.
5150 East Pacific Coast Highway, Suite 450
Long Beach, CA 90804

3653.0001L106/R

Environmental Consulting
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B. Certification

List of Acronyms and Units

AMSL	Above mean sea level
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
cm	Centimeter
DOT	Department of Transportation
DTSC	Department of Toxic Substances Control
FICA	Facility-Initiated Corrective Action
GenOn	GenOn LLC
HMR	Hazardous Materials Regulations
IEUA	Inland Empire Utility Agency
mg/kg	Milligrams per Kilogram
µg/L	Micrograms per liter
PCB	Polychlorinated Biphenyl
PCB FAST	Polychlorinated Biphenyl Facility Approval Streamlining Toolbox
PPE	Personal Protective Equipment
ppm	Parts per million
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
Roux	Roux Associates, Inc.
SCE	Southern California Edison
SICP	Self-Implementing PCB Cleanup and Disposal Notification Plan
TSCA	Toxic Substances Control Act
USEPA	United States Environmental Protection Agency

1. Introduction

Roux Associates, Inc. (Roux) has prepared this Self-Implementing Polychlorinated Biphenyl (PCB) Cleanup and Disposal Notification Plan (SICP) on behalf of BTC III Etiwanda Commerce Center LP (Owner) for the remediation of PCB impacted materials for the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California (Site).

PCBs were identified at concentrations greater than 50 milligrams per kilogram (mg/kg) in portions of concrete slabs beneath former transformers at former generating Units 1 and 2. Remediation of PCBs with as-found concentrations equal to or greater than 50 parts per million (ppm; 50 mg/kg) is regulated under the Toxic Substances Control Act (TSCA). TSCA regulations require the submission of a Self-Implementing Cleanup Plan to the United States Environmental Protection Agency (USEPA) Regional Administrator prior to conducting cleanup activities.

2. Site Description and History

2.1 Site Description

The Site consists of an approximately 60-acre parcel located in the southeast portion of the City of Rancho Cucamonga, San Bernardino County, California (Figure 1). The Site is bounded by the Burlington Northern Santa Fe Railroad tracks to the north, Etiwanda Avenue to the east, a Southern California Edison (SCE) owned switchyard to the southeast, and the Inland Empire Utility Agency (IEUA) parcel to the southwest (Figure 2).

The Chadwick Channel, a local drainage feature, transects the Etiwanda Generating Station, entering from the northern property boundary and passing between the Unit 3 and Unit 4 cooling towers. The channel is unvegetated and made up of native soils, and measures approximately 6 feet deep by 60 feet wide at the channel bottom (Jamison and Associates, 2011). The channel ends at a retention and energy dissipation basin north of 6th Avenue before entering the regional municipality storm collection system.

The property has a slight slope from north to south with ground surface elevations ranging between 1,100-1,130 feet above mean sea level (AMSL). Site topography in the vicinity of the remediation area is shown on Figure 3.

2.2 History and Operations

Since 1951, the Site has historically been an electrical power generating facility, known as the Etiwanda Generating Station, that operated under the ownership of Southern California Edison (SCE) from 1951 to 1998 and from 1998 to 2018 under the ownership of NRG/GenOn LLC (GenOn). Generating Units 1 and 2 were in full operation in 1953 and Units 3 and 4 were built in 1963. All four units were originally oil-fired conventional boilers and were converted to natural gas fired units. Boiler cooling capacity used water from three on-Site, deep, high-capacity groundwater wells. Cooling water was circulated through the plants and then to cooling towers located on the north side of the Site. In 1969, a peaker unit (Unit 5) was added to the Site.

Units 1 and 2 were decommissioned in 2003 and have been inactive since that time. Units 3 and 4 discontinued operations by June 2018 and the Unit 5 Peaker has reportedly not been used since 1998 (Northgate Environmental Management, Inc. [Northgate], 2021). The Owner acquired the Site from the former owner, GenOn, in December 2020.

2.3 Ongoing Plant Demolition and Site Investigation Activities

On February 1, 1995, SCE and the California Department of Toxic Substances Control (DTSC) entered into a Stipulated Judgment (Stipulation BC121219; Judgement), regarding environmental issues at the Site and 10 other SCE facilities in Southern California. In accordance with the Judgement, DTSC required that SCE perform corrective action at the Site under the Resource Conservation and Recovery Act (RCRA). Northgate, on behalf of SCE, submitted a Revised Final RCRA Facility Investigation (RFI) Work Plan (RFI Work Plan; Northgate, 2021) to DTSC on July 20, 2021 to close data gaps across the entire Site. Northgate identified 38 operational areas/areas of interest at the Site which are described in detail in the RFI Work Plan. Subsurface investigations have been conducted at the Site by SCE and numerous other parties between the 1990s and 2022 and are currently ongoing.

To facilitate redevelopment of the Site with large industrial warehouse buildings, the Owner entered into a Facility-Initiated Corrective Action (FICA) Agreement with the DTSC on June 1, 2021. The Owner is currently demolishing many of the structures present at the Site in preparation for Site redevelopment.

3. Summary of Environmental Conditions

As part of the demolition preparation activities, the Owner conducted sampling of concrete at locations where PCBs were suspected to have been present in equipment related to historical operations at the Site. Concrete in certain locations near the former Unit 1 and 2 transformers contained PCBs at concentrations greater than or equal to 50 mg/kg. This instigated the TSCA remediation response, including the preparation of this SICP.

This section presents a summary of the previous environmental investigations completed at the Site related to PCBs in the vicinity of the former Unit 1 and 2 transformers.

3.1 Sampling and Analytical Procedures

Concrete core samples were collected in the vicinity of the Unit 1 and 2 transformers using a hammer drill and a concrete bit to yield a 1.5-inch-diameter sample to a depth of approximately 2 inches. As shown in Figure 4, multiple sample points were composited as a representative sample for each sample area. Composite samples were placed in 4-ounce glass jars and analyzed in accordance with USEPA SW846 Method 8082/3546 at Eurofins Calscience LLC, Garden Grove, California, a state-certified laboratory.

3.2 PCB Sampling Results

A total of 15 concrete composite samples were collected near the four former transformer pads. Pad locations and individual sample points used to create composite samples are shown on Figure 4. PCB data for each composite sample are in Table 1. Full laboratory analytical reports are included in Appendix A.

3.2.1 Former Transformer Unit-1-SST(S)

In the vicinity of former transformer Unit-1-SST(S), two concrete composite samples were collected, one from the transformer pad, and one from the adjacent concrete (Figure 4). The total PCB concentration from the composite sample collected from the transformer pad (Unit-1-SST[S]) was 110 mg/kg, whereas the total PCB concentration from the adjacent concrete (Unit-1-SST[S]_SO) was 0.26 mg/kg (Table 1).

As PCBs were detected above 1 mg/kg in composite sample Unit-1-SST(S) (110 mg/kg), remediation is needed at this location. Additional delineation is needed to the north, west, and south of this area. The area to the east is delineated by sample Unit-1-SST(S)_SO.

3.2.2 Former Transformers Unit-1/2-RT and Unit-2-SST

In the vicinity of former transformers Unit-1/2-RT and Unit-2-SST, 10 concrete composite samples were collected, one from each of the transformer pads, and eight from the adjacent concrete (Figure 4). Total PCB concentrations ranged from 0.44 to 420 mg/kg (Table 1).

Both transformer pad samples as well as five of the eight adjacent concrete composite samples exceeded the cleanup criteria of 1 mg/kg. Remediation is therefore warranted at these areas, and additional delineation is needed to the north of the former transformer concrete pads and in all directions around the step-out sampling areas to the southwest of the former transformer pads (see Section 4).

3.2.3 Former Transformer Unit-2-LT

In the vicinity of former transformer Unit-2-LT, three concrete composite samples were collected, one from the transformer pad, and two from the adjacent concrete (Figure 4). Total PCB concentrations ranged from 1.3 to 98 mg/kg (Table 1). As PCB concentrations exceeded 1 mg/kg in all sampled areas, remediation is warranted, and additional delineation is needed in all directions.

4. Additional Characterization Sampling

The initial characterization sampling described in Section 3 indicated that not all the boundaries of the transformer areas were delineated to the USEPA High Occupancy Cleanup Level of 1 mg/kg. Accordingly, additional characterization sampling will be conducted. Additional characterization samples are proposed to be collected at the step-out locations shown in Figure 5. As shown in Figure 5, the step-out samples will be collected in a grid-like pattern to determine the extent of PCB impacts that exceed the cleanup level (1 mg/kg) and will require remediation. At each location, a sample of the representative slab/foundation material will be collected for the analysis of PCBs. Based on the results of the step-out sampling, additional step-out sampling may be required to fully delineate the extent of PCB impacts exceeding the screening level. Additional step-outs will be collected following the grid pattern shown in Figure 5.

Sampling methods, analytical methods, and decontamination procedures are described in the Sampling and Analysis Plan (Section 6).

5. Remedial Approach

Cleanup levels are described by 40 CFR §761.61 (a)(4)(i) – *Bulk PCB Remediation Waste*, and 40 CFR §761.61 (a)(4)(iii) – *Porous surfaces*, respectively. The proposed cleanup level for the site is the *High occupancy areas without further conditions* which is less than or equal to 1 ppm (1 mg/kg) total PCBs.

5.1 Proposed Remedial Approach

The proposed remedial approach to address the total PCB concentrations greater than or equal to 50 mg/kg at the Unit 1 and 2 transformer areas is as follows:

- Concrete containing PCBs greater than 1 mg/kg will be delineated and removed;
- Verification samples of the underlying concrete and/or soil within the cleanup area will be collected. Concrete and soil meeting the cleanup level (≤1 mg/kg) may remain in place;
- Concrete or soil containing PCBs greater than 1 mg/kg based on the verification samples will be removed and additional verification samples collected; and
- Excavated material will be disposed of in accordance with TSCA and other applicable regulations (Section 5.2.3).

5.2 Remediation Activities

Concrete and subsoils will be removed as needed to meet the cleanup level (1 mg/kg). The cleanup activities are described below.

5.2.1 Concrete and Subsurface Soil Removal Technologies

The final removal technologies will be determined through a competitive bidding process using one or more of the technologies in this plan. Depending on the thickness of the concrete slabs to be remediated and depth of PCB impacts requiring remediation, the technologies for removal of PCB-impacted concrete include scarification, chipping, hand tools, equipment, or other mechanical means of removing that portion of the slab to a depth where the cleanup level is met, or complete removal of the slab. Each of these technologies are expected to be effective in the removal of the PCB impacted portion of the concrete. Based In the estimated volume of concrete to be removed, Site contractors will propose an appropriate removal technology to be approved.

In the case where removal of subsoil beneath the concrete is required to satisfy the remedial objectives, the soil will be excavated with heavy equipment and hand tools as needed.

5.2.2 Verification Sampling

The cleanup standard is met where a sample results in a measurement of PCBs at a concentration less than or equal to the cleanup level (1 mg/kg). Where the sample results in a measurement of PCBs above the cleanup level, the cleanup is not complete. The area must be re-cleaned until the cleanup level is met (40 CFR 761.61 (a)(6)(ii)). Verification samples may be individual grab samples or composite samples as appropriate for the geometry of the area undergoing verification. The same procedures as described in Section 6 will be used for verification sampling as needed.

Based on the additional characterization sampling, the concrete slab (or a portion thereof) found to exceed the cleanup level will removed. If a portion of the concrete remains in-place, concrete verification samples will be collected using the procedures described above. If the entire concrete slab is removed, soil verification samples will be collected from the area where the concrete was removed using the procedures described above.

If the soil verification samples do not meet the cleanup level, such soil will be removed, and additional soil verification samples will be collected from the soil remaining in-place using the procedures described above.

If a soil excavation is greater than 1.5 feet deep, then sidewall verification samples may be appropriate. If a sidewall verification sample result exceeds the cleanup level, such soil will be removed, and verification samples will be collected from the new sidewall.

5.2.3 On-Site Management

The total quantity of PCB remediation waste (concrete and/or soil) to be generated will be dependent on the results of the additional delineation sampling to be completed. Where possible, it is anticipated that removed PCB remediation waste soil or concrete will be direct loaded into trucks and transported for disposal. If necessary, the on-Site storage and management of PCB remediation waste pending disposal will generally follow one or more of the following procedures:

- PCB remediation wastes may be stored in Department of Transportation (DOT)-compliant containers on-Site temporarily for up to 30 days without meeting the requirements of 40 CFR 761.65 (b) ((40 CFR 761.65 (c)(1)(iii)).
- Non-DOT regulated PCB remediation wastes will be packaged following DOT Packaging Group III (40 CFR 761.65 (c)(6)).
- PCB containers will be marked following 40 CFR 761.40 (a) – Figure 1 and dated.
- It is anticipated that PCB remediation waste containers will be shipped for disposal within the 30-day period. If containers remain on Site for more than 30 days, the PCB remediation wastes must be stored meeting the requirements of 40 CFR 761.65 (b).
- If bulk PCB remediation waste is stored on-Site, it may be stored in a stockpile on-Site for 180 days following the requirements of 40 CFR 761.65 (c)(9).

The on-Site storage and management practice(s) selected will be determined based on the volume and type of remediation waste expected to be generated.

5.2.4 Waste Disposal

All PCB-impacted concrete and soil removed from the Site and other remediation-derived waste will be transported and disposed of in accordance with all applicable federal, state, and local regulations at an appropriate waste disposal facility. The remediation-derived waste that will be generated during the cleanup activities are expected to include, but are not limited to:

- Soil;
- Concrete;
- Personal protective equipment (PPE);

- Disposable sampling equipment, plastic sheeting; and
- Decontamination water.

Bulk PCB remediation wastes with PCB concentrations greater than or equal to 50 mg/kg (as determined by in situ characterization and/or verification sample results) will be disposed in a hazardous waste landfill permitted by USEPA or an authorized State, or in an approved PCB disposal facility (40 CFR 761.61 (a)(5)(iii)). PCB remediation waste with PCB concentrations greater than or equal to 50 mg/kg shipped off Site will be manifested following 40 CFR 761 Subpart K. Manifests will be maintained by the Owner for a minimum of three years from the date the waste was accepted by the initial transporter, in accordance with 40 CFR 761 Subpart K.

Bulk PCB remediation wastes with PCB concentrations less than 50 mg/kg, as well as PPE and other solid cleanup-related materials (plastic sheeting, disposable tools, etc.), will be disposed in one of the following (40 CFR 761.61 (a)(5)(v)(A)(1)):

- State-licensed, permitted, or registered municipal solid waste facility subject to 40 CFR Part 258;
- State-licensed, permitted, or registered facility to manage non-hazardous, non- municipal wastes subject to 40 CFR 257.5 through 257.30 as applicable;
- Hazardous waste landfill permitted by USEPA or an authorized State; or
- Approved PCB disposal facility (40 CFR 761.61 (a)(5)(ii) and 40 CFR 761.61 (a)(5)(v)(A)).

Manifesting is not required for PCB remediation waste containing PCB concentration at less than 50 mg/kg (40 CFR 761.207 (e)).

Decontamination water shall meet the decontamination standard of less than 3 micrograms per liter (μg/L) for discharge to a treatment works or to navigable waters, or less than 0.5 μg/L for unrestricted use (40 CFR 761.79 (b)). Decontamination water may be filtered on Site to meet the decontamination standard. If applicable, representative samples of the filter media will be collected and analyzed for PCBs for disposal following Section 5.2.3.

5.3 Site Security

Access to the site is restricted to reduce the potential for exposure to its safety and health hazards. During hours of site operation, site entry and exit is authorized only at the main security gate. Personnel entering and leaving the site are required to sign in/out at the construction office near the entrance to the Site.

5.4 Site Health and Safety Procedures

Personnel who are exposed or potentially exposed to hazardous substances, including hazardous waste, and who are engaged in “clean up operations” or “hazardous substance removal” must conduct their work in accordance with Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) standards and training. Site contractors who may handle or contact hazardous wastes, hazardous materials, or contaminated soil at the Site while conducting earthwork activities will conduct work in accordance with the Site-specific Health and Safety Plan (HASP) to protect and inform workers.

Suspected contaminated materials should be handled by HAZWOPER trained personnel only until it is determined by a qualified environmental professional that such precautions are not warranted.

Ambient air monitoring measures will be implemented, as necessary, in accordance with the Site-specific Ambient Air Monitoring Plan (AAMP). Measures in the AAMP will help demonstrate that activities are not resulting in unacceptable exposures for off-Site populations and to ensure that adequate control measures are in place to address potential metals, fugitive dust, and VOC emissions. The monitoring will provide real-time feedback so that additional mitigation measures can be implemented, if necessary, to control emissions.

5.5 Equipment Decontamination

Equipment used for the remediation of PCB-impacted soil and concrete or that has come in contact with potentially PCB-impacted soil and concrete will require decontamination. There is no information indicating that liquid PCBs are present in the cleanup area. Accordingly, American Society for Testing and Materials (ASTM) Method 5088 Standard Practice for Decontamination of Field Equipment Used at Waste Sites is suitable for cleaning equipment in contact with soil impacted by PCBs in the ppm range. Tools and heavy equipment will be power-washed with water. Sampling equipment will be decontaminated using a non-phosphate detergent wash followed by water rinses. Decontamination rinsate will be collected for disposal.

5.6 Record Keeping

Records of field sampling, remediation, and decontamination procedures (e.g., field notes, manifests, photographs, laboratory reports) will be retained for a minimum of 3 years after completion of the decontamination activities, in accordance with 40 CFR § 761.125(c)(5).

5.7 Remediation Schedule

Upon approval of this SICP, it is anticipated that the completion of the proposed remedy will have the following schedule:

- It is estimated that bidding and contracting the work will take approximately 2 weeks;
- It is estimated that the additional characterization sampling will take approximately 2 weeks;
- Laboratory results are expected within 3 weeks of completion of the additional characterization sampling;
- It is estimated that the concrete removal will take approximately 2 weeks;
- The verification sampling is estimated to require approximately 2 weeks;
- Laboratory results are expected within 3 weeks of completion of the verification sampling;
- After review of the laboratory results, soil removal may be conducted and is estimated to potentially require 2 weeks to complete;
- The follow-up verification sampling is expected to take 1 week with the results available after 3 weeks; and
- If the verification samples meet the cleanup level, a report will be prepared approximately 2 months after the laboratory results are available.

The estimated time to complete the implementation of the SICP is approximately 7 months. The estimated time for completion provided above are projected estimates only, which are subject to change due to the current demolition activities, regulatory approvals, field conditions, contractor availability, weather conditions, and timing of permit approvals, where applicable.

6. Sampling and Analysis Plan

This section describes the sampling and analysis plan. The remedial objective is met where sample results indicate PCB concentrations less than or equal to the 1 mg/kg cleanup level.

6.1 Grid Size

Consistent with 40 CFR 761.265 and 40 CFR 761.283, samples will be collected on a grid interval of no greater than 5 feet (approximately 1.5 meters). Samples meeting the cleanup level at the perimeter of an area will also serve as horizontal cleanup verification samples.

The area of inference applicable to an individual (discrete grab) sample result is the area bounded by a square formed by four lines parallel to the north-south and east-west grid lines, halfway between sample points in each direction. The area of inference applicable to composite samples is the total of the areas of the subsamples included in the composite.

6.2 Sample Locations

6.2.1 Characterization Sampling

Perimeter samples will be collected as shown on Figure 5 to delineate the extent of PCBs in concrete. Step out perimeter samples will be collected if a perimeter sample does not meet the cleanup level. If structures/obstructions (i.e., interior walls) restrict access to a perimeter sampling location, a sample will be collected where the obstruction is encountered.

6.2.2 Verification Sampling

In accordance with *40 CFR 761.61(a)(6)*, post-concrete or soil removal verification sampling will be conducted following 40 CFR 761 Subpart O.

A square grid system will be established with the vertical axis aligned in the north-south direction and the horizontal axis in the east-west direction. The grid spacing will be 5 feet (1.5-meters) in both the east-west and north-south directions. Depictions of the grid and sample locations are on Figure 5. A sample will be collected from each grid point.

Where additional concrete and/or soil removal is necessary, the grid will be adjusted as required by 40 CFR 761.283 (b)(2) by offsetting the grid 1 meter to the north and east.

6.3 Sample Type

Discrete grab samples will be collected from each of the grid locations as shown on Figure 5. It is also anticipated that step out samples, if needed, will be discrete grab samples, but composite sampling may also be conducted if appropriate. Verification samples may be grab or composite samples. Composite samples, if collected, will be collected as described in Section 6.4.1.

6.4 Sampling Methods

Soil and concrete samples will be collected using a scoop, core sampler or drill bit/coring bit having a diameter of greater than or equal to 2 and less than or equal to 3 cm (approximately 1.5 inches) which will be decontaminated between sample locations. Maximum sample depth shall be 7.5 cm (approximately

3 inches). Sample size shall be a minimum of 20 milliliters, or 30 grams. The powder generated will be transferred to sample containers using a scoop. Drill bits, coring bits, chisels, scoops, and other applicable sampling tools will be decontaminated between sample locations. Verification samples may be grab or composite samples. Composite samples, if collected, will be collected as described in Section 6.4.1.

6.4.1 Composite Sample Preparation

Composite samples, if collected, will be prepared following 40 CFR 761.289. Composite samples will be prepared in the field or lab as appropriate. The composite method described in 40 CFR 761.289 (b)(1)(ii) may be used if it is determined that the are to be delineated is large, and the cost/time required to analyze discrete samples would be excessive.

Under the composite sample method described in 40 CFR 761.289 (b)(1)(ii), an initial set of nine subsamples collected in a 5-foot by 5-foot area from the approximate center of the concrete removal area will be composited together. Subsequent subsamples will be collected from one grid interval step-out point from the initial set of subsamples and combined to form the next composite sample for each side of the rectangle. The next set of subsamples will be collected from one grid interval step-out from the previous sample locations. This approach results in the collection of concentric rings of samples throughout the cleanup area in each compass point direction.

6.5 Quality Assurance/Quality Control

Duplicate samples will be collected at a rate of one duplicate per 10 investigative samples submitted to the laboratory. Additional samples will be collected for matrix spikes and matrix spike duplicates (MS/MSDs) which will be collected at a rate of one MS/MSD per 20 investigative samples submitted to the laboratory.

Data validation will include a review of all laboratory data. All laboratory data packages will be reviewed to evaluate for completeness and conformance with project goals. Laboratory data qualifiers and quality assurance notes will be reviewed for all data reports.

6.6 Laboratory Methods

Chemical extraction of PCBs from individual samples of PCB remediation waste shall use either SW846 Method 3500B/3540C or Method 3500B/3550B. Analysis of extracts for PCBs shall use SW846 Method 8082A. Results will be reported on a dry weight basis. The performing laboratory will be certified under the California laboratory certification program.

7. Notification and Certifications

In accordance with 40 CFR §761.61(a)(3), this notification will be provided to:

Ms. Carmen Santos
PCB Coordinator
United States Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105-3920

In addition, copies of this notification will be provided to:

Mr. Jared Blumenfeld
Secretary for Environmental Protection
California Environmental Protection Agency
1001 I Street
Sacramento, CA 95812-2815

Ms. Jennifer Osorio
Division Chief
San Bernardino County, Division of Environmental Health Services
385 North Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415-0182

As required under 40 CFR §761.61 (a)(3)(i) (E) a signed certification for the remediation of bulk PCB remediation waste is provided in Appendix B.

8. Closing

This SICP has been prepared by qualified environmental professionals, under the supervision of professional engineers and geologists. Roux is available to answer any questions regarding this report. Please contact Matthew Nelson at 818-726-4265 or via email at mnelson@rouxinc.com, or Mauricio H. Escobar at 310-879-4920 or via email at mescobar@rouxinc.com.

Respectfully submitted,

ROUX ASSOCIATES, INC.

Mark Nishibayashi
Project Geologist



August 5, 2022

Matthew Nelson, P.E.
Senior Engineer

Martin Hamper, P.G.
Director/Geologist

Mauricio H. Escobar, P.G
Principal Geologist

9. References

Jamison and Associates, Inc., 2011. Southern California Edison Final Closure Demonstration Report, Etiwanda Generating Station, Retention Basin Site, San Bernardino County, California: December 2011.

Northgate Environmental Management, Inc., 2021. *Revised Final RCRA Facility Investigation Work Plan,* July 20.

TABLES

1. Summary of Polychlorinated Biphenyls in Concrete

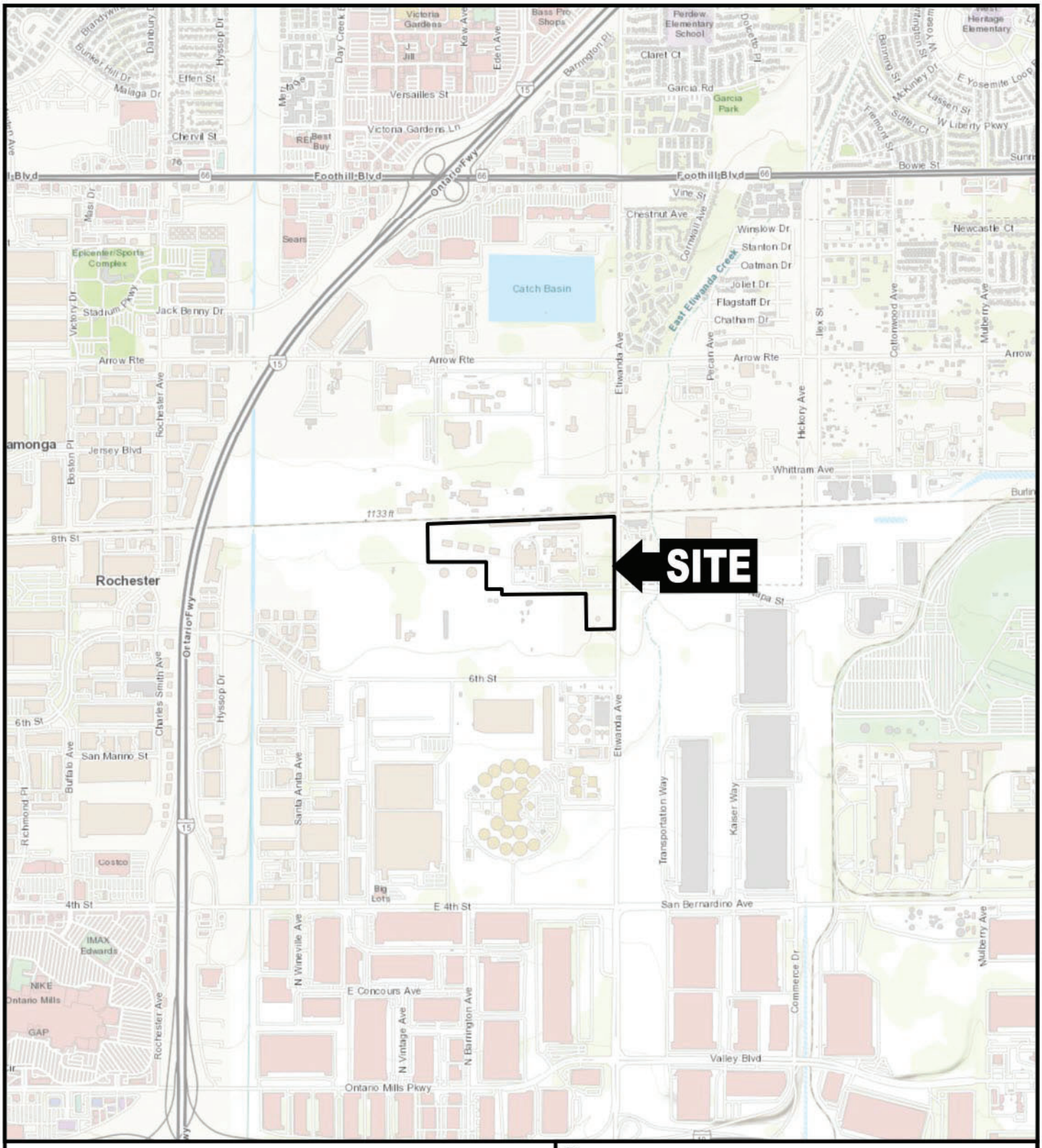
Table 1
Summary of Polychlorinated Biphenyls (PCBs) in Concrete
8996 Etiwanda Avenue, Rancho Cucamonga, CA

Sample ID	Date Sampled	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268	Total PCBs
Analytical Method		**USEPA 8082**									
Unit		**mg/kg**									
USEPA TSCA Cleanup Level		No cleanup level established									**1.0**
Unit-1/2-RT	11/30/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	4.6	<0.050	<0.050	4.6
Unit-1/2-RT_SO	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.44	<0.050	<0.050	0.44
Unit-1-SST(S)	11/12/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	110	<0.050	<0.050	110
Unit-1-SST(S)_SO	1/19/2022	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	0.26	<0.049	<0.049	0.26
Unit-2-LT	11/30/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	98	<0.050	<0.050	98
Unit-2-LT_SO-N	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	1.3	<0.050	<0.050	1.3
Unit-2-LT_SO-S	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	1.3	<0.050	<0.050	1.3
Unit-2-SST	11/30/2021	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	46	<0.050	<0.050	46
Unit-2-SST_SO-E	1/19/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.35	<0.050	<0.050	0.35
Unit-2-SST_SO-W	1/19/2022	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	2.0	<0.049	<0.049	2.0
Unit-2-SST_SO-W-N	2/1/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.58	<0.050	<0.050	0.58
Unit-2-SST_SO-W-S	2/1/2022	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	420	<5.0	<5.0	420
Unit-2-SST_SO-W-S1	2/15/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	31	<0.050	<0.050	31
Unit-2-SST_SO-W-SW	2/15/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	24	<0.050	<0.050	24
Unit-2-SST_SO-W-W	2/15/2022	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	110	<0.050	<0.050	110

Note:
USEPA TSCA = United States Environmental Protection Agency Toxic Substances Control Act
Highlight indicates concentration exceeding cleanup level
mg/kg = milligrams per kilogram

FIGURES

1. Site Location Map
2. Site Plan
3. Topographic Map
4. Summary of Previous Concrete Sample Locations, Former Transformers Units 1& 2
5. Proposed Additional Concrete Sample Locations, Former Transformers Units 1 & 2



QUADRANGLE LOCATION



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

8996 ETIWANDA AVENUE,
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

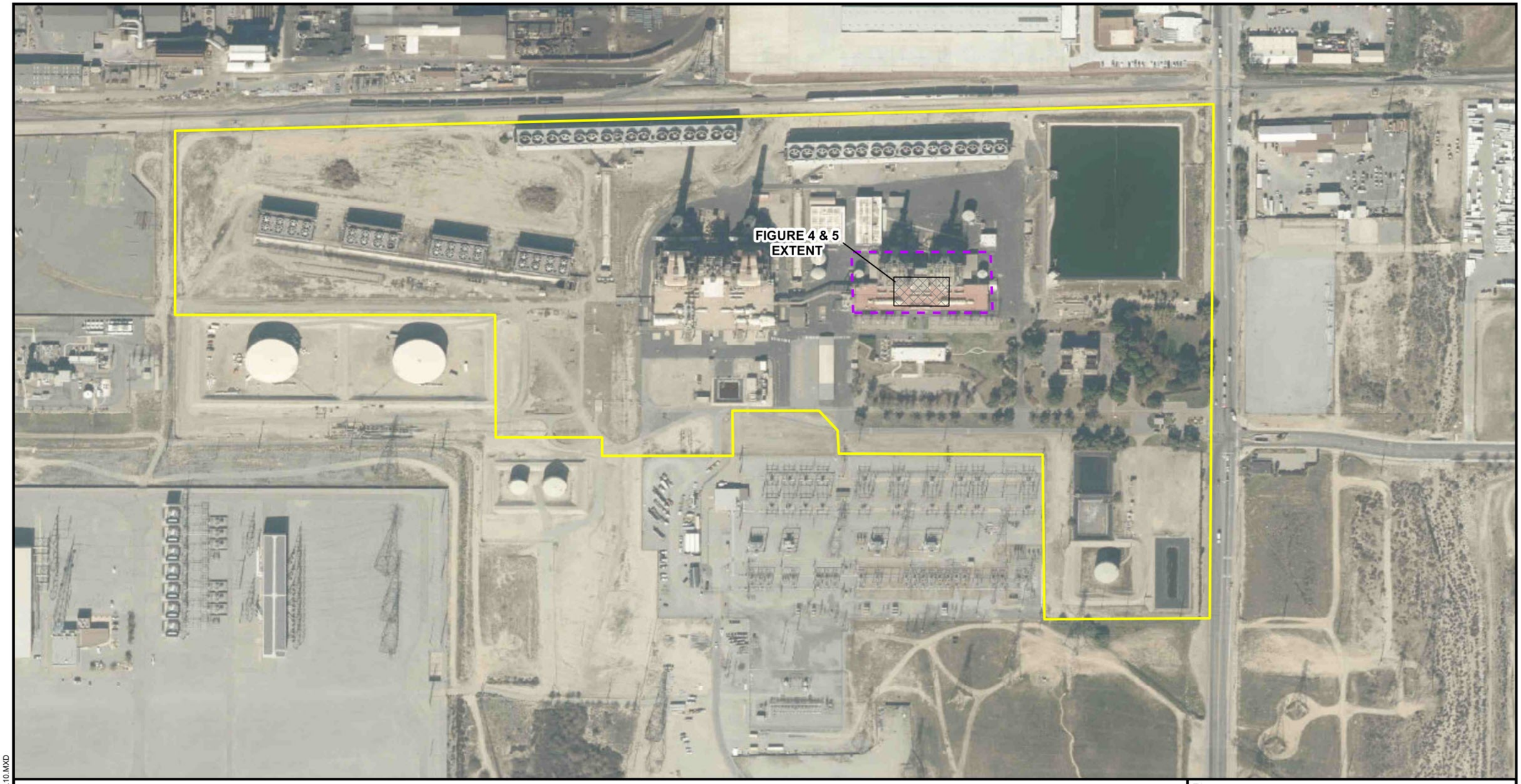
BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: O.B	Date: 04/08/21
Prepared by: O.B.	Scale: AS SHOWN
Project Mgr: J.A.	Project: 3653.0001L
File: Figure 1 - Site Location Map - BCG.mxd	

FIGURE 1

\\SRVLACAFP1\LA SHARED\CLIENTS\3653.0001L BCG CUCAMONGA MHE\09GRAPHICS\FIGURE 1 - SITE LOCATION MAP - BCG.MXD



LEGEND

UNIT 1 & 2 REMEDIATION AREA

SITE BOUNDARY

N

300 0 300'

Title:

SITE PLAN

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CALIFORNIA

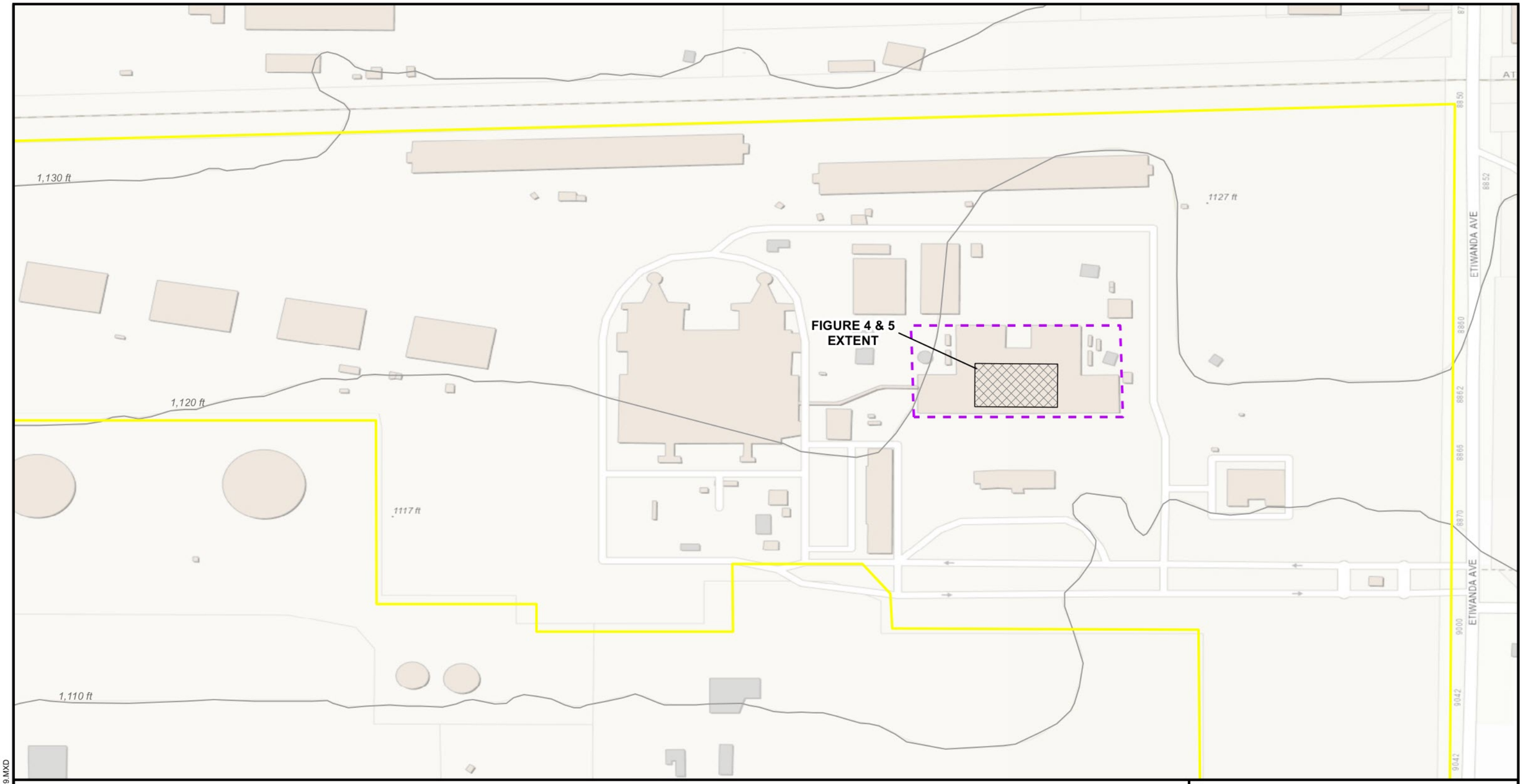
Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: M.H.N.	Date: 07/21/22	FIGURE
Prepared by: M.H.N.	Scale: AS SHOWN	2
Project Mgr: M.J.N.	Project: 3653.0001L000	
File: 3653.0001L101.10.mxd		

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LEGEND

UNIT 1 & 2 REMEDIATION AREA

SITE BOUNDARY

N

200 0 200'

Title:

TOPOGRAPHIC MAP

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CALIFORNIA

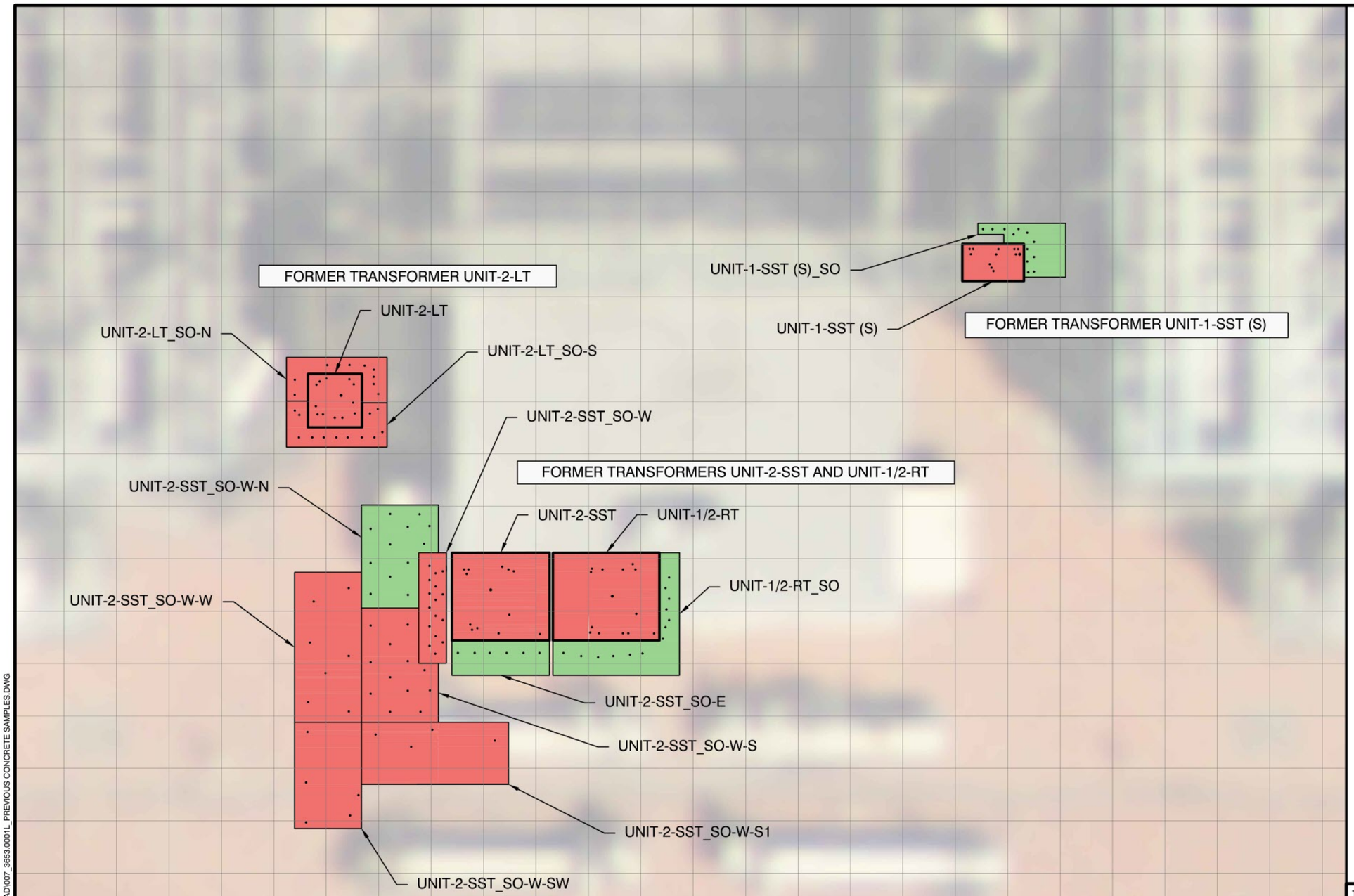
Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: M.H.N.	Date: 07/21/22	FIGURE
Prepared by: M.H.N.	Scale: AS SHOWN	3
Project Mgr: M.J.N.	Project: 3653.0001L000	
File: 3653.0001L101.9.mxd		

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LEGEND

- CONCRETE CORING LOCATION
- TOTAL PCBS > 1 MG/KG
- TOTAL PCBS < 1 MG/KG

NOTES

1. ALL CORING LOCATIONS ARE APPROXIMATE
2. GRID SPACING IS 5 FEET BY 5 FEET

N

10' 0' 10'

Title: **SUMMARY OF PREVIOUS CONCRETE SAMPLE LOCATIONS, FORMER TRANSFORMERS UNITS 1 & 2**

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

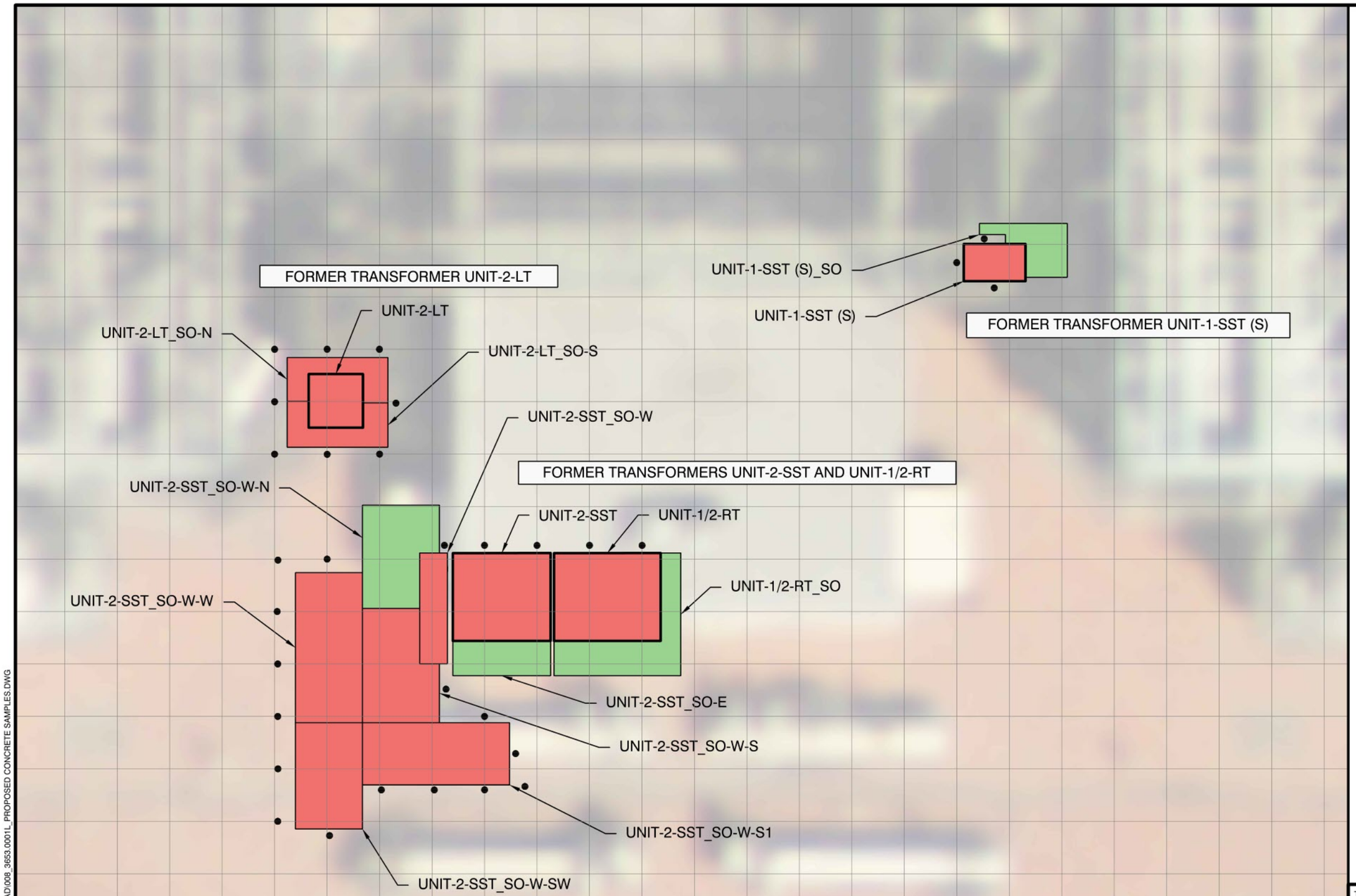
Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: D.Z.	Date: 1 JUNE 2022	FIGURE
Prepared by: D.Z.	Scale: 1" = 10'	4
Project Mgr: M.J.N.	Project: 3653.0001L000	
File: 007_3653.0001L_PREVIOUS CONCRETE SAMPLES.DWG		

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\007_3653.0001L_PREVIOUS CONCRETE SAMPLES.DWG



LEGEND

- PROPOSED CONCRETE CORING LOCATION
- TOTAL PCBS > 1 MG/KG
- TOTAL PCBS < 1 MG/KG

NOTES

1. ALL CORING LOCATIONS ARE APPROXIMATE
2. GRID SPACING IS 5 FEET BY 5 FEET

N

10' 0' 10'

Title: **PROPOSED ADDITIONAL CONCRETE SAMPLE LOCATIONS, FORMER TRANSFORMERS UNITS 1 & 2**

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: D.Z.	Date: 1 JUNE 2022	FIGURE
Prepared by: D.Z.	Scale: 1" = 10'	5
Project Mgr: M.J.N.	Project: 3653.0001L000	
File: 008_3653.0001L_PROPOSED CONCRETE SAMPLES.DWG		

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\008_3653.0001L_PROPOSED CONCRETE SAMPLES.DWG

APPENDICES

A. Laboratory Analytical Results

B. Certification

APPENDIX A

Laboratory Analytical Results

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-75768-1
Client Project/Site: Etiwanda Commerce Center / 3653.0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
11/19/2021 1:57:59 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-75768-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-75768-1

Comments
No additional comments.

Receipt
The samples were received on 11/12/2021 1:32 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.2° C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-195080 and analytical batch 570-195286 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The absolute response for Selenium was greater than the method reporting limit (RL) in the following sample: Unit-1-T-5 (570-75768-11).
The instrument raw data has been manually reviewed and the result can be reported as ND.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Client Sample ID: Unit-1-SST(S)

Lab Sample ID: 570-75768-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C7 as C7 - RA	5.2		5.0		mg/Kg	1		8015B	Total/NA
C8 as C8 - RA	22		5.0		mg/Kg	1		8015B	Total/NA
C9-C10 - RA	100		5.0		mg/Kg	1		8015B	Total/NA
C11-C12 - RA	120		5.0		mg/Kg	1		8015B	Total/NA
C13-C14 - RA	84		5.0		mg/Kg	1		8015B	Total/NA
C15-C16 - RA	35		5.0		mg/Kg	1		8015B	Total/NA
C17-C18 - RA	57		5.0		mg/Kg	1		8015B	Total/NA
C19-C20 - RA	54		5.0		mg/Kg	1		8015B	Total/NA
C21-C22 - RA	62		5.0		mg/Kg	1		8015B	Total/NA
C23-C24 - RA	120		5.0		mg/Kg	1		8015B	Total/NA
C25-C28 - RA	170		5.0		mg/Kg	1		8015B	Total/NA
C29-C32 - RA	120		5.0		mg/Kg	1		8015B	Total/NA
C33-C36 - RA	61		5.0		mg/Kg	1		8015B	Total/NA
C37-C40 - RA	22		5.0		mg/Kg	1		8015B	Total/NA
C41-C44 - RA	10		5.0		mg/Kg	1		8015B	Total/NA
C6-C44 - RA	990		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28] - RA	680		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL2	110000		25000		ug/Kg	500		8082	Total/NA
Barium	82.2	F1	0.515		mg/Kg	1		6010B	Total/NA
Beryllium	0.359		0.258		mg/Kg	1		6010B	Total/NA
Cadmium	1.07		0.515		mg/Kg	1		6010B	Total/NA
Cobalt	6.48		1.03		mg/Kg	1		6010B	Total/NA
Chromium	12.6		1.03		mg/Kg	1		6010B	Total/NA
Copper	12.6	F1	1.03		mg/Kg	1		6010B	Total/NA
Nickel	11.2		0.515		mg/Kg	1		6010B	Total/NA
Vanadium	31.0		1.03		mg/Kg	1		6010B	Total/NA
Zinc	65.5		10.3		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1-LT(N)

Lab Sample ID: 570-75768-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	5.5		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	7.3		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	6.3		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	14		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	7.2		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	61		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	35		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260	600		50		ug/Kg	1		8082	Total/NA
Barium	71.6		0.508		mg/Kg	1		6010B	Total/NA
Beryllium	0.350		0.254		mg/Kg	1		6010B	Total/NA
Cadmium	0.736		0.508		mg/Kg	1		6010B	Total/NA
Cobalt	3.95		1.02		mg/Kg	1		6010B	Total/NA
Chromium	11.9		1.02		mg/Kg	1		6010B	Total/NA
Copper	9.13		1.02		mg/Kg	1		6010B	Total/NA
Nickel	8.03		0.508		mg/Kg	1		6010B	Total/NA
Vanadium	24.4		1.02		mg/Kg	1		6010B	Total/NA
Zinc	31.5		10.2		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Client Sample ID: Unit-2-T-1
Lab Sample ID: 570-75768-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C14 - DL	63		50		mg/Kg	10		8015B	Total/NA
C15-C16 - DL	570		50		mg/Kg	10		8015B	Total/NA
C17-C18 - DL	1900		50		mg/Kg	10		8015B	Total/NA
C19-C20 - DL	2500		50		mg/Kg	10		8015B	Total/NA
C21-C22 - DL	1800		50		mg/Kg	10		8015B	Total/NA
C23-C24 - DL	1300		50		mg/Kg	10		8015B	Total/NA
C25-C28 - DL	1000		50		mg/Kg	10		8015B	Total/NA
C29-C32 - DL	320		50		mg/Kg	10		8015B	Total/NA
C33-C36 - DL	110		50		mg/Kg	10		8015B	Total/NA
C37-C40 - DL	64		50		mg/Kg	10		8015B	Total/NA
C6-C44 - DL	9400		50		mg/Kg	10		8015B	Total/NA
Diesel Range Organics [C10-C28] - DL	9000		50		mg/Kg	10		8015B	Total/NA
Aroclor-1260	130		50		ug/Kg	1		8082	Total/NA
Barium	73.6		0.503		mg/Kg	1		6010B	Total/NA
Beryllium	0.365		0.251		mg/Kg	1		6010B	Total/NA
Cadmium	0.924		0.503		mg/Kg	1		6010B	Total/NA
Cobalt	5.71		1.01		mg/Kg	1		6010B	Total/NA
Chromium	17.7		1.01		mg/Kg	1		6010B	Total/NA
Copper	14.1		1.01		mg/Kg	1		6010B	Total/NA
Nickel	16.1		0.503		mg/Kg	1		6010B	Total/NA
Vanadium	28.5		1.01		mg/Kg	1		6010B	Total/NA
Zinc	107		10.1		mg/Kg	1		6010B	Total/NA
Lead	5.04		5.03		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-T-2
Lab Sample ID: 570-75768-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	21		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	14		5.0		mg/Kg	1		8015B	Total/NA
Barium	81.6		0.500		mg/Kg	1		6010B	Total/NA
Beryllium	0.361		0.250		mg/Kg	1		6010B	Total/NA
Cadmium	0.990		0.500		mg/Kg	1		6010B	Total/NA
Cobalt	6.56		1.00		mg/Kg	1		6010B	Total/NA
Chromium	16.5		1.00		mg/Kg	1		6010B	Total/NA
Copper	21.3		1.00		mg/Kg	1		6010B	Total/NA
Nickel	17.8		0.500		mg/Kg	1		6010B	Total/NA
Vanadium	31.6		1.00		mg/Kg	1		6010B	Total/NA
Zinc	247		10.0		mg/Kg	1		6010B	Total/NA
Lead	9.44		5.00		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-T-3
Lab Sample ID: 570-75768-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C17-C18	6.8		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	13		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	15		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	11		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	16		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	10		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	7.5		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	92		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	61		5.0		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-2-T-3 (Continued)
Lab Sample ID: 570-75768-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	74.8		0.510		mg/Kg	1		6010B	Total/NA
Beryllium	0.348		0.255		mg/Kg	1		6010B	Total/NA
Cadmium	1.03		0.510		mg/Kg	1		6010B	Total/NA
Cobalt	5.98		1.02		mg/Kg	1		6010B	Total/NA
Chromium	16.1		1.02		mg/Kg	1		6010B	Total/NA
Copper	24.8		1.02		mg/Kg	1		6010B	Total/NA
Nickel	14.5		0.510		mg/Kg	1		6010B	Total/NA
Vanadium	29.1		1.02		mg/Kg	1		6010B	Total/NA
Zinc	268		10.2		mg/Kg	1		6010B	Total/NA
Lead	5.51		5.10		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-T-4
Lab Sample ID: 570-75768-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	12		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	7.7		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	2.78		2.46		mg/Kg	1		6010B	Total/NA
Barium	67.4		0.493		mg/Kg	1		6010B	Total/NA
Beryllium	0.463		0.246		mg/Kg	1		6010B	Total/NA
Cadmium	0.869		0.493		mg/Kg	1		6010B	Total/NA
Cobalt	4.32		0.985		mg/Kg	1		6010B	Total/NA
Chromium	14.4		0.985		mg/Kg	1		6010B	Total/NA
Copper	25.6		0.985		mg/Kg	1		6010B	Total/NA
Nickel	30.7		0.493		mg/Kg	1		6010B	Total/NA
Vanadium	70.6		0.985		mg/Kg	1		6010B	Total/NA
Zinc	413		9.85		mg/Kg	1		6010B	Total/NA
Lead	18.0		4.93		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1-T-1
Lab Sample ID: 570-75768-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C14 - DL	26		25		mg/Kg	5		8015B	Total/NA
C15-C16 - DL	170		25		mg/Kg	5		8015B	Total/NA
C17-C18 - DL	430		25		mg/Kg	5		8015B	Total/NA
C19-C20 - DL	530		25		mg/Kg	5		8015B	Total/NA
C21-C22 - DL	430		25		mg/Kg	5		8015B	Total/NA
C23-C24 - DL	340		25		mg/Kg	5		8015B	Total/NA
C25-C28 - DL	220		25		mg/Kg	5		8015B	Total/NA
C29-C32 - DL	43		25		mg/Kg	5		8015B	Total/NA
C6-C44 - DL	2100		25		mg/Kg	5		8015B	Total/NA
Diesel Range Organics [C10-C28] - DL	2100		25		mg/Kg	5		8015B	Total/NA
Barium	87.5		0.513		mg/Kg	1		6010B	Total/NA
Beryllium	0.417		0.256		mg/Kg	1		6010B	Total/NA
Cadmium	1.99		0.513		mg/Kg	1		6010B	Total/NA
Cobalt	7.33		1.03		mg/Kg	1		6010B	Total/NA
Chromium	18.4		1.03		mg/Kg	1		6010B	Total/NA
Copper	39.3		1.03		mg/Kg	1		6010B	Total/NA
Nickel	30.0		0.513		mg/Kg	1		6010B	Total/NA
Vanadium	45.4		1.03		mg/Kg	1		6010B	Total/NA
Zinc	251		10.3		mg/Kg	1		6010B	Total/NA
Lead	26.5		5.13		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Client Sample ID: Unit-1-T-2

Lab Sample ID: 570-75768-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C33-C36	5.0		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	29		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	13		5.0		mg/Kg	1		8015B	Total/NA
Barium	54.0		0.490		mg/Kg	1		6010B	Total/NA
Beryllium	0.287		0.245		mg/Kg	1		6010B	Total/NA
Cadmium	0.843		0.490		mg/Kg	1		6010B	Total/NA
Cobalt	4.53		0.980		mg/Kg	1		6010B	Total/NA
Chromium	12.0		0.980		mg/Kg	1		6010B	Total/NA
Copper	22.8		0.980		mg/Kg	1		6010B	Total/NA
Nickel	9.63		0.490		mg/Kg	1		6010B	Total/NA
Vanadium	24.3		0.980		mg/Kg	1		6010B	Total/NA
Zinc	158		9.80		mg/Kg	1		6010B	Total/NA
Lead	8.16		4.90		mg/Kg	1		6010B	Total/NA
Mercury	0.350		0.0833		mg/Kg	1		7471A	Total/NA

Client Sample ID: Unit-1-T-3

Lab Sample ID: 570-75768-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C15-C16	17		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	54		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	110		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	160		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	130		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	130		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	53		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	22		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	10		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	680		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	600		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	2.72		2.54		mg/Kg	1		6010B	Total/NA
Barium	53.8		0.508		mg/Kg	1		6010B	Total/NA
Cadmium	0.704		0.508		mg/Kg	1		6010B	Total/NA
Cobalt	3.69		1.02		mg/Kg	1		6010B	Total/NA
Chromium	10.6		1.02		mg/Kg	1		6010B	Total/NA
Copper	26.1		1.02		mg/Kg	1		6010B	Total/NA
Nickel	8.63		0.508		mg/Kg	1		6010B	Total/NA
Vanadium	21.0		1.02		mg/Kg	1		6010B	Total/NA
Zinc	183		10.2		mg/Kg	1		6010B	Total/NA
Lead	8.58		5.08		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1-T-4

Lab Sample ID: 570-75768-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C17-C18	160		25		mg/Kg	5		8015B	Total/NA
C19-C20	380		25		mg/Kg	5		8015B	Total/NA
C21-C22	590		25		mg/Kg	5		8015B	Total/NA
C23-C24	490		25		mg/Kg	5		8015B	Total/NA
C25-C28	360		25		mg/Kg	5		8015B	Total/NA
C6-C44	2100		25		mg/Kg	5		8015B	Total/NA
Diesel Range Organics [C10-C28]	2000		25		mg/Kg	5		8015B	Total/NA
Aroclor-1260	58		50		ug/Kg	1		8082	Total/NA
Barium	52.7		0.476		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-1-T-4 (Continued)
Lab Sample ID: 570-75768-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.272		0.238		mg/Kg	1		6010B	Total/NA
Cadmium	0.723		0.476		mg/Kg	1		6010B	Total/NA
Cobalt	4.41		0.952		mg/Kg	1		6010B	Total/NA
Chromium	11.4		0.952		mg/Kg	1		6010B	Total/NA
Copper	12.2		0.952		mg/Kg	1		6010B	Total/NA
Nickel	9.05		0.476		mg/Kg	1		6010B	Total/NA
Vanadium	23.8		0.952		mg/Kg	1		6010B	Total/NA
Zinc	165		9.52		mg/Kg	1		6010B	Total/NA
Lead	9.41		4.76		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1-T-5
Lab Sample ID: 570-75768-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C14 - DL	63		50		mg/Kg	10		8015B	Total/NA
C15-C16 - DL	520		50		mg/Kg	10		8015B	Total/NA
C17-C18 - DL	1700		50		mg/Kg	10		8015B	Total/NA
C19-C20 - DL	1900		50		mg/Kg	10		8015B	Total/NA
C21-C22 - DL	1300		50		mg/Kg	10		8015B	Total/NA
C23-C24 - DL	860		50		mg/Kg	10		8015B	Total/NA
C25-C28 - DL	590		50		mg/Kg	10		8015B	Total/NA
C29-C32 - DL	150		50		mg/Kg	10		8015B	Total/NA
C33-C36 - DL	73		50		mg/Kg	10		8015B	Total/NA
C37-C40 - DL	70		50		mg/Kg	10		8015B	Total/NA
C41-C44 - DL	96		50		mg/Kg	10		8015B	Total/NA
C6-C44 - DL	7000		50		mg/Kg	10		8015B	Total/NA
Diesel Range Organics [C10-C28] - DL	6700		50		mg/Kg	10		8015B	Total/NA
Arsenic	7.28		2.50		mg/Kg	1		6010B	Total/NA
Barium	76.9		0.500		mg/Kg	1		6010B	Total/NA
Beryllium	0.393		0.250		mg/Kg	1		6010B	Total/NA
Cadmium	3.26		0.500		mg/Kg	1		6010B	Total/NA
Cobalt	7.20		1.00		mg/Kg	1		6010B	Total/NA
Chromium	16.4		1.00		mg/Kg	1		6010B	Total/NA
Copper	110		1.00		mg/Kg	1		6010B	Total/NA
Nickel	26.9		0.500		mg/Kg	1		6010B	Total/NA
Vanadium	36.2		1.00		mg/Kg	1		6010B	Total/NA
Zinc	1070		10.0		mg/Kg	1		6010B	Total/NA
Lead	34.9		5.00		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1-LT(N)
Date Collected: 11/12/21 07:48
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C15-C16	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C17-C18	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C19-C20	**5.5**		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C21-C22	**7.3**		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C23-C24	**6.3**		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C25-C28	**14**		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C29-C32	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C33-C36	**7.2**		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C37-C40	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
C6-C44	**61**		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1
Diesel Range Organics [C10-C28]	**35**		5.0		mg/Kg		11/15/21 11:41	11/16/21 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*118*		*60 - 138*	*11/15/21 11:41*	*11/16/21 15:15*	*1*

Client Sample ID: Unit-2-T-2
Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C15-C16	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C17-C18	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C19-C20	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C21-C22	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C23-C24	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C25-C28	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C29-C32	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C33-C36	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C37-C40	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
C6-C44	**21**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1
Diesel Range Organics [C10-C28]	**14**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*60 - 138*	*11/15/21 11:41*	*11/16/21 16:01*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-T-3
Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C15-C16	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C17-C18	**6.8**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C19-C20	**13**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C21-C22	**15**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C23-C24	**11**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C25-C28	**16**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C29-C32	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C33-C36	**10**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C37-C40	**7.5**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
C6-C44	**92**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1
Diesel Range Organics [C10-C28]	**61**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*118*		*60 - 138*	*11/15/21 11:41*	*11/16/21 16:23*	*1*

Client Sample ID: Unit-2-T-4
Date Collected: 11/12/21 09:12
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C15-C16	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C17-C18	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C19-C20	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C21-C22	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C23-C24	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C25-C28	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C29-C32	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C33-C36	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C37-C40	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
C6-C44	**12**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1
Diesel Range Organics [C10-C28]	**7.7**		5.0		mg/Kg		11/15/21 11:41	11/16/21 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*114*		*60 - 138*	*11/15/21 11:41*	*11/16/21 16:46*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C15-C16	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C17-C18	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C19-C20	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C21-C22	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C23-C24	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C25-C28	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C29-C32	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C33-C36	**5.0**		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C37-C40	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
C6-C44	**29**		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1
Diesel Range Organics [C10-C28]	**13**		5.0		mg/Kg		11/15/21 11:41	11/16/21 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*98*		*60 - 138*	*11/15/21 11:41*	*11/16/21 17:31*	*1*

Client Sample ID: Unit-1-T-3
Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C15-C16	**17**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C17-C18	**54**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C19-C20	**110**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C21-C22	**160**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C23-C24	**130**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C25-C28	**130**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C29-C32	**53**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C33-C36	**22**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C37-C40	**10**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
C6-C44	**680**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1
Diesel Range Organics [C10-C28]	**600**		5.0		mg/Kg		11/15/21 11:41	11/16/21 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*60 - 138*	*11/15/21 11:41*	*11/16/21 18:02*	*1*

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1-T-4
Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C7 as C7	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C8 as C8	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C9-C10	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C11-C12	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C13-C14	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C15-C16	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C17-C18	**160**		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C19-C20	**380**		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C21-C22	**590**		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C23-C24	**490**		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C25-C28	**360**		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C29-C32	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C33-C36	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C37-C40	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C41-C44	ND		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
C6-C44	**2100**		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5
Diesel Range Organics [C10-C28]	**2000**		25		mg/Kg		11/15/21 11:41	11/16/21 21:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*60 - 138*	*11/15/21 11:41*	*11/16/21 21:53*	*5*

Method: 8015B - Diesel Range Organics (DRO) (GC) - DL

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C7 as C7	ND		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C8 as C8	ND		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C9-C10	ND		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C11-C12	ND		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C13-C14	**63**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C15-C16	**570**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C17-C18	**1900**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C19-C20	**2500**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C21-C22	**1800**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C23-C24	**1300**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C25-C28	**1000**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C29-C32	**320**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C33-C36	**110**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C37-C40	**64**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C41-C44	ND		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
C6-C44	**9400**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10
Diesel Range Organics [C10-C28]	**9000**		50		mg/Kg		11/15/21 11:41	11/17/21 05:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*131*		*60 - 138*	*11/15/21 11:41*	*11/17/21 05:00*	*10*

Client Sample ID: Unit-1-T-1
Date Collected: 11/12/21 09:35
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C7 as C7	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C8 as C8	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C9-C10	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C11-C12	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C13-C14	**26**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C15-C16	**170**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C17-C18	**430**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C19-C20	**530**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C21-C22	**430**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C23-C24	**340**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C25-C28	**220**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C29-C32	**43**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C33-C36	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C37-C40	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C41-C44	ND		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
C6-C44	**2100**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5
Diesel Range Organics [C10-C28]	**2100**		25		mg/Kg		11/15/21 11:41	11/17/21 05:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*113*		*60 - 138*	*11/15/21 11:41*	*11/17/21 05:28*	*5*

Method: 8015B - Diesel Range Organics (DRO) (GC) - DL

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C7 as C7	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C8 as C8	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C9-C10	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C11-C12	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C13-C14	**63**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C15-C16	**520**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C17-C18	**1700**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C19-C20	**1900**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C21-C22	**1300**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C23-C24	**860**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C25-C28	**590**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C29-C32	**150**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C33-C36	**73**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C37-C40	**70**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C41-C44	**96**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C6-C44	**7000**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
Diesel Range Organics [C10-C28]	**6700**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*60 - 138*	*11/15/21 09:38*	*11/17/21 05:54*	*10*

Method: 8015B - Diesel Range Organics (DRO) (GC) - RA

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C7 as C7	**5.2**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C8 as C8	**22**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C9-C10	**100**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C11-C12	**120**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C13-C14	**84**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C15-C16	**35**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C17-C18	**57**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C19-C20	**54**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C21-C22	**62**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C23-C24	**120**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C25-C28	**170**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C29-C32	**120**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C33-C36	**61**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C37-C40	**22**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C41-C44	**10**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C6-C44	**990**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
Diesel Range Organics [C10-C28]	**680**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*104*		*60 - 138*	*11/15/21 11:41*	*11/17/21 04:33*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*	*11/15/21 16:07*	*11/16/21 18:08*	*1*
DCB Decachlorobiphenyl (Surr)	*122*		*20 - 155*	*11/15/21 16:07*	*11/16/21 18:08*	*1*

Client Sample ID: Unit-1-LT(N)
Date Collected: 11/12/21 07:48
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1260	**600**		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*69*		*25 - 126*	*11/15/21 16:07*	*11/16/21 18:26*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*	*11/15/21 16:07*	*11/16/21 18:26*	*1*

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1260	**130**		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*63*		*25 - 126*	*11/15/21 16:07*	*11/16/21 18:44*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*20 - 155*	*11/15/21 16:07*	*11/16/21 18:44*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-T-2
Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:02*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:02*	*1*

Client Sample ID: Unit-2-T-3
Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*55*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:20*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:20*	*1*

Client Sample ID: Unit-2-T-4
Date Collected: 11/12/21 09:12
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:38*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:38*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-T-1
Date Collected: 11/12/21 09:35
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*64*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:56*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:56*	*1*

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*11/15/21 16:07*	*11/16/21 20:14*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*20 - 155*	*11/15/21 16:07*	*11/16/21 20:14*	*1*

Client Sample ID: Unit-1-T-3
Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*49*		*25 - 126*	*11/15/21 16:07*	*11/16/21 20:31*	*1*
DCB Decachlorobiphenyl (Surr)	*61*		*20 - 155*	*11/15/21 16:07*	*11/16/21 20:31*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-T-4
Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1260	**58**		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*11/15/21 16:07*	*11/16/21 20:50*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*	*11/15/21 16:07*	*11/16/21 20:50*	*1*

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*60*		*25 - 126*	*11/15/21 16:07*	*11/16/21 21:07*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*20 - 155*	*11/15/21 16:07*	*11/16/21 21:07*	*1*

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	110000		25000		ug/Kg		11/15/21 16:07	11/17/21 10:37	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 126*	*11/15/21 16:07*	*11/17/21 10:37*	*500*
DCB Decachlorobiphenyl (Surr)	*123*		*20 - 155*	*11/15/21 16:07*	*11/17/21 10:37*	*500*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Arsenic	ND		2.58		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Barium	**82.2**	**F1**	0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Beryllium	**0.359**		0.258		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Cadmium	**1.07**		0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Cobalt	**6.48**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Chromium	**12.6**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Copper	**12.6**	**F1**	1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Molybdenum	ND		0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Nickel	**11.2**		0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Antimony	ND	F1	3.09		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Selenium	ND		5.15		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Thallium	ND		5.15		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Vanadium	**31.0**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Zinc	**65.5**		10.3		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Lead	ND		5.15		mg/Kg		11/18/21 05:10	11/18/21 14:15	1

Client Sample ID: Unit-1-LT(N)
Date Collected: 11/12/21 07:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Arsenic	ND		2.54		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Barium	**71.6**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Beryllium	**0.350**		0.254		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Cadmium	**0.736**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Cobalt	**3.95**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Chromium	**11.9**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Copper	**9.13**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Molybdenum	ND		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Nickel	**8.03**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Antimony	ND		3.05		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Selenium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Thallium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Vanadium	**24.4**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Zinc	**31.5**		10.2		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Lead	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:22	1

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Arsenic	ND		2.51		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Barium	**73.6**		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Beryllium	**0.365**		0.251		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Cadmium	**0.924**		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Cobalt	**5.71**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Chromium	**17.7**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Copper	**14.1**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Nickel	**16.1**		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Antimony	ND		3.02		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Selenium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Thallium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Vanadium	**28.5**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Zinc	**107**		10.1		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Lead	**5.04**		5.03		mg/Kg		11/18/21 05:10	11/18/21 14:24	1

Client Sample ID: Unit-2-T-2
Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Arsenic	ND		2.50		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Barium	**81.6**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Beryllium	**0.361**		0.250		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Cadmium	**0.990**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Cobalt	**6.56**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Chromium	**16.5**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Copper	**21.3**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Molybdenum	ND		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Nickel	**17.8**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Antimony	ND		3.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Selenium	ND		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Thallium	ND		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Vanadium	**31.6**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Zinc	**247**		10.0		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Lead	**9.44**		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1

Client Sample ID: Unit-2-T-3
Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Arsenic	ND		2.55		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Barium	**74.8**		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Beryllium	**0.348**		0.255		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Cadmium	**1.03**		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Cobalt	**5.98**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Chromium	**16.1**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Copper	**24.8**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Molybdenum	ND		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Nickel	**14.5**		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Antimony	ND		3.06		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Selenium	ND		5.10		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Thallium	ND		5.10		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Vanadium	**29.1**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Zinc	**268**		10.2		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Lead	**5.51**		5.10		mg/Kg		11/18/21 05:10	11/18/21 14:29	1

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-T-4
Date Collected: 11/12/21 09:12
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Arsenic	**2.78**		2.46		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Barium	**67.4**		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Beryllium	**0.463**		0.246		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Cadmium	**0.869**		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Cobalt	**4.32**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Chromium	**14.4**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Copper	**25.6**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Molybdenum	ND		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Nickel	**30.7**		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Antimony	ND		2.96		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Selenium	ND		4.93		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Thallium	ND		4.93		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Vanadium	**70.6**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Zinc	**413**		9.85		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Lead	**18.0**		4.93		mg/Kg		11/18/21 05:10	11/18/21 14:31	1

Client Sample ID: Unit-1-T-1
Date Collected: 11/12/21 09:35
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Arsenic	ND		2.56		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Barium	**87.5**		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Beryllium	**0.417**		0.256		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Cadmium	**1.99**		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Cobalt	**7.33**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Chromium	**18.4**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Copper	**39.3**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Molybdenum	ND		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Nickel	**30.0**		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Antimony	ND		3.08		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Selenium	ND		5.13		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Thallium	ND		5.13		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Vanadium	**45.4**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Zinc	**251**		10.3		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Lead	**26.5**		5.13		mg/Kg		11/18/21 05:10	11/18/21 14:34	1

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Arsenic	ND		2.45		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Barium	**54.0**		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Beryllium	**0.287**		0.245		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Cadmium	**0.843**		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Cobalt	**4.53**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Chromium	**12.0**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Copper	**22.8**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Nickel	**9.63**		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Antimony	ND		2.94		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Selenium	ND		4.90		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Thallium	ND		4.90		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Vanadium	**24.3**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Zinc	**158**		9.80		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Lead	**8.16**		4.90		mg/Kg		11/18/21 05:10	11/18/21 14:36	1

Client Sample ID: Unit-1-T-3
Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Arsenic	**2.72**		2.54		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Barium	**53.8**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Beryllium	ND		0.254		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Cadmium	**0.704**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Cobalt	**3.69**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Chromium	**10.6**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Copper	**26.1**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Molybdenum	ND		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Nickel	**8.63**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Antimony	ND		3.05		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Selenium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Thallium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Vanadium	**21.0**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Zinc	**183**		10.2		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Lead	**8.58**		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:53	1

Client Sample ID: Unit-1-T-4
Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Arsenic	ND		2.38		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Barium	**52.7**		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Beryllium	**0.272**		0.238		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Cadmium	**0.723**		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Cobalt	**4.41**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Chromium	**11.4**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Copper	**12.2**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Molybdenum	ND		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Nickel	**9.05**		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Antimony	ND		2.86		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Selenium	ND		4.76		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Thallium	ND		4.76		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Vanadium	**23.8**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Zinc	**165**		9.52		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Lead	**9.41**		4.76		mg/Kg		11/18/21 05:10	11/18/21 14:55	1

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Arsenic	**7.28**		2.50		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Barium	**76.9**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Beryllium	**0.393**		0.250		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Cadmium	**3.26**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Cobalt	**7.20**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Chromium	**16.4**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Copper	**110**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Molybdenum	ND		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Nickel	**26.9**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Antimony	ND		3.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Selenium	ND	L	5.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Thallium	ND		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Vanadium	**36.2**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Zinc	**1070**		10.0		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Lead	**34.9**		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/18/21 05:53	11/18/21 11:27	1

Client Sample ID: Unit-1-LT(N)
Date Collected: 11/12/21 07:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/18/21 05:53	11/18/21 11:32	1

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		11/18/21 05:53	11/18/21 11:34	1

Client Sample ID: Unit-2-T-2
Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877		mg/Kg		11/18/21 05:53	11/18/21 11:36	1

Client Sample ID: Unit-2-T-3
Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		11/18/21 05:53	11/18/21 11:38	1

Client Sample ID: Unit-2-T-4
Date Collected: 11/12/21 09:12
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		11/18/21 05:53	11/18/21 11:43	1

Client Sample ID: Unit-1-T-1
Date Collected: 11/12/21 09:35
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/18/21 05:53	11/18/21 11:45	1

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.350**		0.0833		mg/Kg		11/18/21 05:53	11/18/21 11:47	1

Client Sample ID: Unit-1-T-3
Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		11/18/21 05:53	11/18/21 11:49	1

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-1-T-4
Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		11/18/21 05:53	11/18/21 11:51	1

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		11/18/21 05:53	11/18/21 11:53	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
440-291495-A-1-A MS	Matrix Spike	104
440-291495-A-1-B MSD	Matrix Spike Duplicate	130
570-75742-A-5-A MS	Matrix Spike	113
570-75742-A-5-B MSD	Matrix Spike Duplicate	111
570-75768-1 - RA	Unit-1-SST(S)	104
570-75768-2	Unit-1-LT(N)	118
570-75768-3 - DL	Unit-2-T-1	131
570-75768-4	Unit-2-T-2	109
570-75768-5	Unit-2-T-3	118
570-75768-6	Unit-2-T-4	114
570-75768-7 - DL	Unit-1-T-1	113
570-75768-8	Unit-1-T-2	98
570-75768-9	Unit-1-T-3	109
570-75768-10	Unit-1-T-4	120
570-75768-11 - DL	Unit-1-T-5	120
LCS 570-194244/2-A	Lab Control Sample	108
LCS 570-194295/2-A	Lab Control Sample	111
LCSD 570-194244/3-A	Lab Control Sample Dup	116
LCSD 570-194295/3-A	Lab Control Sample Dup	113
MB 570-194244/1-A	Method Blank	120
MB 570-194295/1-A	Method Blank	112

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
570-75768-1	Unit-1-SST(S)	79	122
570-75768-1 - DL2	Unit-1-SST(S)	96	123
570-75768-2	Unit-1-LT(N)	69	82
570-75768-3	Unit-2-T-1	63	72
570-75768-4	Unit-2-T-2	71	83
570-75768-5	Unit-2-T-3	55	69
570-75768-6	Unit-2-T-4	68	86
570-75768-7	Unit-1-T-1	64	79
570-75768-8	Unit-1-T-2	66	81
570-75768-9	Unit-1-T-3	49	61
570-75768-10	Unit-1-T-4	66	78
570-75768-11	Unit-1-T-5	60	73
570-75838-A-2-B MS	Matrix Spike	78	70
570-75838-A-2-C MSD	Matrix Spike Duplicate	80	87
LCS 570-194353/2-A	Lab Control Sample	77	67
LCSD 570-194353/3-A	Lab Control Sample Dup	85	78
MB 570-194353/1-A	Method Blank	87	100

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

Surrogate Summary

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-194244/1-A
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C9-C10	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C11-C12	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C13-C14	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C15-C16	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C17-C18	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C19-C20	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C21-C22	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C23-C24	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C25-C28	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C29-C32	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C33-C36	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C37-C40	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C41-C44	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C6-C44	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*60 - 138*	*11/15/21 09:38*	*11/15/21 17:17*	*1*

Lab Sample ID: LCS 570-194244/2-A
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	447.6		mg/Kg		112	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: LCSD 570-194244/3-A
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	478.6		mg/Kg		120	80 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*116*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-291495-A-1-A MS
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		397	505.6		mg/Kg		127	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Lab Sample ID: 440-291495-A-1-B MSD
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		396	515.9		mg/Kg		130	43 - 165	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*130*		*60 - 138*

Lab Sample ID: MB 570-194295/1-A
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C15-C16	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C17-C18	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C19-C20	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C21-C22	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C23-C24	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C25-C28	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C29-C32	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C33-C36	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C37-C40	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C6-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 138*	*11/15/21 11:41*	*11/16/21 13:44*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-194295/2-A
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194295

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	441.9		mg/Kg		110	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*111*		*60 - 138*

Lab Sample ID: LCSD 570-194295/3-A
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194295

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	452.4		mg/Kg		113	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*113*		*60 - 138*

Lab Sample ID: 570-75742-A-5-A MS
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	13		399	455.4		mg/Kg		111	43 - 165		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*113*		*60 - 138*

Lab Sample ID: 570-75742-A-5-B MSD
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	13		399	449.7		mg/Kg		109	43 - 165	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*111*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-194353/1-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 570-194353/1-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 126*	*11/15/21 16:07*	*11/16/21 12:45*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*20 - 155*	*11/15/21 16:07*	*11/16/21 12:45*	*1*

Lab Sample ID: LCS 570-194353/2-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	82.97		ug/Kg		83	50 - 142
Aroclor-1260	100	76.18		ug/Kg		76	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*77*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*67*		*20 - 155*

Lab Sample ID: LCSD 570-194353/3-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194353

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	100	99.59		ug/Kg		100	50 - 142	18	30
Aroclor-1260	100	86.54		ug/Kg		87	50 - 150	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*85*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*

Lab Sample ID: 570-75838-A-2-B MS
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194353

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.3	90.02		ug/Kg		91	20 - 175
Aroclor-1260	ND		99.3	81.22		ug/Kg		82	20 - 180

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*70*		*20 - 155*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 570-75838-A-2-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 194476 — **Prep Batch: 194353**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.5	96.73		ug/Kg		97	20 - 175	7	40
Aroclor-1260	ND		99.5	96.30		ug/Kg		97	20 - 180	17	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*80*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*87*		*20 - 155*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-195080/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 195286 — **Prep Batch: 195080**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Arsenic	ND		2.51		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Barium	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Beryllium	ND		0.251		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Cadmium	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Cobalt	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Chromium	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Copper	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Molybdenum	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Nickel	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Antimony	ND		3.02		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Selenium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Thallium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Vanadium	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Zinc	ND		10.1		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Lead	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 13:59	1

Lab Sample ID: LCS 570-195080/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 195286 — **Prep Batch: 195080**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.3	11.09		mg/Kg		90	80 - 120
Arsenic	24.6	22.61		mg/Kg		92	80 - 120
Barium	24.6	28.02		mg/Kg		114	80 - 120
Beryllium	24.6	25.35		mg/Kg		103	80 - 120
Cadmium	24.6	26.33		mg/Kg		107	80 - 120
Cobalt	24.6	26.06		mg/Kg		106	80 - 120
Chromium	24.6	25.53		mg/Kg		104	80 - 120
Copper	24.6	25.56		mg/Kg		104	80 - 120
Molybdenum	24.7	23.67		mg/Kg		96	80 - 120
Nickel	24.6	26.84		mg/Kg		109	80 - 120
Antimony	24.6	25.30		mg/Kg		103	80 - 120
Selenium	24.6	25.76		mg/Kg		105	80 - 120
Thallium	24.6	27.76		mg/Kg		113	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-195080/2-A
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	24.6	25.90		mg/Kg		105	80 - 120
Zinc	24.6	26.31		mg/Kg		107	80 - 120
Lead	24.6	27.08		mg/Kg		110	80 - 120

Lab Sample ID: LCSD 570-195080/3-A
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.5	11.35		mg/Kg		91	80 - 120	2	20
Arsenic	25.0	23.14		mg/Kg		93	80 - 120	2	20
Barium	25.0	28.55		mg/Kg		114	80 - 120	2	20
Beryllium	25.0	25.85		mg/Kg		103	80 - 120	2	20
Cadmium	25.0	26.96		mg/Kg		108	80 - 120	2	20
Cobalt	25.0	26.64		mg/Kg		107	80 - 120	2	20
Chromium	25.0	26.04		mg/Kg		104	80 - 120	2	20
Copper	25.0	26.12		mg/Kg		104	80 - 120	2	20
Molybdenum	25.0	25.60		mg/Kg		102	80 - 120	8	20
Nickel	25.0	27.42		mg/Kg		110	80 - 120	2	20
Antimony	25.0	26.37		mg/Kg		105	80 - 120	4	20
Selenium	25.0	27.34		mg/Kg		109	80 - 120	6	20
Thallium	25.0	28.70		mg/Kg		115	80 - 120	3	20
Vanadium	25.0	26.43		mg/Kg		106	80 - 120	2	20
Zinc	25.0	27.03		mg/Kg		108	80 - 120	3	20
Lead	25.0	27.84		mg/Kg		111	80 - 120	3	20

Lab Sample ID: 570-75768-1 MS
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Unit-1-SST(S)
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.6	14.30		mg/Kg		114	75 - 125
Arsenic	ND		25.1	25.04		mg/Kg		100	75 - 125
Barium	82.2	F1	25.1	126.5	F1	mg/Kg		176	75 - 125
Beryllium	0.359		25.1	27.69		mg/Kg		109	75 - 125
Cadmium	1.07		25.1	26.21		mg/Kg		100	75 - 125
Cobalt	6.48		25.1	30.95		mg/Kg		97	75 - 125
Chromium	12.6		25.1	40.57		mg/Kg		111	75 - 125
Copper	12.6	F1	25.1	44.54	F1	mg/Kg		127	75 - 125
Molybdenum	ND		25.2	19.25		mg/Kg		76	75 - 125
Nickel	11.2		25.1	37.48		mg/Kg		105	75 - 125
Antimony	ND	F1	25.1	11.29	F1	mg/Kg		45	75 - 125
Selenium	ND		25.1	23.82		mg/Kg		95	75 - 125
Thallium	ND		25.1	22.59		mg/Kg		90	75 - 125
Vanadium	31.0		25.1	62.34		mg/Kg		125	75 - 125
Zinc	65.5		25.1	93.00		mg/Kg		109	75 - 125
Lead	ND		25.1	29.84		mg/Kg		119	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-75768-1 MSD
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Unit-1-SST(S)
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.2	13.85		mg/Kg		114	75 - 125	3	20
Arsenic	ND		24.4	25.64		mg/Kg		105	75 - 125	2	20
Barium	82.2	F1	24.4	122.0	F1	mg/Kg		163	75 - 125	4	20
Beryllium	0.359		24.4	26.60		mg/Kg		108	75 - 125	4	20
Cadmium	1.07		24.4	25.14		mg/Kg		99	75 - 125	4	20
Cobalt	6.48		24.4	29.92		mg/Kg		96	75 - 125	3	20
Chromium	12.6		24.4	39.02		mg/Kg		108	75 - 125	4	20
Copper	12.6	F1	24.4	43.38	F1	mg/Kg		126	75 - 125	3	20
Molybdenum	ND		24.4	18.81		mg/Kg		77	75 - 125	2	20
Nickel	11.2		24.4	36.12		mg/Kg		102	75 - 125	4	20
Antimony	ND	F1	24.4	11.21	F1	mg/Kg		46	75 - 125	1	20
Selenium	ND		24.4	22.27		mg/Kg		91	75 - 125	7	20
Thallium	ND		24.4	21.82		mg/Kg		89	75 - 125	3	20
Vanadium	31.0		24.4	60.12		mg/Kg		119	75 - 125	4	20
Zinc	65.5		24.4	89.30		mg/Kg		98	75 - 125	4	20
Lead	ND		24.4	28.57		mg/Kg		117	75 - 125	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-195081/1-A
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 195081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		11/18/21 05:53	11/18/21 11:21	1

Lab Sample ID: LCS 570-195081/2-A
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.7281		mg/Kg		87	85 - 121

Lab Sample ID: LCSD 570-195081/3-A
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 195081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.847	0.7276		mg/Kg		86	85 - 121	0	10

Lab Sample ID: 570-75768-1 MS
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Unit-1-SST(S)
Prep Type: Total/NA
Prep Batch: 195081

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.833	0.7221		mg/Kg		84	71 - 137

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-75768-1 MSD
Client Sample ID: Unit-1-SST(S)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 195209
Prep Batch: 195081

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.862	0.7531		mg/Kg		85	71 - 137	4	14

GC Semi VOA

Prep Batch: 194244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-11 - DL	Unit-1-T-5	Total/NA	Solid	3550C	
MB 570-194244/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-194244/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-194244/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
440-291495-A-1-A MS	Matrix Spike	Total/NA	Solid	3550C	
440-291495-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 194260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-194244/1-A	Method Blank	Total/NA	Solid	8015B	194244
LCS 570-194244/2-A	Lab Control Sample	Total/NA	Solid	8015B	194244
LCSD 570-194244/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	194244
440-291495-A-1-A MS	Matrix Spike	Total/NA	Solid	8015B	194244
440-291495-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	194244

Analysis Batch: 194262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	8015B	194295
570-75768-4	Unit-2-T-2	Total/NA	Solid	8015B	194295
570-75768-5	Unit-2-T-3	Total/NA	Solid	8015B	194295
570-75768-6	Unit-2-T-4	Total/NA	Solid	8015B	194295
570-75768-8	Unit-1-T-2	Total/NA	Solid	8015B	194295
570-75768-9	Unit-1-T-3	Total/NA	Solid	8015B	194295
MB 570-194295/1-A	Method Blank	Total/NA	Solid	8015B	194295
LCS 570-194295/2-A	Lab Control Sample	Total/NA	Solid	8015B	194295
LCSD 570-194295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	194295
570-75742-A-5-A MS	Matrix Spike	Total/NA	Solid	8015B	194295
570-75742-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	194295

Prep Batch: 194295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - RA	Unit-1-SST(S)	Total/NA	Solid	3550C	
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	3550C	
570-75768-3 - DL	Unit-2-T-1	Total/NA	Solid	3550C	
570-75768-4	Unit-2-T-2	Total/NA	Solid	3550C	
570-75768-5	Unit-2-T-3	Total/NA	Solid	3550C	
570-75768-6	Unit-2-T-4	Total/NA	Solid	3550C	
570-75768-7 - DL	Unit-1-T-1	Total/NA	Solid	3550C	
570-75768-8	Unit-1-T-2	Total/NA	Solid	3550C	
570-75768-9	Unit-1-T-3	Total/NA	Solid	3550C	
570-75768-10	Unit-1-T-4	Total/NA	Solid	3550C	
MB 570-194295/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-194295/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-194295/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-75742-A-5-A MS	Matrix Spike	Total/NA	Solid	3550C	
570-75742-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Prep Batch: 194353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - DL2	Unit-1-SST(S)	Total/NA	Solid	3546	
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 194353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	3546	
570-75768-3	Unit-2-T-1	Total/NA	Solid	3546	
570-75768-4	Unit-2-T-2	Total/NA	Solid	3546	
570-75768-5	Unit-2-T-3	Total/NA	Solid	3546	
570-75768-6	Unit-2-T-4	Total/NA	Solid	3546	
570-75768-7	Unit-1-T-1	Total/NA	Solid	3546	
570-75768-8	Unit-1-T-2	Total/NA	Solid	3546	
570-75768-9	Unit-1-T-3	Total/NA	Solid	3546	
570-75768-10	Unit-1-T-4	Total/NA	Solid	3546	
570-75768-11	Unit-1-T-5	Total/NA	Solid	3546	
MB 570-194353/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-194353/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-194353/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-75838-A-2-B MS	Matrix Spike	Total/NA	Solid	3546	
570-75838-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 194476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	8082	194353
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	8082	194353
570-75768-3	Unit-2-T-1	Total/NA	Solid	8082	194353
570-75768-4	Unit-2-T-2	Total/NA	Solid	8082	194353
570-75768-5	Unit-2-T-3	Total/NA	Solid	8082	194353
570-75768-6	Unit-2-T-4	Total/NA	Solid	8082	194353
570-75768-7	Unit-1-T-1	Total/NA	Solid	8082	194353
570-75768-8	Unit-1-T-2	Total/NA	Solid	8082	194353
570-75768-9	Unit-1-T-3	Total/NA	Solid	8082	194353
570-75768-10	Unit-1-T-4	Total/NA	Solid	8082	194353
570-75768-11	Unit-1-T-5	Total/NA	Solid	8082	194353
MB 570-194353/1-A	Method Blank	Total/NA	Solid	8082	194353
LCS 570-194353/2-A	Lab Control Sample	Total/NA	Solid	8082	194353
LCSD 570-194353/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	194353
570-75838-A-2-B MS	Matrix Spike	Total/NA	Solid	8082	194353
570-75838-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	194353

Analysis Batch: 194691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - RA	Unit-1-SST(S)	Total/NA	Solid	8015B	194295
570-75768-3 - DL	Unit-2-T-1	Total/NA	Solid	8015B	194295
570-75768-7 - DL	Unit-1-T-1	Total/NA	Solid	8015B	194295
570-75768-11 - DL	Unit-1-T-5	Total/NA	Solid	8015B	194244

Analysis Batch: 194713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-10	Unit-1-T-4	Total/NA	Solid	8015B	194295

Analysis Batch: 194782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - DL2	Unit-1-SST(S)	Total/NA	Solid	8082	194353

Metals

Prep Batch: 195080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	3050B	
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	3050B	
570-75768-3	Unit-2-T-1	Total/NA	Solid	3050B	
570-75768-4	Unit-2-T-2	Total/NA	Solid	3050B	
570-75768-5	Unit-2-T-3	Total/NA	Solid	3050B	
570-75768-6	Unit-2-T-4	Total/NA	Solid	3050B	
570-75768-7	Unit-1-T-1	Total/NA	Solid	3050B	
570-75768-8	Unit-1-T-2	Total/NA	Solid	3050B	
570-75768-9	Unit-1-T-3	Total/NA	Solid	3050B	
570-75768-10	Unit-1-T-4	Total/NA	Solid	3050B	
570-75768-11	Unit-1-T-5	Total/NA	Solid	3050B	
MB 570-195080/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-195080/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-195080/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	3050B	
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	3050B	

Prep Batch: 195081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	7471A	
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	7471A	
570-75768-3	Unit-2-T-1	Total/NA	Solid	7471A	
570-75768-4	Unit-2-T-2	Total/NA	Solid	7471A	
570-75768-5	Unit-2-T-3	Total/NA	Solid	7471A	
570-75768-6	Unit-2-T-4	Total/NA	Solid	7471A	
570-75768-7	Unit-1-T-1	Total/NA	Solid	7471A	
570-75768-8	Unit-1-T-2	Total/NA	Solid	7471A	
570-75768-9	Unit-1-T-3	Total/NA	Solid	7471A	
570-75768-10	Unit-1-T-4	Total/NA	Solid	7471A	
570-75768-11	Unit-1-T-5	Total/NA	Solid	7471A	
MB 570-195081/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-195081/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-195081/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	7471A	
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	7471A	

Analysis Batch: 195209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	7471A	195081
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	7471A	195081
570-75768-3	Unit-2-T-1	Total/NA	Solid	7471A	195081
570-75768-4	Unit-2-T-2	Total/NA	Solid	7471A	195081
570-75768-5	Unit-2-T-3	Total/NA	Solid	7471A	195081
570-75768-6	Unit-2-T-4	Total/NA	Solid	7471A	195081
570-75768-7	Unit-1-T-1	Total/NA	Solid	7471A	195081
570-75768-8	Unit-1-T-2	Total/NA	Solid	7471A	195081
570-75768-9	Unit-1-T-3	Total/NA	Solid	7471A	195081
570-75768-10	Unit-1-T-4	Total/NA	Solid	7471A	195081
570-75768-11	Unit-1-T-5	Total/NA	Solid	7471A	195081
MB 570-195081/1-A	Method Blank	Total/NA	Solid	7471A	195081
LCS 570-195081/2-A	Lab Control Sample	Total/NA	Solid	7471A	195081

Metals (Continued)

Analysis Batch: 195209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-195081/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	195081
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	7471A	195081
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	7471A	195081

Analysis Batch: 195286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	6010B	195080
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	6010B	195080
570-75768-3	Unit-2-T-1	Total/NA	Solid	6010B	195080
570-75768-4	Unit-2-T-2	Total/NA	Solid	6010B	195080
570-75768-5	Unit-2-T-3	Total/NA	Solid	6010B	195080
570-75768-6	Unit-2-T-4	Total/NA	Solid	6010B	195080
570-75768-7	Unit-1-T-1	Total/NA	Solid	6010B	195080
570-75768-8	Unit-1-T-2	Total/NA	Solid	6010B	195080
570-75768-9	Unit-1-T-3	Total/NA	Solid	6010B	195080
570-75768-10	Unit-1-T-4	Total/NA	Solid	6010B	195080
570-75768-11	Unit-1-T-5	Total/NA	Solid	6010B	195080
MB 570-195080/1-A	Method Blank	Total/NA	Solid	6010B	195080
LCS 570-195080/2-A	Lab Control Sample	Total/NA	Solid	6010B	195080
LCSD 570-195080/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	195080
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	6010B	195080
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	6010B	195080

Client Sample ID: Unit-1-SST(S)

Lab Sample ID: 570-75768-1

Date Collected: 11/12/21 07:37

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	RA		10.00 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B	RA	1			194691	11/17/21 04:33	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			20.06 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 18:08	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL2		20.06 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082	DL2	500			194782	11/17/21 10:37	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.94 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:15	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:27	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-LT(N)

Lab Sample ID: 570-75768-2

Date Collected: 11/12/21 07:48

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.02 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 15:15	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.08 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 18:26	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:22	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:32	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-1

Lab Sample ID: 570-75768-3

Date Collected: 11/12/21 08:45

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	DL		10.03 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B	DL	10			194691	11/17/21 05:00	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			19.97 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 18:44	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Client Sample ID: Unit-2-T-1
Lab Sample ID: 570-75768-3
Date Collected: 11/12/21 08:45
Matrix: Solid
Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:24	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.60 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:34	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-2
Lab Sample ID: 570-75768-4
Date Collected: 11/12/21 08:55
Matrix: Solid
Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.00 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 16:01	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			19.99 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:02	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:27	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.57 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:36	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-3
Lab Sample ID: 570-75768-5
Date Collected: 11/12/21 09:02
Matrix: Solid
Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.05 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 16:23	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.13 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:20	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.96 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:29	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.60 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:38	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-4

Lab Sample ID: 570-75768-6

Date Collected: 11/12/21 09:12

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.06 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 16:46	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.11 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:38	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:31	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:43	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-1

Lab Sample ID: 570-75768-7

Date Collected: 11/12/21 09:35

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	DL		10.03 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B	DL	5			194691	11/17/21 05:28	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			20.16 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:56	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.95 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:34	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:45	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-2

Lab Sample ID: 570-75768-8

Date Collected: 11/12/21 09:48

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.00 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 17:31	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.12 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 20:14	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.04 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:36	ULPF	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Client Sample ID: Unit-1-T-2

Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.60 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:47	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-3

Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.02 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 18:02	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.15 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 20:31	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:53	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:49	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-4

Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.05 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		5			194713	11/16/21 21:53	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.11 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 20:50	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.10 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:55	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.63 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:51	VWJ7	ECL 1
	Instrument ID: HG8									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Client Sample ID: Unit-1-T-5
Lab Sample ID: 570-75768-11
Date Collected: 11/12/21 10:28
Matrix: Solid
Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	DL		10.02 g	10 mL	194244	11/15/21 09:38	UFLU	ECL 1
Total/NA	Analysis	8015B	DL	10			194691	11/17/21 05:54	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			20.16 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 21:07	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:57	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:53	VWJ7	ECL 1
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-75768-1	Unit-1-SST(S)	Solid	11/12/21 07:37	11/12/21 13:32
570-75768-2	Unit-1-LT(N)	Solid	11/12/21 07:48	11/12/21 13:32
570-75768-3	Unit-2-T-1	Solid	11/12/21 08:45	11/12/21 13:32
570-75768-4	Unit-2-T-2	Solid	11/12/21 08:55	11/12/21 13:32
570-75768-5	Unit-2-T-3	Solid	11/12/21 09:02	11/12/21 13:32
570-75768-6	Unit-2-T-4	Solid	11/12/21 09:12	11/12/21 13:32
570-75768-7	Unit-1-T-1	Solid	11/12/21 09:35	11/12/21 13:32
570-75768-8	Unit-1-T-2	Solid	11/12/21 09:48	11/12/21 13:32
570-75768-9	Unit-1-T-3	Solid	11/12/21 10:00	11/12/21 13:32
570-75768-10	Unit-1-T-4	Solid	11/12/21 10:15	11/12/21 13:32
570-75768-11	Unit-1-T-5	Solid	11/12/21 10:28	11/12/21 13:32

75768

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570-75768 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 11/12/21

PAGE: 1 OF 2

LABORATORY CLIENT: Roux Associates, Inc	CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000
ADDRESS: 5150 Pacific Coast Hwy, Suite 450	PO NO:
CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804	PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi
TEL: (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL: mnelson@rouxinc.com / dwilliams@rouxinc com / mnishibayashi@rouxinc.com	SAMPLER(S) (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	Notes:
1	Unit-1-SST(S)	11/12/21	0737	Conc. Powder	8oz Jar x 1						X								X		X		Interior
2	Unit-1-LT(N)		0748								X								X		X		Pads
3	Unit-2-T-1		0845								X								X		X		Numbered
4	Unit-2-T-2		0855								X								X		X		West
5	Unit-2-T-3		0902								X								X		X		to East
6	Unit-2-T-4		0912								X								X		X		
7	Unit-1-T-1		0935								X								X		X		Numbered
8	Unit-1-T-2		0948								X								X		X		West to
9	Unit-1-T-3		1000								X								X		X		East
10	Unit-1-T-4		1015								X								X		X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation) E CI	Date: 11-12-2021	Time: 17:32
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

4.3/5 2 SCS

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11/19/2021

75768

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 11/12/21

PAGE: 2 OF 2

LABORATORY CLIENT: Roux Associates, Inc

ADDRESS: 5150 Pacific Coast Hwy, Suite 450

CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804

TEL.: (818) 726-4265 / (610) 246-3352 / (818) 383-2312

E-MAIL.: mnelson@rouxinc com / dwilliams@rouxinc.com / mnishibayashi@rouxinc.com

CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000

PO NO:

PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi

SAMPLER(S) (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF

GLOBAL ID:

LOG CODE:

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	☐ TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	Notes:
11	Unit-1-T-5	11/12/21	1028	Conc. Powder	8 oz Jar x1	X					X								X		X		Eastern most Sample

Relinquished by: (Signature) — Received by: (Signature/Affiliation) ECI — Date: 11-12-2021 — Time: 13:32

Relinquished by: (Signature) — Received by: (Signature/Affiliation) — Date — Time

Relinquished by (Signature) — Received by (Signature/Affiliation) — Date — Time

06/02/14 Revision

11/19/2021

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-75768-1

Login Number: 75768
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-77265-1
Client Project/Site: Etiwanda Commerce Center/3653.0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
12/8/2021 6:36:32 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-77265-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-77265-1

Comments
No additional comments.

Receipt
The samples were received on 12/1/2021 8:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

GC Semi VOA
Method 8082: The following sample required a dilution due to the nature of the sample matrix: Unit-2-LT (570-77265-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-198771 and analytical batch 570-199382 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Client Sample ID: Unit-2-LT

Lab Sample ID: 570-77265-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C7 as C7	6.0		5.0		mg/Kg	1		8015B	Total/NA
C8 as C8	32		5.0		mg/Kg	1		8015B	Total/NA
C9-C10	34		5.0		mg/Kg	1		8015B	Total/NA
C11-C12	60		5.0		mg/Kg	1		8015B	Total/NA
C13-C14	47		5.0		mg/Kg	1		8015B	Total/NA
C15-C16	18		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	24		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	26		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	32		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	55		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	74		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	42		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	28		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	18		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	5.8		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	460		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	320		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	98000		25000		ug/Kg	500		8082	Total/NA
Arsenic	3.35		2.46		mg/Kg	1		6010B	Total/NA
Barium	74.8		0.493		mg/Kg	1		6010B	Total/NA
Cadmium	1.30		0.493		mg/Kg	1		6010B	Total/NA
Cobalt	4.41		0.985		mg/Kg	1		6010B	Total/NA
Chromium	16.4		0.985		mg/Kg	1		6010B	Total/NA
Copper	18.8		0.985		mg/Kg	1		6010B	Total/NA
Nickel	12.7		0.493		mg/Kg	1		6010B	Total/NA
Vanadium	24.6		0.985		mg/Kg	1		6010B	Total/NA
Zinc	179		9.85		mg/Kg	1		6010B	Total/NA
Lead	19.9		4.93		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST

Lab Sample ID: 570-77265-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C8 as C8	40		4.9		mg/Kg	1		8015B	Total/NA
C9-C10	44		4.9		mg/Kg	1		8015B	Total/NA
C11-C12	100		4.9		mg/Kg	1		8015B	Total/NA
C13-C14	78		4.9		mg/Kg	1		8015B	Total/NA
C15-C16	32		4.9		mg/Kg	1		8015B	Total/NA
C17-C18	42		4.9		mg/Kg	1		8015B	Total/NA
C19-C20	42		4.9		mg/Kg	1		8015B	Total/NA
C21-C22	47		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	72		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	100		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	62		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	42		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	29		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	8.9		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	710		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	510		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	46000		5000		ug/Kg	100		8082	Total/NA
Barium	56.7		0.481		mg/Kg	1		6010B	Total/NA
Cadmium	0.786		0.481		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-2-SST (Continued)

Lab Sample ID: 570-77265-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.39		0.962		mg/Kg	1		6010B	Total/NA
Chromium	11.4		0.962		mg/Kg	1		6010B	Total/NA
Copper	8.89		0.962		mg/Kg	1		6010B	Total/NA
Nickel	9.04		0.481		mg/Kg	1		6010B	Total/NA
Vanadium	15.5		0.962		mg/Kg	1		6010B	Total/NA
Zinc	40.4		9.62		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1/2-RT

Lab Sample ID: 570-77265-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C8 as C8	27		5.0		mg/Kg	1		8015B	Total/NA
C9-C10	160		5.0		mg/Kg	1		8015B	Total/NA
C11-C12	190		5.0		mg/Kg	1		8015B	Total/NA
C13-C14	120		5.0		mg/Kg	1		8015B	Total/NA
C15-C16	48		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	66		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	57		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	50		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	71		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	130		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	91		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	62		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	43		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	13		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	1100		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	720		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	4600		500		ug/Kg	10		8082	Total/NA
Arsenic	4.12		2.63		mg/Kg	1		6010B	Total/NA
Barium	82.6		0.526		mg/Kg	1		6010B	Total/NA
Cadmium	1.41		0.526		mg/Kg	1		6010B	Total/NA
Cobalt	6.62		1.05		mg/Kg	1		6010B	Total/NA
Chromium	18.7		1.05		mg/Kg	1		6010B	Total/NA
Copper	23.9		1.05		mg/Kg	1		6010B	Total/NA
Nickel	16.2		0.526		mg/Kg	1		6010B	Total/NA
Vanadium	32.7		1.05		mg/Kg	1		6010B	Total/NA
Zinc	112		10.5		mg/Kg	1		6010B	Total/NA
Lead	8.88		5.26		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1-SST

Lab Sample ID: 570-77265-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C8 as C8	11		5.0		mg/Kg	1		8015B	Total/NA
C9-C10	12		5.0		mg/Kg	1		8015B	Total/NA
C11-C12	35		5.0		mg/Kg	1		8015B	Total/NA
C13-C14	35		5.0		mg/Kg	1		8015B	Total/NA
C15-C16	13		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	17		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	18		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	18		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	24		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	41		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	29		5.0		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-1-SST (Continued)

Lab Sample ID: 570-77265-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C33-C36	19		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	15		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	5.4		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	260		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	180		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	8300		5000		ug/Kg	100		8082	Total/NA
Barium	49.7		0.476		mg/Kg	1		6010B	Total/NA
Cadmium	0.652		0.476		mg/Kg	1		6010B	Total/NA
Cobalt	3.54		0.952		mg/Kg	1		6010B	Total/NA
Chromium	11.5		0.952		mg/Kg	1		6010B	Total/NA
Copper	9.27		0.952		mg/Kg	1		6010B	Total/NA
Nickel	8.96		0.476		mg/Kg	1		6010B	Total/NA
Vanadium	17.4		0.952		mg/Kg	1		6010B	Total/NA
Zinc	34.6		9.52		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-5-T (W)

Lab Sample ID: 570-77265-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C14	6.1		4.9		mg/Kg	1		8015B	Total/NA
C15-C16	45		4.9		mg/Kg	1		8015B	Total/NA
C17-C18	210		4.9		mg/Kg	1		8015B	Total/NA
C19-C20	350		4.9		mg/Kg	1		8015B	Total/NA
C21-C22	220		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	98		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	53		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	960		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	960		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.71		2.45		mg/Kg	1		6010B	Total/NA
Barium	41.3		0.490		mg/Kg	1		6010B	Total/NA
Cadmium	1.80		0.490		mg/Kg	1		6010B	Total/NA
Cobalt	3.12		0.980		mg/Kg	1		6010B	Total/NA
Chromium	10.1		0.980		mg/Kg	1		6010B	Total/NA
Copper	9.98		0.980		mg/Kg	1		6010B	Total/NA
Nickel	5.36		0.490		mg/Kg	1		6010B	Total/NA
Vanadium	12.8		0.980		mg/Kg	1		6010B	Total/NA
Zinc	60.2		9.80		mg/Kg	1		6010B	Total/NA
Lead	5.90		4.90		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-5-T (E)

Lab Sample ID: 570-77265-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C15-C16	9.3		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	37		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	60		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	44		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	24		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	22		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	180		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	180		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	6.28		2.54		mg/Kg	1		6010B	Total/NA
Barium	106		0.508		mg/Kg	1		6010B	Total/NA
Cadmium	0.671		0.508		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-5-T (E) (Continued)

Lab Sample ID: 570-77265-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	8.20		1.02		mg/Kg	1		6010B	Total/NA
Chromium	24.2		1.02		mg/Kg	1		6010B	Total/NA
Copper	21.7		1.02		mg/Kg	1		6010B	Total/NA
Nickel	12.8		0.508		mg/Kg	1		6010B	Total/NA
Vanadium	40.8		1.02		mg/Kg	1		6010B	Total/NA
Zinc	52.8		10.2		mg/Kg	1		6010B	Total/NA
Lead	6.20		5.08		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C7 as C7	6.0		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C8 as C8	32		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C9-C10	34		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C11-C12	60		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C13-C14	47		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C15-C16	18		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C17-C18	24		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C19-C20	26		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C21-C22	32		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C23-C24	55		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C25-C28	74		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C29-C32	42		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C33-C36	28		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C37-C40	18		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C41-C44	5.8		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C6-C44	460		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
Diesel Range Organics [C10-C28]	320		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*64*		*60 - 138*	*12/06/21 21:04*	*12/07/21 18:55*	*1*

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C7 as C7	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C8 as C8	40		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C9-C10	44		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C11-C12	100		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C13-C14	78		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C15-C16	32		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C17-C18	42		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C19-C20	42		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C21-C22	47		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C23-C24	72		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C25-C28	100		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C29-C32	62		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C33-C36	42		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C37-C40	29		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C41-C44	8.9		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C6-C44	710		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
Diesel Range Organics [C10-C28]	510		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*77*		*60 - 138*	*12/06/21 21:04*	*12/07/21 19:16*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C8 as C8	27		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C9-C10	160		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C11-C12	190		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C13-C14	120		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C15-C16	48		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C17-C18	66		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C19-C20	57		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C21-C22	50		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C23-C24	71		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C25-C28	130		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C29-C32	91		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C33-C36	62		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C37-C40	43		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C41-C44	13		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C6-C44	1100		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
Diesel Range Organics [C10-C28]	720		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*84*		*60 - 138*	*12/06/21 21:04*	*12/07/21 19:37*	*1*

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C8 as C8	11		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C9-C10	12		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C11-C12	35		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C13-C14	35		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C15-C16	13		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C17-C18	17		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C19-C20	18		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C21-C22	18		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C23-C24	24		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C25-C28	41		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C29-C32	29		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C33-C36	19		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C37-C40	15		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C41-C44	5.4		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C6-C44	260		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
Diesel Range Organics [C10-C28]	180		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*60 - 138*	*12/06/21 21:04*	*12/07/21 19:58*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-5-T (W)
Date Collected: 11/30/21 10:22
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C7 as C7	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C8 as C8	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C9-C10	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C11-C12	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C13-C14	**6.1**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C15-C16	**45**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C17-C18	**210**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C19-C20	**350**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C21-C22	**220**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C23-C24	**98**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C25-C28	**53**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C29-C32	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C33-C36	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C37-C40	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C41-C44	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C6-C44	**960**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
Diesel Range Organics [C10-C28]	**960**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*75*		*60 - 138*	*12/06/21 21:04*	*12/07/21 20:19*	*1*

Client Sample ID: Unit-5-T (E)
Date Collected: 11/30/21 10:35
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C8 as C8	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C9-C10	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C11-C12	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C13-C14	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C15-C16	**9.3**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C17-C18	**37**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C19-C20	**60**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C21-C22	**44**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C23-C24	**24**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C25-C28	**22**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C29-C32	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C33-C36	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C37-C40	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C41-C44	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C6-C44	**180**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
Diesel Range Organics [C10-C28]	**180**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*74*		*60 - 138*	*12/06/21 21:04*	*12/07/21 20:40*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*12/02/21 12:41*	*12/03/21 19:44*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*20 - 155*	*12/02/21 12:41*	*12/03/21 19:44*	*1*

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*65*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:04*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:04*	*1*

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*67*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:22*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:22*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*61*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:40*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:40*	*1*

Client Sample ID: Unit-5-T (W)
Date Collected: 11/30/21 10:22
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1260	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*57*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:57*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:57*	*1*

Client Sample ID: Unit-5-T (E)
Date Collected: 11/30/21 10:35
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1260	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*64*		*25 - 126*	*12/02/21 12:41*	*12/03/21 21:15*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*	*12/02/21 12:41*	*12/03/21 21:15*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	98000		25000		ug/Kg		12/02/21 12:41	12/06/21 10:13	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*86*		*25 - 126*	*12/02/21 12:41*	*12/06/21 10:13*	*500*
DCB Decachlorobiphenyl (Surr)	*6034*	*S1+*	*20 - 155*	*12/02/21 12:41*	*12/06/21 10:13*	*500*

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	46000		5000		ug/Kg		12/02/21 12:41	12/06/21 12:03	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*95*		*25 - 126*	*12/02/21 12:41*	*12/06/21 12:03*	*100*
DCB Decachlorobiphenyl (Surr)	*95*		*20 - 155*	*12/02/21 12:41*	*12/06/21 12:03*	*100*

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	4600		500		ug/Kg		12/02/21 12:41	12/06/21 10:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*72*		*25 - 126*	*12/02/21 12:41*	*12/06/21 10:49*	*10*
DCB Decachlorobiphenyl (Surr)	*121*		*20 - 155*	*12/02/21 12:41*	*12/06/21 10:49*	*10*

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	8300		5000		ug/Kg		12/02/21 12:41	12/06/21 11:07	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*12/02/21 12:41*	*12/06/21 11:07*	*100*
DCB Decachlorobiphenyl (Surr)	*106*		*20 - 155*	*12/02/21 12:41*	*12/06/21 11:07*	*100*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Arsenic	**3.35**		2.46		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Barium	**74.8**		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Beryllium	ND		0.246		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Cadmium	**1.30**		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Cobalt	**4.41**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Chromium	**16.4**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Copper	**18.8**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Molybdenum	ND		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Nickel	**12.7**		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Antimony	ND		2.96		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Selenium	ND		4.93		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Thallium	ND		4.93		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Vanadium	**24.6**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Zinc	**179**		9.85		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Lead	**19.9**		4.93		mg/Kg		12/06/21 12:19	12/07/21 21:04	1

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Arsenic	ND		2.40		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Barium	**56.7**		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Beryllium	ND		0.240		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Cadmium	**0.786**		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Cobalt	**3.39**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Chromium	**11.4**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Copper	**8.89**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Molybdenum	ND		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Nickel	**9.04**		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Antimony	ND		2.88		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Selenium	ND		4.81		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Thallium	ND		4.81		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Vanadium	**15.5**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Zinc	**40.4**		9.62		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Lead	ND		4.81		mg/Kg		12/06/21 12:19	12/07/21 21:07	1

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Arsenic	**4.12**		2.63		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Barium	**82.6**		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Beryllium	ND		0.263		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Cadmium	**1.41**		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Cobalt	**6.62**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Chromium	**18.7**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Copper	**23.9**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Nickel	**16.2**		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Antimony	ND		3.16		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Selenium	ND		5.26		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Thallium	ND		5.26		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Vanadium	**32.7**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Zinc	**112**		10.5		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Lead	**8.88**		5.26		mg/Kg		12/06/21 12:19	12/07/21 21:15	1

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Arsenic	ND		2.38		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Barium	**49.7**		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Beryllium	ND		0.238		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Cadmium	**0.652**		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Cobalt	**3.54**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Chromium	**11.5**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Copper	**9.27**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Molybdenum	ND		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Nickel	**8.96**		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Antimony	ND		2.86		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Selenium	ND		4.76		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Thallium	ND		4.76		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Vanadium	**17.4**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Zinc	**34.6**		9.52		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Lead	ND		4.76		mg/Kg		12/06/21 12:19	12/07/21 21:18	1

Client Sample ID: Unit-5-T (W)
Date Collected: 11/30/21 10:22
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Arsenic	**3.71**		2.45		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Barium	**41.3**		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Beryllium	ND		0.245		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Cadmium	**1.80**		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Cobalt	**3.12**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Chromium	**10.1**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Copper	**9.98**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Molybdenum	ND		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Nickel	**5.36**		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Antimony	ND		2.94		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Selenium	ND		4.90		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Thallium	ND		4.90		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Vanadium	**12.8**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Zinc	**60.2**		9.80		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Lead	**5.90**		4.90		mg/Kg		12/06/21 12:19	12/07/21 21:20	1

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-5-T (E)
Date Collected: 11/30/21 10:35
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Arsenic	**6.28**		2.54		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Barium	**106**		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Beryllium	ND		0.254		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Cadmium	**0.671**		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Cobalt	**8.20**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Chromium	**24.2**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Copper	**21.7**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Molybdenum	ND		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Nickel	**12.8**		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Antimony	ND		3.05		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Selenium	ND		5.08		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Thallium	ND		5.08		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Vanadium	**40.8**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Zinc	**52.8**		10.2		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Lead	**6.20**		5.08		mg/Kg		12/06/21 12:19	12/07/21 21:23	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-LT **Lab Sample ID: 570-77265-1**
Date Collected: 11/30/21 08:33 **Matrix: Solid**
Date Received: 12/01/21 08:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		12/06/21 09:33	12/07/21 13:32	1

Client Sample ID: Unit-2-SST **Lab Sample ID: 570-77265-2**
Date Collected: 11/30/21 08:58 **Matrix: Solid**
Date Received: 12/01/21 08:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		12/06/21 09:33	12/07/21 13:33	1

Client Sample ID: Unit-1/2-RT **Lab Sample ID: 570-77265-3**
Date Collected: 11/30/21 09:28 **Matrix: Solid**
Date Received: 12/01/21 08:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		12/06/21 09:33	12/07/21 13:39	1

Client Sample ID: Unit-1-SST **Lab Sample ID: 570-77265-4**
Date Collected: 11/30/21 09:37 **Matrix: Solid**
Date Received: 12/01/21 08:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		12/06/21 09:33	12/07/21 13:41	1

Client Sample ID: Unit-5-T (W) **Lab Sample ID: 570-77265-5**
Date Collected: 11/30/21 10:22 **Matrix: Solid**
Date Received: 12/01/21 08:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		12/06/21 09:33	12/07/21 13:43	1

Client Sample ID: Unit-5-T (E) **Lab Sample ID: 570-77265-6**
Date Collected: 11/30/21 10:35 **Matrix: Solid**
Date Received: 12/01/21 08:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877		mg/Kg		12/06/21 09:33	12/07/21 13:44	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-68625-A-2-AK MS	Matrix Spike	104
570-68625-A-2-AL MSD	Matrix Spike Duplicate	102
570-77265-1	Unit-2-LT	64
570-77265-2	Unit-2-SST	77
570-77265-3	Unit-1/2-RT	84
570-77265-4	Unit-1-SST	86
570-77265-5	Unit-5-T (W)	75
570-77265-6	Unit-5-T (E)	74
LCS 570-199014/2-A	Lab Control Sample	103
LCSD 570-199014/3-A	Lab Control Sample Dup	104
MB 570-199014/1-A	Method Blank	106

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
440-292162-B-1-D MS	Matrix Spike	64	61
440-292162-B-1-E MSD	Matrix Spike Duplicate	79	69
570-77265-1	Unit-2-LT	66	97
570-77265-1 - DL	Unit-2-LT	86	6034 S1+
570-77265-2	Unit-2-SST	65	73
570-77265-2 - DL	Unit-2-SST	95	95
570-77265-3	Unit-1/2-RT	67	76
570-77265-3 - DL	Unit-1/2-RT	72	121
570-77265-4	Unit-1-SST	61	81
570-77265-4 - DL	Unit-1-SST	66	106
570-77265-5	Unit-5-T (W)	57	74
570-77265-6	Unit-5-T (E)	64	82
LCS 570-198096/2-A	Lab Control Sample	68	81
LCSD 570-198096/3-A	Lab Control Sample Dup	68	81
MB 570-198096/1-A	Method Blank	70	86

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-199014/1-A
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C8 as C8	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C9-C10	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C11-C12	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C13-C14	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C15-C16	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C17-C18	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C19-C20	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C21-C22	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C23-C24	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C25-C28	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C29-C32	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C33-C36	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C37-C40	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C41-C44	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C6-C44	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*106*		*60 - 138*	*12/06/21 21:04*	*12/07/21 14:43*	*1*

Lab Sample ID: LCS 570-199014/2-A
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	450.9		mg/Kg		113	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*103*		*60 - 138*

Lab Sample ID: LCSD 570-199014/3-A
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	461.0		mg/Kg		115	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-68625-A-2-AK MS
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	11		396	496.4		mg/Kg		122	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Lab Sample ID: 570-68625-A-2-AL MSD
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	11		394	489.1		mg/Kg		121	43 - 165	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*102*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-198096/1-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1260	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*70*		*25 - 126*	*12/02/21 12:41*	*12/03/21 15:50*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 155*	*12/02/21 12:41*	*12/03/21 15:50*	*1*

Lab Sample ID: LCS 570-198096/2-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	84.26		ug/Kg		84	50 - 142
Aroclor-1260	100	82.87		ug/Kg		83	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-198096/2-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198096

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	81		20 - 155

Lab Sample ID: LCSD 570-198096/3-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198096

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	100	84.10		ug/Kg		84	50 - 142	0	30
Aroclor-1260	100	82.67		ug/Kg		83	50 - 150	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	68		25 - 126
DCB Decachlorobiphenyl (Surr)	81		20 - 155

Lab Sample ID: 440-292162-B-1-D MS
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 198096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND	F2	99.6	84.88		ug/Kg		85	20 - 175
Aroclor-1260	ND		99.6	83.80		ug/Kg		84	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	64		25 - 126
DCB Decachlorobiphenyl (Surr)	61		20 - 155

Lab Sample ID: 440-292162-B-1-E MSD
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND	F2	100	161.5	F2	ug/Kg		161	20 - 175	62	40
Aroclor-1260	ND		100	97.13		ug/Kg		97	20 - 180	5	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	79		25 - 126
DCB Decachlorobiphenyl (Surr)	69		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-198771/1-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Arsenic	ND		2.49		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Barium	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-198771/1-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.249		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Cadmium	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Cobalt	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Chromium	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Copper	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Molybdenum	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Nickel	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Antimony	ND		2.99		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Selenium	ND		4.98		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Thallium	ND		4.98		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Vanadium	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Zinc	ND		9.95		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Lead	ND		4.98		mg/Kg		12/06/21 12:19	12/08/21 10:08	1

Lab Sample ID: LCS 570-198771/2-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.6	13.24		mg/Kg		105	80 - 120
Arsenic	25.1	23.01		mg/Kg		92	80 - 120
Barium	25.1	24.08		mg/Kg		96	80 - 120
Beryllium	25.1	26.94		mg/Kg		107	80 - 120
Cadmium	25.1	25.25		mg/Kg		100	80 - 120
Cobalt	25.1	29.96		mg/Kg		119	80 - 120
Chromium	25.1	29.80		mg/Kg		119	80 - 120
Copper	25.1	25.06		mg/Kg		100	80 - 120
Molybdenum	25.2	24.63		mg/Kg		98	80 - 120
Nickel	25.1	27.72		mg/Kg		110	80 - 120
Antimony	25.1	26.35		mg/Kg		105	80 - 120
Selenium	25.1	25.19		mg/Kg		100	80 - 120
Thallium	25.1	27.93		mg/Kg		111	80 - 120
Vanadium	25.1	29.18		mg/Kg		116	80 - 120
Zinc	25.1	25.95		mg/Kg		103	80 - 120
Lead	25.1	26.39		mg/Kg		105	80 - 120

Lab Sample ID: LCSD 570-198771/3-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.3	12.93		mg/Kg		105	80 - 120	2	20
Arsenic	24.6	22.54		mg/Kg		91	80 - 120	2	20
Barium	24.6	23.61		mg/Kg		96	80 - 120	2	20
Beryllium	24.6	27.04		mg/Kg		110	80 - 120	0	20
Cadmium	24.6	24.84		mg/Kg		101	80 - 120	2	20
Cobalt	24.6	29.14		mg/Kg		118	80 - 120	3	20
Chromium	24.6	29.23		mg/Kg		119	80 - 120	2	20
Copper	24.6	24.58		mg/Kg		100	80 - 120	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-198771/3-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	24.7	24.22		mg/Kg		98	80 - 120	2	20
Nickel	24.6	28.07		mg/Kg		114	80 - 120	1	20
Antimony	24.6	25.69		mg/Kg		104	80 - 120	3	20
Selenium	24.6	24.81		mg/Kg		101	80 - 120	1	20
Thallium	24.6	27.30		mg/Kg		111	80 - 120	2	20
Vanadium	24.6	29.17		mg/Kg		118	80 - 120	0	20
Zinc	24.6	25.51		mg/Kg		104	80 - 120	2	20
Lead	24.6	26.19		mg/Kg		106	80 - 120	1	20

Lab Sample ID: 570-77091-A-1-J MS
Matrix: Solid
Analysis Batch: 199382

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.9	11.09		mg/Kg		86	75 - 125
Arsenic	3.70		25.8	27.04		mg/Kg		91	75 - 125
Barium	77.3		25.8	104.5		mg/Kg		105	75 - 125
Beryllium	ND		25.8	27.73		mg/Kg		108	75 - 125
Cadmium	ND		25.8	24.61		mg/Kg		94	75 - 125
Cobalt	11.4		25.8	35.36		mg/Kg		93	75 - 125
Chromium	27.1		25.8	55.19		mg/Kg		109	75 - 125
Copper	22.8		25.8	47.28		mg/Kg		95	75 - 125
Molybdenum	ND		25.8	20.56		mg/Kg		80	75 - 125
Nickel	20.8	B	25.8	47.53		mg/Kg		104	75 - 125
Antimony	ND	F1	25.8	7.604	F1	mg/Kg		30	75 - 125
Selenium	ND		25.8	25.09		mg/Kg		97	75 - 125
Thallium	ND		25.8	21.39		mg/Kg		83	75 - 125
Vanadium	38.3		25.8	60.28		mg/Kg		85	75 - 125
Zinc	56.0		25.8	81.44		mg/Kg		99	75 - 125
Lead	6.52		25.8	31.70		mg/Kg		98	75 - 125

Lab Sample ID: 570-77091-A-1-K MSD
Matrix: Solid
Analysis Batch: 199382

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.6	11.86		mg/Kg		94	75 - 125	7	20
Arsenic	3.70		25.1	29.20		mg/Kg		101	75 - 125	8	20
Barium	77.3		25.1	103.8		mg/Kg		105	75 - 125	1	20
Beryllium	ND		25.1	29.82		mg/Kg		119	75 - 125	7	20
Cadmium	ND		25.1	26.52		mg/Kg		104	75 - 125	7	20
Cobalt	11.4		25.1	37.27		mg/Kg		103	75 - 125	5	20
Chromium	27.1		25.1	57.91		mg/Kg		123	75 - 125	5	20
Copper	22.8		25.1	49.77		mg/Kg		107	75 - 125	5	20
Molybdenum	ND		25.2	22.36		mg/Kg		89	75 - 125	8	20
Nickel	20.8	B	25.1	49.65		mg/Kg		115	75 - 125	4	20
Antimony	ND	F1	25.1	7.900	F1	mg/Kg		31	75 - 125	4	20
Selenium	ND		25.1	26.89		mg/Kg		107	75 - 125	7	20
Thallium	ND		25.1	23.85		mg/Kg		95	75 - 125	11	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-77091-A-1-K MSD
Matrix: Solid
Analysis Batch: 199382

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	38.3		25.1	62.63		mg/Kg		97	75 - 125	4	20
Zinc	56.0		25.1	84.17		mg/Kg		112	75 - 125	3	20
Lead	6.52		25.1	33.54		mg/Kg		108	75 - 125	6	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-198779/1-A
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		12/06/21 09:33	12/07/21 13:17	1

Lab Sample ID: LCS 570-198779/2-A
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.847	0.8722		mg/Kg		103	85 - 121

Lab Sample ID: LCSD 570-198779/3-A
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.820	0.8343		mg/Kg		102	85 - 121	4	10

Lab Sample ID: 570-77091-A-1-M MS
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.862	0.7006		mg/Kg		81	71 - 137

Lab Sample ID: 570-77091-A-1-N MSD
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.794	0.6377		mg/Kg		80	71 - 137	9	14

GC Semi VOA

Cleanup Batch: 197540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68625-A-2-AK MS	Matrix Spike	Total/NA	Solid	Homogenize Prep	
570-68625-A-2-AL MSD	Matrix Spike Duplicate	Total/NA	Solid	Homogenize Prep	

Prep Batch: 198096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	3546	
570-77265-1 - DL	Unit-2-LT	Total/NA	Solid	3546	
570-77265-2	Unit-2-SST	Total/NA	Solid	3546	
570-77265-2 - DL	Unit-2-SST	Total/NA	Solid	3546	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	3546	
570-77265-3 - DL	Unit-1/2-RT	Total/NA	Solid	3546	
570-77265-4	Unit-1-SST	Total/NA	Solid	3546	
570-77265-4 - DL	Unit-1-SST	Total/NA	Solid	3546	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	3546	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	3546	
MB 570-198096/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-198096/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-198096/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
440-292162-B-1-D MS	Matrix Spike	Total/NA	Solid	3546	
440-292162-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 198442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	8082	198096
570-77265-2	Unit-2-SST	Total/NA	Solid	8082	198096
570-77265-3	Unit-1/2-RT	Total/NA	Solid	8082	198096
570-77265-4	Unit-1-SST	Total/NA	Solid	8082	198096
570-77265-5	Unit-5-T (W)	Total/NA	Solid	8082	198096
570-77265-6	Unit-5-T (E)	Total/NA	Solid	8082	198096
MB 570-198096/1-A	Method Blank	Total/NA	Solid	8082	198096
LCS 570-198096/2-A	Lab Control Sample	Total/NA	Solid	8082	198096
LCSD 570-198096/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	198096
440-292162-B-1-D MS	Matrix Spike	Total/NA	Solid	8082	198096
440-292162-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	198096

Analysis Batch: 198677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1 - DL	Unit-2-LT	Total/NA	Solid	8082	198096
570-77265-2 - DL	Unit-2-SST	Total/NA	Solid	8082	198096
570-77265-3 - DL	Unit-1/2-RT	Total/NA	Solid	8082	198096
570-77265-4 - DL	Unit-1-SST	Total/NA	Solid	8082	198096

Prep Batch: 199014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	3550C	
570-77265-2	Unit-2-SST	Total/NA	Solid	3550C	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	3550C	
570-77265-4	Unit-1-SST	Total/NA	Solid	3550C	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	3550C	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 199014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-199014/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-199014/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-199014/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-68625-A-2-AK MS	Matrix Spike	Total/NA	Solid	3550C	197540
570-68625-A-2-AL MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	197540

Analysis Batch: 199192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	8015B	199014
570-77265-2	Unit-2-SST	Total/NA	Solid	8015B	199014
570-77265-3	Unit-1/2-RT	Total/NA	Solid	8015B	199014
570-77265-4	Unit-1-SST	Total/NA	Solid	8015B	199014
570-77265-5	Unit-5-T (W)	Total/NA	Solid	8015B	199014
570-77265-6	Unit-5-T (E)	Total/NA	Solid	8015B	199014
MB 570-199014/1-A	Method Blank	Total/NA	Solid	8015B	199014
LCS 570-199014/2-A	Lab Control Sample	Total/NA	Solid	8015B	199014
LCSD 570-199014/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	199014
570-68625-A-2-AK MS	Matrix Spike	Total/NA	Solid	8015B	199014
570-68625-A-2-AL MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	199014

Metals

Prep Batch: 198771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	3050B	
570-77265-2	Unit-2-SST	Total/NA	Solid	3050B	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	3050B	
570-77265-4	Unit-1-SST	Total/NA	Solid	3050B	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	3050B	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	3050B	
MB 570-198771/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-198771/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-198771/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-77091-A-1-J MS	Matrix Spike	Total/NA	Solid	3050B	
570-77091-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 198779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	7471A	
570-77265-2	Unit-2-SST	Total/NA	Solid	7471A	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	7471A	
570-77265-4	Unit-1-SST	Total/NA	Solid	7471A	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	7471A	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	7471A	
MB 570-198779/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-198779/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-198779/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-77091-A-1-M MS	Matrix Spike	Total/NA	Solid	7471A	
570-77091-A-1-N MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

QC Association Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Metals

Analysis Batch: 199215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	7471A	198779
570-77265-2	Unit-2-SST	Total/NA	Solid	7471A	198779
570-77265-3	Unit-1/2-RT	Total/NA	Solid	7471A	198779
570-77265-4	Unit-1-SST	Total/NA	Solid	7471A	198779
570-77265-5	Unit-5-T (W)	Total/NA	Solid	7471A	198779
570-77265-6	Unit-5-T (E)	Total/NA	Solid	7471A	198779
MB 570-198779/1-A	Method Blank	Total/NA	Solid	7471A	198779
LCS 570-198779/2-A	Lab Control Sample	Total/NA	Solid	7471A	198779
LCSD 570-198779/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	198779
570-77091-A-1-M MS	Matrix Spike	Total/NA	Solid	7471A	198779
570-77091-A-1-N MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	198779

Analysis Batch: 199382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	6010B	198771
570-77265-2	Unit-2-SST	Total/NA	Solid	6010B	198771
570-77265-3	Unit-1/2-RT	Total/NA	Solid	6010B	198771
570-77265-4	Unit-1-SST	Total/NA	Solid	6010B	198771
570-77265-5	Unit-5-T (W)	Total/NA	Solid	6010B	198771
570-77265-6	Unit-5-T (E)	Total/NA	Solid	6010B	198771
570-77091-A-1-J MS	Matrix Spike	Total/NA	Solid	6010B	198771
570-77091-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	198771

Analysis Batch: 199538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-198771/1-A	Method Blank	Total/NA	Solid	6010B	198771
LCS 570-198771/2-A	Lab Control Sample	Total/NA	Solid	6010B	198771
LCSD 570-198771/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	198771

Lab Chronicle

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Client Sample ID: Unit-2-LT

Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 18:55	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.06 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 19:44	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.06 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	500			198677	12/06/21 10:13	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:04	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.60 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:32	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST

Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.13 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 19:16	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.11 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:04	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.11 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			198677	12/06/21 12:03	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.08 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:07	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.58 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:33	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1/2-RT

Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 19:37	N5Y3	ECL 1
	Instrument ID: GC48									

Lab Chronicle

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Client Sample ID: Unit-1/2-RT

Lab Sample ID: 570-77265-3

Date Collected: 11/30/21 09:28
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.15 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:22	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.15 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	10			198677	12/06/21 10:49	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.90 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:15	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.62 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:39	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-SST

Lab Sample ID: 570-77265-4

Date Collected: 11/30/21 09:37
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 19:58	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.08 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:40	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.08 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			198677	12/06/21 11:07	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.10 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:18	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.59 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:41	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-5-T (W)

Lab Sample ID: 570-77265-5

Date Collected: 11/30/21 10:22
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.13 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 20:19	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.11 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:57	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Client Sample ID: Unit-5-T (W)
Lab Sample ID: 570-77265-5
Date Collected: 11/30/21 10:22
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:20	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.63 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:43	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-5-T (E)
Lab Sample ID: 570-77265-6
Date Collected: 11/30/21 10:35
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.10 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 20:40	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			19.98 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 21:15	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:23	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.57 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:44	VWJ7	ECL 1
	Instrument ID: HG8									

Laboratory References:
ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-77265-1	Unit-2-LT	Solid	11/30/21 08:33	12/01/21 08:55
570-77265-2	Unit-2-SST	Solid	11/30/21 08:58	12/01/21 08:55
570-77265-3	Unit-1/2-RT	Solid	11/30/21 09:28	12/01/21 08:55
570-77265-4	Unit-1-SST	Solid	11/30/21 09:37	12/01/21 08:55
570-77265-5	Unit-5-T (W)	Solid	11/30/21 10:22	12/01/21 08:55
570-77265-6	Unit-5-T (E)	Solid	11/30/21 10:35	12/01/21 08:55

77265

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570-77265 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 11/30/2021

PAGE: 1 OF 1

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus com or call us

LABORATORY CLIENT: Roux Associates, Inc	CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000
ADDRESS: 5150 Pacific Coast Hwy, Suite 450	PO NO
CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804	PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi
TEL. (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL: mnelson@rouxinc.com / dwilliams@rouxinc com / mnishibayashi@rouxinc com	SAMPLER(S) (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	Notes:
1	Unit-2-LT	11/30/2021	0833	concrete pedestal	1	X					X								X		X		228 gal
2	Unit-2-SST		0858		1	X					X								X		X		610 gal
3	Unit-1/2-RT		0928		1	X					X								X		X		Reserve Transformer
4	Unit-1-SST		~~0837~~		1	X					X								X		X		610 gal
5	Unit-5-T(W)		1022		1	X					X								X		X		west, smaller pad
6	Unit-5-T(E)		1035		1	X					X								X		X		east, larger pad
			0937																				

Relinquished by (Signature)	Received by (Signature/Affiliation) EC	Date 12/01/21	Time 0855
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date.	Time
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time

2.3/3.2 SCS

09/02/14 Revision

12/8/2021

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-77265-1

Login Number: 77265
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience LLC

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-82474-1
Client Project/Site: Etiwanda Commerce Center / 3653-0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
1/28/2022 9:26:02 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Job ID: 570-82474-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-82474-1

Comments
No additional comments.

Receipt
The samples were received on 1/21/2022 1:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

GC Semi VOA
Method 8015B: Surrogate recovery for the following sample was outside control limits: Unit-2-LT_SO-N (570-82474-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 440-665343 and analytical batch 440-665531 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The serial dilution performed for the following sample associated with batch 440-665531 was outside control limits for Barium and Vanadium: (570-81586-A-1-B SD ^25)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Client Sample ID: Unit-2-LT_SO-N

Lab Sample ID: 570-82474-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C17-C18	99		98		mg/Kg	20		8015B	Total/NA
C19-C20	270		98		mg/Kg	20		8015B	Total/NA
C21-C22	480		98		mg/Kg	20		8015B	Total/NA
C23-C24	890		98		mg/Kg	20		8015B	Total/NA
C25-C28	2200		98		mg/Kg	20		8015B	Total/NA
C29-C32	2400		98		mg/Kg	20		8015B	Total/NA
C33-C36	1600		98		mg/Kg	20		8015B	Total/NA
C37-C40	840		98		mg/Kg	20		8015B	Total/NA
C41-C44	370		98		mg/Kg	20		8015B	Total/NA
C6-C44	8700		98		mg/Kg	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	3700		98		mg/Kg	20		8015B	Total/NA
Aroclor-1260 - DL	1300		250		ug/Kg	5		8082	Total/NA
Barium	45.3		2.96		mg/Kg	5		6010B	Total/NA
Cadmium	0.505		0.493		mg/Kg	5		6010B	Total/NA
Chromium	14.1		0.985		mg/Kg	5		6010B	Total/NA
Cobalt	7.25		0.985		mg/Kg	5		6010B	Total/NA
Copper	26.7		1.97		mg/Kg	5		6010B	Total/NA
Lead	11.8		1.97		mg/Kg	5		6010B	Total/NA
Nickel	18.1		1.97		mg/Kg	5		6010B	Total/NA
Vanadium	45.7		0.985		mg/Kg	5		6010B	Total/NA
Zinc	111		4.93		mg/Kg	5		6010B	Total/NA
Mercury - DL	2.64		0.820		mg/Kg	10		7471A	Total/NA

Client Sample ID: Unit-2-LT_SO-S

Lab Sample ID: 570-82474-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6 as C6	5.0		5.0		mg/Kg	1		8015B	Total/NA
C7 as C7	5.4		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	6.4		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	9.0		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	10		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	19		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	18		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	13		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	7.6		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	73		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	36		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	1300		250		ug/Kg	5		8082	Total/NA
Arsenic	4.65		3.02		mg/Kg	5		6010B	Total/NA
Barium	87.4		3.02		mg/Kg	5		6010B	Total/NA
Cadmium	1.34		0.503		mg/Kg	5		6010B	Total/NA
Chromium	15.8		1.01		mg/Kg	5		6010B	Total/NA
Cobalt	3.96		1.01		mg/Kg	5		6010B	Total/NA
Copper	12.5		2.01		mg/Kg	5		6010B	Total/NA
Lead	8.23		2.01		mg/Kg	5		6010B	Total/NA
Nickel	11.1		2.01		mg/Kg	5		6010B	Total/NA
Vanadium	35.7		1.01		mg/Kg	5		6010B	Total/NA
Zinc	80.1		5.03		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Client Sample ID: Unit-1-SST(S)_SO

Lab Sample ID: 570-82474-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	5.6		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	11		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	27		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	27		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	21		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	10		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	90		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	39		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260	260		49		ug/Kg	1		8082	Total/NA
Arsenic	5.81		3.00		mg/Kg	5		6010B	Total/NA
Barium	49.2		3.00		mg/Kg	5		6010B	Total/NA
Chromium	10.6		1.00		mg/Kg	5		6010B	Total/NA
Cobalt	3.83		1.00		mg/Kg	5		6010B	Total/NA
Copper	22.7		2.00		mg/Kg	5		6010B	Total/NA
Lead	8.19		2.00		mg/Kg	5		6010B	Total/NA
Nickel	7.56		2.00		mg/Kg	5		6010B	Total/NA
Vanadium	26.8		1.00		mg/Kg	5		6010B	Total/NA
Zinc	120		5.00		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-1/2-RT_SO

Lab Sample ID: 570-82474-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6 as C6	5.1		4.9		mg/Kg	1		8015B	Total/NA
C7 as C7	5.5		4.9		mg/Kg	1		8015B	Total/NA
C8 as C8	7.9		4.9		mg/Kg	1		8015B	Total/NA
C11-C12	5.1		4.9		mg/Kg	1		8015B	Total/NA
C21-C22	6.0		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	8.3		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	16		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	14		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	10		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	5.8		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	65		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	31		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260	440		50		ug/Kg	1		8082	Total/NA
Arsenic	4.68		2.99		mg/Kg	5		6010B	Total/NA
Barium	79.0		2.99		mg/Kg	5		6010B	Total/NA
Chromium	16.0		0.995		mg/Kg	5		6010B	Total/NA
Cobalt	4.71		0.995		mg/Kg	5		6010B	Total/NA
Copper	11.2		1.99		mg/Kg	5		6010B	Total/NA
Lead	3.67		1.99		mg/Kg	5		6010B	Total/NA
Nickel	12.0		1.99		mg/Kg	5		6010B	Total/NA
Vanadium	41.5		0.995		mg/Kg	5		6010B	Total/NA
Zinc	33.6		4.98		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-1-SST_SO-W

Lab Sample ID: 570-82474-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	7.6		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	14		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	30		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	29		5.0		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-1-SST_SO-W (Continued)
Lab Sample ID: 570-82474-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C33-C36	20		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	9.9		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	100		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	49		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260	270		49		ug/Kg	1		8082	Total/NA
Arsenic	3.87		2.99		mg/Kg	5		6010B	Total/NA
Barium	77.1		2.99		mg/Kg	5		6010B	Total/NA
Cadmium	1.82		0.498		mg/Kg	5		6010B	Total/NA
Chromium	15.3		0.995		mg/Kg	5		6010B	Total/NA
Cobalt	4.30		0.995		mg/Kg	5		6010B	Total/NA
Copper	12.7		1.99		mg/Kg	5		6010B	Total/NA
Lead	7.92		1.99		mg/Kg	5		6010B	Total/NA
Nickel	12.8		1.99		mg/Kg	5		6010B	Total/NA
Vanadium	35.2		0.995		mg/Kg	5		6010B	Total/NA
Zinc	71.9		4.98		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-1-SST_SO-E
Lab Sample ID: 570-82474-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6 as C6	6.4		4.8		mg/Kg	1		8015B	Total/NA
C7 as C7	7.4		4.8		mg/Kg	1		8015B	Total/NA
C9-C10	6.1		4.8		mg/Kg	1		8015B	Total/NA
C17-C18	6.4		4.8		mg/Kg	1		8015B	Total/NA
C19-C20	15		4.8		mg/Kg	1		8015B	Total/NA
C21-C22	21		4.8		mg/Kg	1		8015B	Total/NA
C23-C24	34		4.8		mg/Kg	1		8015B	Total/NA
C25-C28	69		4.8		mg/Kg	1		8015B	Total/NA
C29-C32	66		4.8		mg/Kg	1		8015B	Total/NA
C33-C36	43		4.8		mg/Kg	1		8015B	Total/NA
C37-C40	19		4.8		mg/Kg	1		8015B	Total/NA
C41-C44	5.9		4.8		mg/Kg	1		8015B	Total/NA
C6-C44	270		4.8		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	140		4.8		mg/Kg	1		8015B	Total/NA
Aroclor-1260	940		49		ug/Kg	1		8082	Total/NA
Arsenic	3.99		2.99		mg/Kg	5		6010B	Total/NA
Barium	99.1		2.99		mg/Kg	5		6010B	Total/NA
Cadmium	3.28		0.498		mg/Kg	5		6010B	Total/NA
Chromium	16.5		0.995		mg/Kg	5		6010B	Total/NA
Cobalt	5.15		0.995		mg/Kg	5		6010B	Total/NA
Copper	25.1		1.99		mg/Kg	5		6010B	Total/NA
Lead	9.63		1.99		mg/Kg	5		6010B	Total/NA
Nickel	16.3		1.99		mg/Kg	5		6010B	Total/NA
Vanadium	40.4		0.995		mg/Kg	5		6010B	Total/NA
Zinc	136		4.98		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-2-SST_SO-W
Lab Sample ID: 570-82474-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	6.1		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	9.9		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	18		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	16		5.0		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Client Sample ID: Unit-2-SST_SO-W (Continued)

Lab Sample ID: 570-82474-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C33-C36	10		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	5.6		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	57		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	31		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	2000		250		ug/Kg	5		8082	Total/NA
Arsenic	4.36		3.06		mg/Kg	5		6010B	Total/NA
Barium	86.8		3.06		mg/Kg	5		6010B	Total/NA
Cadmium	0.689		0.510		mg/Kg	5		6010B	Total/NA
Chromium	16.2		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	3.97		1.02		mg/Kg	5		6010B	Total/NA
Copper	12.8		2.04		mg/Kg	5		6010B	Total/NA
Lead	5.63		2.04		mg/Kg	5		6010B	Total/NA
Nickel	12.7		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	35.6		1.02		mg/Kg	5		6010B	Total/NA
Zinc	75.9		5.10		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-2-SST_SO-E

Lab Sample ID: 570-82474-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	7.3		5.1		mg/Kg	1		8015B	Total/NA
C21-C22	11		5.1		mg/Kg	1		8015B	Total/NA
C23-C24	18		5.1		mg/Kg	1		8015B	Total/NA
C25-C28	43		5.1		mg/Kg	1		8015B	Total/NA
C29-C32	34		5.1		mg/Kg	1		8015B	Total/NA
C33-C36	18		5.1		mg/Kg	1		8015B	Total/NA
C37-C40	8.7		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	130		5.1		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	74		5.1		mg/Kg	1		8015B	Total/NA
Aroclor-1260	350		50		ug/Kg	1		8082	Total/NA
Arsenic	5.66		3.06		mg/Kg	5		6010B	Total/NA
Barium	87.2		3.06		mg/Kg	5		6010B	Total/NA
Chromium	15.5		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	4.82		1.02		mg/Kg	5		6010B	Total/NA
Copper	21.4		2.04		mg/Kg	5		6010B	Total/NA
Lead	5.92		2.04		mg/Kg	5		6010B	Total/NA
Nickel	12.9		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	34.4		1.02		mg/Kg	5		6010B	Total/NA
Zinc	58.0		5.10		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C7 as C7	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C8 as C8	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C9-C10	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C11-C12	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C13-C14	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C15-C16	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C17-C18	**99**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C19-C20	**270**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C21-C22	**480**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C23-C24	**890**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C25-C28	**2200**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C29-C32	**2400**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C33-C36	**1600**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C37-C40	**840**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C41-C44	**370**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C6-C44	**8700**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
Diesel Range Organics [C10-C28]	**3700**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*157*	*S1+*	*60 - 138*	*01/24/22 15:47*	*01/25/22 22:19*	*20*

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	**5.0**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C7 as C7	**5.4**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C19-C20	**6.4**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C21-C22	**9.0**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C23-C24	**10**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C25-C28	**19**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C29-C32	**18**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C33-C36	**13**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C37-C40	**7.6**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C6-C44	**73**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
Diesel Range Organics [C10-C28]	**36**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*117*		*60 - 138*	*01/24/22 15:47*	*01/25/22 22:40*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C7 as C7	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C8 as C8	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C9-C10	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C11-C12	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C13-C14	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C15-C16	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C17-C18	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C19-C20	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C21-C22	**5.6**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C23-C24	**11**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C25-C28	**27**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C29-C32	**27**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C33-C36	**21**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C37-C40	**10**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C41-C44	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C6-C44	**90**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
Diesel Range Organics [C10-C28]	**39**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*114*		*60 - 138*	*01/24/22 15:47*	*01/25/22 23:02*	*1*

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	**5.1**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C7 as C7	**5.5**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C8 as C8	**7.9**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C9-C10	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C11-C12	**5.1**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C13-C14	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C15-C16	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C17-C18	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C19-C20	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C21-C22	**6.0**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C23-C24	**8.3**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C25-C28	**16**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C29-C32	**14**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C33-C36	**10**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C37-C40	**5.8**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C41-C44	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C6-C44	**65**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
Diesel Range Organics [C10-C28]	**31**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 138*	*01/24/22 15:47*	*01/25/22 23:21*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C7 as C7	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C19-C20	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C21-C22	**7.6**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C23-C24	**14**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C25-C28	**30**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C29-C32	**29**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C33-C36	**20**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C37-C40	**9.9**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C6-C44	**100**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
Diesel Range Organics [C10-C28]	**49**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*110*		*60 - 138*	*01/24/22 15:47*	*01/25/22 23:42*	*1*

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	**6.4**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C7 as C7	**7.4**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C8 as C8	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C9-C10	**6.1**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C11-C12	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C13-C14	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C15-C16	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C17-C18	**6.4**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C19-C20	**15**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C21-C22	**21**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C23-C24	**34**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C25-C28	**69**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C29-C32	**66**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C33-C36	**43**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C37-C40	**19**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C41-C44	**5.9**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C6-C44	**270**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
Diesel Range Organics [C10-C28]	**140**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*123*		*60 - 138*	*01/24/22 15:47*	*01/26/22 00:03*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C7 as C7	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C19-C20	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C21-C22	**6.1**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C23-C24	**9.9**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C25-C28	**18**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C29-C32	**16**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C33-C36	**10**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C37-C40	**5.6**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C6-C44	**57**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
Diesel Range Organics [C10-C28]	**31**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*119*		*60 - 138*	*01/24/22 15:47*	*01/26/22 00:25*	*1*

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C7 as C7	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C8 as C8	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C9-C10	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C11-C12	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C13-C14	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C15-C16	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C17-C18	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C19-C20	**7.3**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C21-C22	**11**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C23-C24	**18**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C25-C28	**43**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C29-C32	**34**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C33-C36	**18**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C37-C40	**8.7**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C41-C44	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C6-C44	**130**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
Diesel Range Organics [C10-C28]	**74**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*98*		*60 - 138*	*01/24/22 15:47*	*01/26/22 00:44*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*65*		*25 - 126*	*01/24/22 12:47*	*01/25/22 17:10*	*1*
DCB Decachlorobiphenyl (Surr)	*54*		*20 - 155*	*01/24/22 12:47*	*01/25/22 17:10*	*1*

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*01/24/22 12:47*	*01/25/22 17:28*	*1*
DCB Decachlorobiphenyl (Surr)	*55*		*20 - 155*	*01/24/22 12:47*	*01/25/22 17:28*	*1*

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1260	**260**		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*54*		*25 - 126*	*01/24/22 12:47*	*01/25/22 17:46*	*1*
DCB Decachlorobiphenyl (Surr)	*52*		*20 - 155*	*01/24/22 12:47*	*01/25/22 17:46*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1260	**440**		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:04*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:04*	*1*

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1260	**270**		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*59*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:22*	*1*
DCB Decachlorobiphenyl (Surr)	*59*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:22*	*1*

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1260	**940**		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:40*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:40*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*56*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:58*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:58*	*1*

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1260	**350**		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*	*01/24/22 12:47*	*01/25/22 19:16*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*20 - 155*	*01/24/22 12:47*	*01/25/22 19:16*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	1300		250		ug/Kg		01/24/22 12:47	01/27/22 03:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*25 - 126*	*01/24/22 12:47*	*01/27/22 03:25*	*5*
DCB Decachlorobiphenyl (Surr)	*64*		*20 - 155*	*01/24/22 12:47*	*01/27/22 03:25*	*5*

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	1300		250		ug/Kg		01/24/22 12:47	01/27/22 03:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*01/24/22 12:47*	*01/27/22 03:43*	*5*
DCB Decachlorobiphenyl (Surr)	*65*		*20 - 155*	*01/24/22 12:47*	*01/27/22 03:43*	*5*

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	2000		250		ug/Kg		01/24/22 12:47	01/27/22 04:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*63*		*25 - 126*	*01/24/22 12:47*	*01/27/22 04:01*	*5*
DCB Decachlorobiphenyl (Surr)	*69*		*20 - 155*	*01/24/22 12:47*	*01/27/22 04:01*	*5*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Arsenic	ND		2.96		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Barium	**45.3**		2.96		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Beryllium	ND		0.493		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Cadmium	**0.505**		0.493		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Chromium	**14.1**		0.985		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Cobalt	**7.25**		0.985		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Copper	**26.7**		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Lead	**11.8**		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Molybdenum	ND		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Nickel	**18.1**		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Selenium	ND		2.96		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Silver	ND		1.48		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Thallium	ND		9.85		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Vanadium	**45.7**		0.985		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Zinc	**111**		4.93		mg/Kg		01/25/22 09:36	01/26/22 16:19	5

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.1		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Arsenic	**4.65**		3.02		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Barium	**87.4**		3.02		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Beryllium	ND		0.503		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Cadmium	**1.34**		0.503		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Chromium	**15.8**		1.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Cobalt	**3.96**		1.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Copper	**12.5**		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Lead	**8.23**		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Molybdenum	ND		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Nickel	**11.1**		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Selenium	ND		3.02		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Silver	ND		1.51		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Thallium	ND		10.1		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Vanadium	**35.7**		1.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Zinc	**80.1**		5.03		mg/Kg		01/25/22 09:36	01/26/22 16:21	5

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Arsenic	**5.81**		3.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Barium	**49.2**		3.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Beryllium	ND		0.500		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Cadmium	ND		0.500		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Chromium	**10.6**		1.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Cobalt	**3.83**		1.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Copper	**22.7**		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.19**		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Molybdenum	ND		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Nickel	**7.56**		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Selenium	ND		3.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Silver	ND		1.50		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Thallium	ND		10.0		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Vanadium	**26.8**		1.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Zinc	**120**		5.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Arsenic	**4.68**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Barium	**79.0**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Beryllium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Cadmium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Chromium	**16.0**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Cobalt	**4.71**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Copper	**11.2**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Lead	**3.67**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Molybdenum	ND		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Nickel	**12.0**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Selenium	ND		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Silver	ND		1.49		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Thallium	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Vanadium	**41.5**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Zinc	**33.6**		4.98		mg/Kg		01/25/22 09:36	01/26/22 16:26	5

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Arsenic	**3.87**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Barium	**77.1**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Beryllium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Cadmium	**1.82**		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Chromium	**15.3**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Cobalt	**4.30**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Copper	**12.7**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Lead	**7.92**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Molybdenum	ND		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Nickel	**12.8**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Selenium	ND		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Silver	ND		1.49		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Thallium	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Vanadium	**35.2**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Zinc	**71.9**		4.98		mg/Kg		01/25/22 09:36	01/26/22 16:28	5

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Arsenic	**3.99**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Barium	**99.1**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Beryllium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Cadmium	**3.28**		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Chromium	**16.5**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Cobalt	**5.15**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Copper	**25.1**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Lead	**9.63**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Molybdenum	ND		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Nickel	**16.3**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Selenium	ND		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Silver	ND		1.49		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Thallium	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Vanadium	**40.4**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Zinc	**136**		4.98		mg/Kg		01/25/22 09:36	01/26/22 16:31	5

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Arsenic	**4.36**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Barium	**86.8**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Beryllium	ND		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Cadmium	**0.689**		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Chromium	**16.2**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Cobalt	**3.97**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Copper	**12.8**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Lead	**5.63**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Molybdenum	ND		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Nickel	**12.7**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Selenium	ND		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Silver	ND		1.53		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Thallium	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Vanadium	**35.6**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Zinc	**75.9**		5.10		mg/Kg		01/25/22 09:36	01/26/22 16:33	5

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Arsenic	**5.66**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Barium	**87.2**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Beryllium	ND		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Cadmium	ND		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Chromium	**15.5**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Cobalt	**4.82**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Copper	**21.4**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-2-SST_SO-E
Lab Sample ID: 570-82474-8
Date Collected: 01/19/22 14:40
Matrix: Solid
Date Received: 01/21/22 13:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**5.92**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Molybdenum	ND		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Nickel	**12.9**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Selenium	ND		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Silver	ND		1.53		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Thallium	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Vanadium	**34.4**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Zinc	**58.0**		5.10		mg/Kg		01/25/22 09:36	01/26/22 16:36	5

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		01/26/22 16:50	01/27/22 14:22	1

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		01/26/22 16:50	01/27/22 14:24	1

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		01/26/22 16:50	01/27/22 14:26	1

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		01/26/22 16:50	01/27/22 14:28	1

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		01/26/22 16:50	01/27/22 14:30	1

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		01/26/22 16:50	01/27/22 14:31	1

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		01/26/22 16:50	01/27/22 14:33	1

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Method: 7471A - Mercury (CVAA) - DL

Client Sample ID: Unit-2-LT_SO-N
Lab Sample ID: 570-82474-1
Date Collected: 01/19/22 12:21
Matrix: Solid
Date Received: 01/21/22 13:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.64		0.820		mg/Kg		01/26/22 16:50	01/27/22 16:34	10

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-138)
570-82313-A-2-F MS	Matrix Spike	85
570-82313-A-2-G MSD	Matrix Spike Duplicate	92
570-82474-1	Unit-2-LT_SO-N	157 S1+
570-82474-2	Unit-2-LT_SO-S	117
570-82474-3	Unit-1-SST(S)_SO	114
570-82474-4	Unit-1/2-RT_SO	112
570-82474-5	Unit-1-SST_SO-W	110
570-82474-6	Unit-1-SST_SO-E	123
570-82474-7	Unit-2-SST_SO-W	119
570-82474-8	Unit-2-SST_SO-E	98
LCS 570-209149/2-A	Lab Control Sample	68
LCSD 570-209149/3-A	Lab Control Sample Dup	89
MB 570-209149/1-A	Method Blank	91

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (25-126)	DCB1 (20-155)
570-82419-A-1-A MS	Matrix Spike	66	62
570-82419-A-1-B MSD	Matrix Spike Duplicate	68	61
570-82474-1	Unit-2-LT_SO-N	65	54
570-82474-1 - DL	Unit-2-LT_SO-N	77	64
570-82474-2	Unit-2-LT_SO-S	66	55
570-82474-2 - DL	Unit-2-LT_SO-S	71	65
570-82474-3	Unit-1-SST(S)_SO	54	52
570-82474-4	Unit-1/2-RT_SO	71	72
570-82474-5	Unit-1-SST_SO-W	59	59
570-82474-6	Unit-1-SST_SO-E	68	68
570-82474-7	Unit-2-SST_SO-W	56	62
570-82474-7 - DL	Unit-2-SST_SO-W	63	69
570-82474-8	Unit-2-SST_SO-E	68	71
LCS 570-209107/6-A	Lab Control Sample	76	82
LCSD 570-209107/7-A	Lab Control Sample Dup	76	79
MB 570-209107/1-A	Method Blank	76	80

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-209149/1-A
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C7 as C7	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C19-C20	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C21-C22	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C23-C24	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C25-C28	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C29-C32	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C33-C36	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C37-C40	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C6-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*91*		*60 - 138*	*01/24/22 15:47*	*01/25/22 12:16*	*1*

Lab Sample ID: LCS 570-209149/2-A
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	367.8		mg/Kg		92	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*68*		*60 - 138*

Lab Sample ID: LCSD 570-209149/3-A
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	372.9		mg/Kg		93	80 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*89*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-82313-A-2-F MS
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	710	F1	391	1060		mg/Kg		90	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*85*		*60 - 138*

Lab Sample ID: 570-82313-A-2-G MSD
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	710	F1	392	858.9	F1	mg/Kg		39	43 - 165	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*92*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-209107/1-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1260	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*76*		*25 - 126*	*01/24/22 12:46*	*01/25/22 13:44*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*20 - 155*	*01/24/22 12:46*	*01/25/22 13:44*	*1*

Lab Sample ID: LCS 570-209107/6-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	102.6		ug/Kg		103	50 - 142
Aroclor-1260	100	95.82		ug/Kg		96	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*76*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-209107/6-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209107

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	82		20 - 155

Lab Sample ID: LCSD 570-209107/7-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209107

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	100.5		ug/Kg		100	50 - 142	2	30
Aroclor-1260			100	91.95		ug/Kg		92	50 - 150	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	76		25 - 126
DCB Decachlorobiphenyl (Surr)	79		20 - 155

Lab Sample ID: 570-82419-A-1-A MS
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 209107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		100	77.11		ug/Kg		77	20 - 175
Aroclor-1260	ND		100	77.13		ug/Kg		77	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	66		25 - 126
DCB Decachlorobiphenyl (Surr)	62		20 - 155

Lab Sample ID: 570-82419-A-1-B MSD
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 209107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.1	77.58		ug/Kg		78	20 - 175	1	40
Aroclor-1260	ND		99.1	76.69		ug/Kg		77	20 - 180	1	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	68		25 - 126
DCB Decachlorobiphenyl (Surr)	61		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-665343/1-A ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Arsenic	ND		2.94		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Barium	ND		2.94		mg/Kg		01/25/22 09:36	01/26/22 14:42	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-665343/1-A ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.490		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Cadmium	ND		0.490		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Chromium	ND		0.980		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Cobalt	ND		0.980		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Copper	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Lead	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Molybdenum	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Nickel	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Selenium	ND		2.94		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Silver	ND		1.47		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Thallium	ND		9.80		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Vanadium	ND		0.980		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Zinc	ND		4.90		mg/Kg		01/25/22 09:36	01/26/22 14:42	5

Lab Sample ID: LCS 440-665343/2-A ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.3	47.01		mg/Kg		94	80 - 120
Arsenic	50.3	44.70		mg/Kg		89	80 - 120
Barium	50.3	46.41		mg/Kg		92	80 - 120
Beryllium	50.3	46.55		mg/Kg		93	80 - 120
Cadmium	50.3	46.60		mg/Kg		93	80 - 120
Chromium	50.3	46.58		mg/Kg		93	80 - 120
Cobalt	50.3	46.41		mg/Kg		92	80 - 120
Copper	50.3	46.82		mg/Kg		93	80 - 120
Lead	50.3	45.73		mg/Kg		91	80 - 120
Molybdenum	50.3	47.51		mg/Kg		95	80 - 120
Nickel	50.3	48.35		mg/Kg		96	80 - 120
Selenium	50.3	43.69		mg/Kg		87	80 - 120
Silver	25.1	23.29		mg/Kg		93	80 - 120
Thallium	50.3	46.13		mg/Kg		92	80 - 120
Vanadium	50.3	46.66		mg/Kg		93	80 - 120
Zinc	50.3	46.14		mg/Kg		92	80 - 120

Lab Sample ID: 570-81586-A-1-C MS ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.0	12.02	F1	mg/Kg		25	75 - 125
Arsenic	5.15		49.0	50.42		mg/Kg		92	75 - 125
Barium	114		49.0	169.0		mg/Kg		112	75 - 125
Beryllium	ND		49.0	46.02		mg/Kg		93	75 - 125
Cadmium	ND		49.0	44.20		mg/Kg		90	75 - 125
Chromium	20.7		49.0	64.84		mg/Kg		90	75 - 125
Cobalt	7.71		49.0	51.58		mg/Kg		89	75 - 125
Copper	21.7		49.0	69.61		mg/Kg		98	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-81586-A-1-C MS ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	8.13		49.0	49.58		mg/Kg		85	75 - 125
Molybdenum	ND		49.0	45.87		mg/Kg		92	75 - 125
Nickel	13.8		49.0	59.03		mg/Kg		92	75 - 125
Selenium	ND		49.0	41.78		mg/Kg		85	75 - 125
Silver	ND		24.5	22.81		mg/Kg		93	75 - 125
Thallium	ND		49.0	42.93		mg/Kg		88	75 - 125
Vanadium	38.1		49.0	88.55		mg/Kg		103	75 - 125
Zinc	50.0		49.0	94.84		mg/Kg		91	75 - 125

Lab Sample ID: 570-81586-A-1-D MSD ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	50.8	14.15	F1	mg/Kg		28	75 - 125	16	20
Arsenic	5.15		50.8	51.05		mg/Kg		90	75 - 125	1	20
Barium	114		50.8	166.8		mg/Kg		104	75 - 125	1	20
Beryllium	ND		50.8	47.77		mg/Kg		93	75 - 125	4	20
Cadmium	ND		50.8	46.04		mg/Kg		90	75 - 125	4	20
Chromium	20.7		50.8	67.36		mg/Kg		92	75 - 125	4	20
Cobalt	7.71		50.8	52.97		mg/Kg		89	75 - 125	3	20
Copper	21.7		50.8	72.66		mg/Kg		100	75 - 125	4	20
Lead	8.13		50.8	52.01		mg/Kg		86	75 - 125	5	20
Molybdenum	ND		50.8	47.83		mg/Kg		92	75 - 125	4	20
Nickel	13.8		50.8	61.94		mg/Kg		95	75 - 125	5	20
Selenium	ND		50.8	43.26		mg/Kg		85	75 - 125	3	20
Silver	ND		25.4	23.72		mg/Kg		93	75 - 125	4	20
Thallium	ND		50.8	44.56		mg/Kg		88	75 - 125	4	20
Vanadium	38.1		50.8	90.29		mg/Kg		103	75 - 125	2	20
Zinc	50.0		50.8	96.51		mg/Kg		92	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-209643/1-A
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		01/26/22 16:50	01/27/22 13:54	1

Lab Sample ID: LCS 570-209643/2-A
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.8937		mg/Kg		107	85 - 121

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-209643/3-A
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209643

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.8931		mg/Kg		107	85 - 121	0	10

Lab Sample ID: 570-82486-C-1-C MS
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 209643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.806	0.8728		mg/Kg		103	71 - 137

Lab Sample ID: 570-82486-C-1-D MSD
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 209643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.794	0.8698		mg/Kg		104	71 - 137	0	14

GC Semi VOA

Analysis Batch: 209009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	8082	209107
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	8082	209107
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	8082	209107
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	8082	209107
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	8082	209107
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	8082	209107
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	8082	209107
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	8082	209107
MB 570-209107/1-A	Method Blank	Total/NA	Solid	8082	209107
LCS 570-209107/6-A	Lab Control Sample	Total/NA	Solid	8082	209107
LCSD 570-209107/7-A	Lab Control Sample Dup	Total/NA	Solid	8082	209107
570-82419-A-1-A MS	Matrix Spike	Total/NA	Solid	8082	209107
570-82419-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	209107

Prep Batch: 209107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	3546	
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	3546	
570-82474-2 - DL	Unit-2-LT_SO-S	Total/NA	Solid	3546	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	3546	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	3546	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	3546	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	3546	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	3546	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	3546	
570-82474-7 - DL	Unit-2-SST_SO-W	Total/NA	Solid	3546	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	3546	
MB 570-209107/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-209107/6-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-209107/7-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-82419-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
570-82419-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 209149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	3550C	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	3550C	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	3550C	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	3550C	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	3550C	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	3550C	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	3550C	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	3550C	
MB 570-209149/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-209149/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-209149/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-82313-A-2-F MS	Matrix Spike	Total/NA	Solid	3550C	
570-82313-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

GC Semi VOA

Analysis Batch: 209301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	8015B	209149
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	8015B	209149
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	8015B	209149
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	8015B	209149
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	8015B	209149
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	8015B	209149
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	8015B	209149
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	8015B	209149
MB 570-209149/1-A	Method Blank	Total/NA	Solid	8015B	209149
LCS 570-209149/2-A	Lab Control Sample	Total/NA	Solid	8015B	209149
LCSD 570-209149/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	209149
570-82313-A-2-F MS	Matrix Spike	Total/NA	Solid	8015B	209149
570-82313-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	209149

Analysis Batch: 209402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	8082	209107
570-82474-2 - DL	Unit-2-LT_SO-S	Total/NA	Solid	8082	209107
570-82474-7 - DL	Unit-2-SST_SO-W	Total/NA	Solid	8082	209107

Metals

Prep Batch: 209643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	7471A	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	7471A	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	7471A	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	7471A	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	7471A	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	7471A	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	7471A	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	7471A	
MB 570-209643/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-209643/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-209643/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-82486-C-1-C MS	Matrix Spike	Total/NA	Solid	7471A	
570-82486-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 209836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	7471A	209643
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	7471A	209643
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	7471A	209643
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	7471A	209643
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	7471A	209643
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	7471A	209643
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	7471A	209643
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	7471A	209643
MB 570-209643/1-A	Method Blank	Total/NA	Solid	7471A	209643
LCS 570-209643/2-A	Lab Control Sample	Total/NA	Solid	7471A	209643
LCSD 570-209643/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	209643

Metals (Continued)

Analysis Batch: 209836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82486-C-1-C MS	Matrix Spike	Total/NA	Solid	7471A	209643
570-82486-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	209643

Prep Batch: 665343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	3050B	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	3050B	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	3050B	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	3050B	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	3050B	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	3050B	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	3050B	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	3050B	
MB 440-665343/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-665343/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
570-81586-A-1-C MS ^5	Matrix Spike	Total/NA	Solid	3050B	
570-81586-A-1-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 665531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	6010B	665343
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	6010B	665343
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	6010B	665343
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	6010B	665343
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	6010B	665343
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	6010B	665343
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	6010B	665343
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	6010B	665343
MB 440-665343/1-A ^5	Method Blank	Total/NA	Solid	6010B	665343
LCS 440-665343/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	665343
570-81586-A-1-C MS ^5	Matrix Spike	Total/NA	Solid	6010B	665343
570-81586-A-1-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	665343

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-2-LT_SO-N
Lab Sample ID: 570-82474-1
Date Collected: 01/19/22 12:21
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.24 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		20			209301	01/25/22 22:19	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.08 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 17:10	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.08 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082	DL	5			209402	01/27/22 03:25	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:19	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A	DL		0.61 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A	DL	10			209836	01/27/22 16:34	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-LT_SO-S
Lab Sample ID: 570-82474-2
Date Collected: 01/19/22 12:37
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 22:40	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.15 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 17:28	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.15 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082	DL	5			209402	01/27/22 03:43	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.99 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:21	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.59 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:22	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-SST(S)_SO
Lab Sample ID: 570-82474-3
Date Collected: 01/19/22 13:02
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.24 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 23:02	N5Y3	ECL 1
	Instrument ID: GC50									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-1-SST(S)_SO
Lab Sample ID: 570-82474-3
Date Collected: 01/19/22 13:02
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.23 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 17:46	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:24	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:24	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1/2-RT_SO
Lab Sample ID: 570-82474-4
Date Collected: 01/19/22 13:18
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.13 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 23:21	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.14 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:04	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:26	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.62 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:26	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-SST_SO-W
Lab Sample ID: 570-82474-5
Date Collected: 01/19/22 13:35
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.94 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 23:42	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.24 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:22	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:28	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:28	VWJ7	ECL 1
	Instrument ID: HG8									

Lab Chronicle

Client: Roux Associates, Inc. Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-1-SST_SO-E
Lab Sample ID: 570-82474-6
Date Collected: 01/19/22 14:13 **Matrix: Solid**
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.37 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/26/22 00:03	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.21 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:40	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:31	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.63 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:30	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST_SO-W
Lab Sample ID: 570-82474-7
Date Collected: 01/19/22 14:31 **Matrix: Solid**
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.10 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/26/22 00:25	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.22 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:58	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.22 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082	DL	5			209402	01/27/22 04:01	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.96 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:33	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:31	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST_SO-E
Lab Sample ID: 570-82474-8
Date Collected: 01/19/22 14:40 **Matrix: Solid**
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.79 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/26/22 00:44	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.02 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 19:16	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-2-SST_SO-E
Lab Sample ID: 570-82474-8
Date Collected: 01/19/22 14:40
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:36	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.62 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:33	VWJ7	ECL 1
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

Accreditation/Certification Summary

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Laboratory: Eurofins Calscience Tustin

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

Method Summary

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	IRV 2
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	IRV 2
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

Sample Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-82474-1	Unit-2-LT_SO-N	Solid	01/19/22 12:21	01/21/22 13:45
570-82474-2	Unit-2-LT_SO-S	Solid	01/19/22 12:37	01/21/22 13:45
570-82474-3	Unit-1-SST(S)_SO	Solid	01/19/22 13:02	01/21/22 13:45
570-82474-4	Unit-1/2-RT_SO	Solid	01/19/22 13:18	01/21/22 13:45
570-82474-5	Unit-1-SST_SO-W	Solid	01/19/22 13:35	01/21/22 13:45
570-82474-6	Unit-1-SST_SO-E	Solid	01/19/22 14:13	01/21/22 13:45
570-82474-7	Unit-2-SST_SO-W	Solid	01/19/22 14:31	01/21/22 13:45
570-82474-8	Unit-2-SST_SO-E	Solid	01/19/22 14:40	01/21/22 13:45

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CHAIN OF CUSTODY RECORD

1/19/2022

1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us

570-82474 Chain of Custody

LABORATORY CLIENT: Roux Associates, Inc

ADDRESS: 5150 Pacific Coast Hwy, Suite 450

CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804

TEL. (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL. mnelson@rouxinc.com / dwilliams@rouxinc.com / mnishibayashi@rouxinc.com

Etiwanda Commerce Center / 3653 0001L000

PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi

P.O. NO

SAMPLER(S). (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
1	Unit-2-LT_SO-N	1/19/22	1221	Powder	1	X					X								X		X	
2	Unit-2-LT_SO-S		1237								X								X		X	
3	Unit-1-SST(S)_SO		1302								X								X		X	
4	Unit-1/2-RT_SO		1318								X								X		X	
5	Unit-1-SST_SO-W		1335								X								X		X	
6	Unit-1-SST_SO-E		1413								X								X		X	
7	Unit-2-SST_SO-W		1431								X								X		X	
8	Unit-2-SST_SO-E		1440								X								X		X	

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date 1/21/22	Time 1033
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date 1/21/22	Time 1345
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

1.0/7.1 SW

06/02/14 Revision

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-82474-1

Login Number: 82474
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-83671-1
Client Project/Site: Etiwanda Commerce Center / 3653.0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
2/10/2022 4:05:56 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-83671-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-83671-1

Comments
No additional comments.

Receipt
The samples were received on 2/4/2022 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5° C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-212191 and analytical batch 570-212372 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-83671-1

Client Sample ID: Unit-2-SST_SO-W-S

Lab Sample ID: 570-83671-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	8.4		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	17		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	19		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	12		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	9.0		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	5.1		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	83		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	53		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	420000		50000		ug/Kg	1000		8082	Total/NA
Arsenic	4.38		2.53		mg/Kg	1		6010B	Total/NA
Barium	85.8		0.505		mg/Kg	1		6010B	Total/NA
Beryllium	0.328		0.253		mg/Kg	1		6010B	Total/NA
Cadmium	1.47		0.505		mg/Kg	1		6010B	Total/NA
Cobalt	6.44		1.01		mg/Kg	1		6010B	Total/NA
Chromium	15.2		1.01		mg/Kg	1		6010B	Total/NA
Copper	11.8		1.01		mg/Kg	1		6010B	Total/NA
Molybdenum	0.729		0.505		mg/Kg	1		6010B	Total/NA
Nickel	15.6		0.505		mg/Kg	1		6010B	Total/NA
Vanadium	27.5		1.01		mg/Kg	1		6010B	Total/NA
Zinc	112		10.1		mg/Kg	1		6010B	Total/NA
Lead	7.29		5.05		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST_SO-W-N

Lab Sample ID: 570-83671-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	7.2		5.1		mg/Kg	1		8015B	Total/NA
C21-C22	10		5.1		mg/Kg	1		8015B	Total/NA
C23-C24	13		5.1		mg/Kg	1		8015B	Total/NA
C25-C28	38		5.1		mg/Kg	1		8015B	Total/NA
C29-C32	33		5.1		mg/Kg	1		8015B	Total/NA
C33-C36	24		5.1		mg/Kg	1		8015B	Total/NA
C37-C40	12		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	150		5.1		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	79		5.1		mg/Kg	1		8015B	Total/NA
Aroclor-1260	580		50		ug/Kg	1		8082	Total/NA
Arsenic	3.07		2.46		mg/Kg	1		6010B	Total/NA
Barium	98.4		0.493		mg/Kg	1		6010B	Total/NA
Beryllium	0.324		0.246		mg/Kg	1		6010B	Total/NA
Cadmium	1.77		0.493		mg/Kg	1		6010B	Total/NA
Cobalt	5.87		0.985		mg/Kg	1		6010B	Total/NA
Chromium	16.8		0.985		mg/Kg	1		6010B	Total/NA
Copper	10.7		0.985		mg/Kg	1		6010B	Total/NA
Molybdenum	0.772		0.493		mg/Kg	1		6010B	Total/NA
Nickel	15.6		0.493		mg/Kg	1		6010B	Total/NA
Vanadium	27.9		0.985		mg/Kg	1		6010B	Total/NA
Zinc	143		9.85		mg/Kg	1		6010B	Total/NA
Lead	6.54		4.93		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST_SO-W-S
Date Collected: 02/01/22 13:26
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C7 as C7	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C8 as C8	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C9-C10	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C11-C12	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C13-C14	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C15-C16	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C17-C18	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C19-C20	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C21-C22	**8.4**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C23-C24	**17**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C25-C28	**19**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C29-C32	**12**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C33-C36	**9.0**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C37-C40	**5.1**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C41-C44	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C6-C44	**83**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
Diesel Range Organics [C10-C28]	**53**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*51*	*S1-*	*60 - 138*	*02/07/22 13:02*	*02/09/22 11:23*	*1*

Client Sample ID: Unit-2-SST_SO-W-N
Date Collected: 02/01/22 13:50
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C7 as C7	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C8 as C8	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C9-C10	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C11-C12	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C13-C14	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C15-C16	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C17-C18	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C19-C20	**7.2**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C21-C22	**10**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C23-C24	**13**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C25-C28	**38**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C29-C32	**33**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C33-C36	**24**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C37-C40	**12**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C41-C44	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C6-C44	**150**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
Diesel Range Organics [C10-C28]	**79**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*60 - 138*	*02/07/22 13:02*	*02/09/22 11:53*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-SST_SO-W-S **Lab Sample ID: 570-83671-1**
Date Collected: 02/01/22 13:26 **Matrix: Solid**
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1221	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1232	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1242	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1248	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1254	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1262	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1268	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*25 - 126*	*02/04/22 17:00*	*02/07/22 11:56*	*100*
DCB Decachlorobiphenyl (Surr)	*111*		*20 - 155*	*02/04/22 17:00*	*02/07/22 11:56*	*100*

Client Sample ID: Unit-2-SST_SO-W-N **Lab Sample ID: 570-83671-2**
Date Collected: 02/01/22 13:50 **Matrix: Solid**
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1221	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1232	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1242	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1248	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1254	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1260	**580**		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1262	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1268	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*60*		*25 - 126*	*02/04/22 17:01*	*02/07/22 12:32*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*20 - 155*	*02/04/22 17:01*	*02/07/22 12:32*	*1*

Client: Roux Associates, Inc.
Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-SST_SO-W-S
Lab Sample ID: 570-83671-1
Date Collected: 02/01/22 13:26
Matrix: Solid
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	420000		50000		ug/Kg		02/04/22 17:00	02/07/22 12:14	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*95*		*25 - 126*	*02/04/22 17:00*	*02/07/22 12:14*	*1000*
DCB Decachlorobiphenyl (Surr)	*153*		*20 - 155*	*02/04/22 17:00*	*02/07/22 12:14*	*1000*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-SST_SO-W-S
Date Collected: 02/01/22 13:26
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Arsenic	**4.38**		2.53		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Barium	**85.8**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Beryllium	**0.328**		0.253		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Cadmium	**1.47**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Cobalt	**6.44**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Chromium	**15.2**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Copper	**11.8**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Molybdenum	**0.729**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Nickel	**15.6**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Antimony	ND		3.03		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Selenium	ND		5.05		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Thallium	ND		5.05		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Vanadium	**27.5**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Zinc	**112**		10.1		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Lead	**7.29**		5.05		mg/Kg		02/09/22 12:40	02/09/22 19:53	1

Client Sample ID: Unit-2-SST_SO-W-N
Date Collected: 02/01/22 13:50
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Arsenic	**3.07**		2.46		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Barium	**98.4**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Beryllium	**0.324**		0.246		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Cadmium	**1.77**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Cobalt	**5.87**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Chromium	**16.8**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Copper	**10.7**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Molybdenum	**0.772**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Nickel	**15.6**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Antimony	ND		2.96		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Selenium	ND		4.93		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Thallium	ND		4.93		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Vanadium	**27.9**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Zinc	**143**		9.85		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Lead	**6.54**		4.93		mg/Kg		02/09/22 12:40	02/09/22 19:51	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-SST_SO-W-S **Lab Sample ID: 570-83671-1**
Date Collected: 02/01/22 13:26 **Matrix: Solid**
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		02/09/22 14:30	02/09/22 16:48	1

Client Sample ID: Unit-2-SST_SO-W-N **Lab Sample ID: 570-83671-2**
Date Collected: 02/01/22 13:50 **Matrix: Solid**
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		02/09/22 14:30	02/09/22 16:50	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-83671-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
440-294958-B-1-A MS	Matrix Spike	104
440-294958-B-1-B MSD	Matrix Spike Duplicate	99
570-83671-1	Unit-2-SST_SO-W-S	51 S1-
570-83671-2	Unit-2-SST_SO-W-N	100
LCS 570-211727/2-A	Lab Control Sample	105
LCSD 570-211727/3-A	Lab Control Sample Dup	97
MB 570-211727/1-A	Method Blank	98

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
570-83615-A-1-C MS	Matrix Spike	60	67
570-83615-A-1-D MSD	Matrix Spike Duplicate	58	65
570-83671-1	Unit-2-SST_SO-W-S	77	111
570-83671-1 - DL	Unit-2-SST_SO-W-S	95	153
570-83671-2	Unit-2-SST_SO-W-N	60	71
LCS 570-211453/6-A	Lab Control Sample	72	84
LCSD 570-211453/7-A	Lab Control Sample Dup	66	69
MB 570-211453/1-A	Method Blank	70	81

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-211727/1-A
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C7 as C7	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C8 as C8	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C9-C10	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C11-C12	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C13-C14	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C15-C16	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C17-C18	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C19-C20	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C21-C22	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C23-C24	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C25-C28	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C29-C32	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C33-C36	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C37-C40	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C41-C44	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C6-C44	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*98*		*60 - 138*	*02/07/22 13:02*	*02/07/22 20:53*	*1*

Lab Sample ID: LCS 570-211727/2-A
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	383.0		mg/Kg		96	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*105*		*60 - 138*

Lab Sample ID: LCSD 570-211727/3-A
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	364.9		mg/Kg		91	80 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*97*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-294958-B-1-A MS
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	11		399	395.3		mg/Kg		96	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Lab Sample ID: 440-294958-B-1-B MSD
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	11		404	400.3		mg/Kg		97	43 - 165	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*99*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-211453/1-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1221	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1232	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1242	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1248	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1254	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1260	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1262	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1268	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*70*		*25 - 126*	*02/04/22 16:57*	*02/07/22 10:44*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*20 - 155*	*02/04/22 16:57*	*02/07/22 10:44*	*1*

Lab Sample ID: LCS 570-211453/6-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	94.05		ug/Kg		94	50 - 142
Aroclor-1260	100	99.69		ug/Kg		100	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*72*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-211453/6-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211453

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	84		20 - 155

Lab Sample ID: LCSD 570-211453/7-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 211453

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	87.09		ug/Kg		87	50 - 142	8	30
Aroclor-1260			100	91.50		ug/Kg		91	50 - 150	9	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	66		25 - 126
DCB Decachlorobiphenyl (Surr)	69		20 - 155

Lab Sample ID: 570-83615-A-1-C MS
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 211453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.3	83.43		ug/Kg		84	20 - 175
Aroclor-1260	ND		99.3	85.38		ug/Kg		86	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	60		25 - 126
DCB Decachlorobiphenyl (Surr)	67		20 - 155

Lab Sample ID: 570-83615-A-1-D MSD
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 211453

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.2	79.80		ug/Kg		80	20 - 175	4	40
Aroclor-1260	ND		99.2	81.55		ug/Kg		82	20 - 180	5	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	58		25 - 126
DCB Decachlorobiphenyl (Surr)	65		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-212191/1-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Arsenic	ND		2.63		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Barium	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-212191/1-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.263		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Cadmium	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Cobalt	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Chromium	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Copper	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Molybdenum	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Nickel	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Antimony	ND		3.16		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Selenium	ND		5.26		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Thallium	ND		5.26		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Vanadium	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Zinc	ND		10.5		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Lead	ND		5.26		mg/Kg		02/09/22 12:40	02/09/22 18:41	1

Lab Sample ID: LCS 570-212191/2-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	13.1	12.42		mg/Kg		95	80 - 120
Arsenic	26.2	24.13		mg/Kg		92	80 - 120
Barium	26.2	26.78		mg/Kg		102	80 - 120
Beryllium	26.2	26.51		mg/Kg		101	80 - 120
Cadmium	26.2	26.67		mg/Kg		102	80 - 120
Cobalt	26.2	26.33		mg/Kg		101	80 - 120
Chromium	26.2	24.54		mg/Kg		94	80 - 120
Copper	26.2	25.75		mg/Kg		98	80 - 120
Molybdenum	26.2	24.96		mg/Kg		95	80 - 120
Nickel	26.2	26.20		mg/Kg		100	80 - 120
Antimony	26.2	25.42		mg/Kg		97	80 - 120
Selenium	26.2	26.00		mg/Kg		99	80 - 120
Thallium	26.2	25.53		mg/Kg		98	80 - 120
Vanadium	26.2	24.68		mg/Kg		94	80 - 120
Zinc	26.2	27.07		mg/Kg		103	80 - 120
Lead	26.2	25.74		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 570-212191/3-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	13.1	12.46		mg/Kg		95	80 - 120	0	20
Arsenic	26.2	24.06		mg/Kg		92	80 - 120	0	20
Barium	26.2	26.96		mg/Kg		103	80 - 120	1	20
Beryllium	26.2	26.45		mg/Kg		101	80 - 120	0	20
Cadmium	26.2	26.75		mg/Kg		102	80 - 120	0	20
Cobalt	26.2	26.26		mg/Kg		100	80 - 120	0	20
Chromium	26.2	24.59		mg/Kg		94	80 - 120	0	20
Copper	26.2	25.88		mg/Kg		99	80 - 120	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-212191/3-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	26.2	25.24		mg/Kg		96	80 - 120	1	20
Nickel	26.2	26.22		mg/Kg		100	80 - 120	0	20
Antimony	26.2	25.86		mg/Kg		99	80 - 120	2	20
Selenium	26.2	26.31		mg/Kg		101	80 - 120	1	20
Thallium	26.2	25.72		mg/Kg		98	80 - 120	1	20
Vanadium	26.2	24.71		mg/Kg		94	80 - 120	0	20
Zinc	26.2	27.17		mg/Kg		104	80 - 120	0	20
Lead	26.2	25.85		mg/Kg		99	80 - 120	0	20

Lab Sample ID: 570-83541-A-5-F MS
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		13.0	10.77		mg/Kg		83	75 - 125
Arsenic	ND		25.9	25.14		mg/Kg		96	75 - 125
Barium	4.48	F1	25.9	73.33	F1	mg/Kg		266	75 - 125
Beryllium	ND		25.9	26.41		mg/Kg		102	75 - 125
Cadmium	ND		25.9	25.47		mg/Kg		98	75 - 125
Cobalt	0.515		25.9	29.43		mg/Kg		112	75 - 125
Chromium	0.728		25.9	32.84		mg/Kg		124	75 - 125
Copper	0.423		25.9	28.50		mg/Kg		108	75 - 125
Molybdenum	0.125		25.9	24.75		mg/Kg		95	75 - 125
Nickel	0.528		25.9	31.93		mg/Kg		121	75 - 125
Antimony	ND	F1	25.9	6.591	F1	mg/Kg		25	75 - 125
Selenium	ND		25.9	22.96		mg/Kg		89	75 - 125
Thallium	ND		25.9	22.67		mg/Kg		88	75 - 125
Vanadium	1.27	F1	25.9	37.58	F1	mg/Kg		140	75 - 125
Zinc	1.96	F1	25.9	46.10	F1	mg/Kg		170	75 - 125
Lead	ND		25.9	26.30		mg/Kg		101	75 - 125

Lab Sample ID: 570-83541-A-5-G MSD
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		13.2	10.96		mg/Kg		83	75 - 125	2	20
Arsenic	ND		26.3	25.41		mg/Kg		96	75 - 125	1	20
Barium	4.48	F1	26.3	73.95	F1	mg/Kg		264	75 - 125	1	20
Beryllium	ND		26.3	26.81		mg/Kg		102	75 - 125	1	20
Cadmium	ND		26.3	25.82		mg/Kg		98	75 - 125	1	20
Cobalt	0.515		26.3	30.02		mg/Kg		112	75 - 125	2	20
Chromium	0.728		26.3	33.21		mg/Kg		123	75 - 125	1	20
Copper	0.423		26.3	28.82		mg/Kg		108	75 - 125	1	20
Molybdenum	0.125		26.4	25.14		mg/Kg		95	75 - 125	2	20
Nickel	0.528		26.3	32.29		mg/Kg		121	75 - 125	1	20
Antimony	ND	F1	26.3	6.782	F1	mg/Kg		26	75 - 125	3	20
Selenium	ND		26.3	22.71		mg/Kg		86	75 - 125	1	20
Thallium	ND		26.3	22.74		mg/Kg		86	75 - 125	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-83541-A-5-G MSD
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	1.27	F1	26.3	38.25	F1	mg/Kg		141	75 - 125	2	20
Zinc	1.96	F1	26.3	46.58	F1	mg/Kg		170	75 - 125	1	20
Lead	ND		26.3	26.64		mg/Kg		100	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-212167/1-A
Matrix: Solid
Analysis Batch: 212244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		02/09/22 11:09	02/09/22 14:04	1

Lab Sample ID: LCS 570-212167/2-A
Matrix: Solid
Analysis Batch: 212244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.820	0.7623		mg/Kg		93	85 - 121

Lab Sample ID: LCSD 570-212167/3-A
Matrix: Solid
Analysis Batch: 212244

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 212167

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.7744		mg/Kg		93	85 - 121	2	10

Lab Sample ID: 570-83891-A-9-B MS
Matrix: Solid
Analysis Batch: 212244

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 212167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.327		0.794	0.9050		mg/Kg		73	71 - 137

Lab Sample ID: 570-83891-A-9-C MSD
Matrix: Solid
Analysis Batch: 212244

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 212167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.327		0.806	0.9247		mg/Kg		74	71 - 137	2	14

GC Semi VOA

Prep Batch: 211453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	3546	
570-83671-1 - DL	Unit-2-SST_SO-W-S	Total/NA	Solid	3546	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	3546	
MB 570-211453/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-211453/6-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-211453/7-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-83615-A-1-C MS	Matrix Spike	Total/NA	Solid	3546	
570-83615-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 211574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	8082	211453
570-83671-1 - DL	Unit-2-SST_SO-W-S	Total/NA	Solid	8082	211453
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	8082	211453
MB 570-211453/1-A	Method Blank	Total/NA	Solid	8082	211453
LCS 570-211453/6-A	Lab Control Sample	Total/NA	Solid	8082	211453
LCSD 570-211453/7-A	Lab Control Sample Dup	Total/NA	Solid	8082	211453
570-83615-A-1-C MS	Matrix Spike	Total/NA	Solid	8082	211453
570-83615-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	211453

Prep Batch: 211727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	3550C	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	3550C	
MB 570-211727/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-211727/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-211727/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
440-294958-B-1-A MS	Matrix Spike	Total/NA	Solid	3550C	
440-294958-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 211741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-211727/1-A	Method Blank	Total/NA	Solid	8015B	211727
LCS 570-211727/2-A	Lab Control Sample	Total/NA	Solid	8015B	211727
LCSD 570-211727/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	211727
440-294958-B-1-A MS	Matrix Spike	Total/NA	Solid	8015B	211727
440-294958-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	211727

Analysis Batch: 212033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	8015B	211727
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	8015B	211727

Metals

Prep Batch: 212167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	7471A	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	7471A	
MB 570-212167/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-212167/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 212167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-212167/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-83891-A-9-B MS	Matrix Spike	Total/NA	Solid	7471A	
570-83891-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Prep Batch: 212191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	3050B	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	3050B	
MB 570-212191/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-212191/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-212191/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-83541-A-5-F MS	Matrix Spike	Total/NA	Solid	3050B	
570-83541-A-5-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 212244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	7471A	212167
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	7471A	212167
MB 570-212167/1-A	Method Blank	Total/NA	Solid	7471A	212167
LCS 570-212167/2-A	Lab Control Sample	Total/NA	Solid	7471A	212167
LCSD 570-212167/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	212167
570-83891-A-9-B MS	Matrix Spike	Total/NA	Solid	7471A	212167
570-83891-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	212167

Analysis Batch: 212372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	6010B	212191
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	6010B	212191
MB 570-212191/1-A	Method Blank	Total/NA	Solid	6010B	212191
LCS 570-212191/2-A	Lab Control Sample	Total/NA	Solid	6010B	212191
LCSD 570-212191/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	212191
570-83541-A-5-F MS	Matrix Spike	Total/NA	Solid	6010B	212191
570-83541-A-5-G MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	212191

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Client Sample ID: Unit-2-SST_SO-W-S
Lab Sample ID: 570-83671-1
Date Collected: 02/01/22 13:26
Matrix: Solid
Date Received: 02/04/22 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.23 g	10 mL	211727	02/07/22 13:02	UFLU	ECL 1
Total/NA	Analysis	8015B		1			212033	02/09/22 11:23	A1W	ECL 1
	Instrument ID: GC93A									
Total/NA	Prep	3546			20.13 g	10 mL	211453	02/04/22 17:00	USUL	ECL 1
Total/NA	Analysis	8082		100			211574	02/07/22 11:56	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.13 g	10 mL	211453	02/04/22 17:00	USUL	ECL 1
Total/NA	Analysis	8082	DL	1000			211574	02/07/22 12:14	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	212191	02/09/22 12:40		ECL 4
Total/NA	Analysis	6010B		1			212372	02/09/22 19:53	UWCT	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.58 g	100 mL	212167	02/09/22 14:30	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			212244	02/09/22 16:48	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST_SO-W-N
Lab Sample ID: 570-83671-2
Date Collected: 02/01/22 13:50
Matrix: Solid
Date Received: 02/04/22 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.87 g	10 mL	211727	02/07/22 13:02	UFLU	ECL 1
Total/NA	Analysis	8015B		1			212033	02/09/22 11:53	A1W	ECL 1
	Instrument ID: GC93A									
Total/NA	Prep	3546			20.11 g	10 mL	211453	02/04/22 17:01	USUL	ECL 1
Total/NA	Analysis	8082		1			211574	02/07/22 12:32	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	212191	02/09/22 12:40		ECL 4
Total/NA	Analysis	6010B		1			212372	02/09/22 19:51	UWCT	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.60 g	100 mL	212167	02/09/22 14:30	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			212244	02/09/22 16:50	VWJ7	ECL 4
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc. Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-83671-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 4
7471A	Mercury (CVAA)	SW846	ECL 4
3050B	Preparation, Metals	SW846	ECL 4
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-83671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-83671-1	Unit-2-SST_SO-W-S	Solid	02/01/22 13:26	02/04/22 14:00
570-83671-2	Unit-2-SST_SO-W-N	Solid	02/01/22 13:50	02/04/22 14:00

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570-83671 Chain of Custody

CHAIN OF CUSTODY RECORD

83671

DATE: 2/1/2022

PAGE: 1 OF 1

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information contact us26_sales@eurofinsus com or call us

LABORATORY CLIENT: Roux Associates, Inc		Etiwanda Commerce Center / 3653 0001L000	PO NO
ADDRESS: 5150 Pacific Coast Hwy Suite 450		PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi	SAMPLER(S) (PRINT): Drew Williams
CITY: Long Beach, CA 90804	STATE: CA ZIP: 90804		
TEL.: (818) 726-4265 / (610) 246-3352 / (818) 383-2312	E-MAIL.: mnelson@rouxinc com / dwilliams@rouxinc com / mnishibayashi@rouxinc.com		

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE

SPECIAL INSTRUCTIONS.

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6
1	Unit-2-SST_SO-W-S	2/1/22	1326	Powder	2	X					X								X		X	
2	Unit-2-SST_SO-W-N	2/1/22	1350	Powder	2	X					X								X		X	

Relinquished by (Signature)	Received by: (Signature/Affiliation)	Date: 2/4/22	Time: 1136
Relinquished by (Signature)	Received by: (Signature/Affiliation)	Date: 2/4/22	Time: 1400
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

20/35 SCG

06/02/14 Revision

2/10/2022

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-83671-1

Login Number: 83671
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-84590-1
Client Project/Site: Etiwanda Commerce Center/3653.0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
2/23/2022 11:18:56 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Roux Associates, Inc. Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-84590-1

Comments
No additional comments.

Receipt
The samples were received on 2/15/2022 5:49 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): Unit-2-SST-SO-W-S1 (570-84590-1). The container labels list Unit-2-SST-SO-W-S2 while the COC lists Unit-2-SST-SO-W-S1 .

The clients office was contacted with the above sample receipt anomalies. The laboratory was provided written direction on how to proceed, please refer to the COC section of the report for further details.

GC Semi VOA
Method 8082: The following sample required a dilution due to the nature of the sample matrix: Unit-2-SST-SO-W-W (570-84590-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-214171 and analytical batch 570-214730 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: Due to the high concentration of Barium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-214171 and analytical batch 570-214730 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Client Sample ID: Unit-2-SST-SO-W-S1

Lab Sample ID: 570-84590-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	14		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	26		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	40		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	31		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	17		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	140		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	87		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	31000		5000		ug/Kg	100		8082	Total/NA
Arsenic	3.17		2.53		mg/Kg	1		6010B	Total/NA
Barium	110		0.505		mg/Kg	1		6010B	Total/NA
Beryllium	0.390		0.253		mg/Kg	1		6010B	Total/NA
Cadmium	1.12		0.505		mg/Kg	1		6010B	Total/NA
Cobalt	9.43		1.01		mg/Kg	1		6010B	Total/NA
Chromium	19.0		1.01		mg/Kg	1		6010B	Total/NA
Copper	14.8		1.01		mg/Kg	1		6010B	Total/NA
Molybdenum	0.712		0.505		mg/Kg	1		6010B	Total/NA
Nickel	15.9		0.505		mg/Kg	1		6010B	Total/NA
Vanadium	37.2		1.01		mg/Kg	1		6010B	Total/NA
Zinc	88.9		10.1		mg/Kg	1		6010B	Total/NA
Lead	5.17		5.05		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST-SO-W-W

Lab Sample ID: 570-84590-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	6.4		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	26		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	49		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	64		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	41		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	21		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	220		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	150		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL2	110000	p	50000		ug/Kg	1000		8082	Total/NA
Arsenic	3.97		2.48		mg/Kg	1		6010B	Total/NA
Barium	94.6		0.495		mg/Kg	1		6010B	Total/NA
Beryllium	0.373		0.248		mg/Kg	1		6010B	Total/NA
Cadmium	0.668		0.495		mg/Kg	1		6010B	Total/NA
Cobalt	9.80		0.990		mg/Kg	1		6010B	Total/NA
Chromium	18.4		0.990		mg/Kg	1		6010B	Total/NA
Copper	14.5		0.990		mg/Kg	1		6010B	Total/NA
Molybdenum	1.11		0.495		mg/Kg	1		6010B	Total/NA
Nickel	15.7		0.495		mg/Kg	1		6010B	Total/NA
Vanadium	33.7		0.990		mg/Kg	1		6010B	Total/NA
Zinc	49.7		9.90		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST-SO-W-SW

Lab Sample ID: 570-84590-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	5.4		5.1		mg/Kg	1		8015B	Total/NA
C21-C22	17		5.1		mg/Kg	1		8015B	Total/NA
C23-C24	29		5.1		mg/Kg	1		8015B	Total/NA
C25-C28	58		5.1		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Client Sample ID: Unit-2-SST-SO-W-SW (Continued)

Lab Sample ID: 570-84590-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C29-C32	45		5.1		mg/Kg	1		8015B	Total/NA
C33-C36	23		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	190		5.1		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	110		5.1		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	24000		5000		ug/Kg	100		8082	Total/NA
Arsenic	2.84		2.53		mg/Kg	1		6010B	Total/NA
Barium	93.0		0.505		mg/Kg	1		6010B	Total/NA
Beryllium	0.390		0.253		mg/Kg	1		6010B	Total/NA
Cadmium	0.714		0.505		mg/Kg	1		6010B	Total/NA
Cobalt	10.5		1.01		mg/Kg	1		6010B	Total/NA
Chromium	15.5		1.01		mg/Kg	1		6010B	Total/NA
Copper	11.2		1.01		mg/Kg	1		6010B	Total/NA
Molybdenum	0.639		0.505		mg/Kg	1		6010B	Total/NA
Nickel	12.2		0.505		mg/Kg	1		6010B	Total/NA
Vanadium	33.8		1.01		mg/Kg	1		6010B	Total/NA
Zinc	49.5		10.1		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST-SO-W-S1
Date Collected: 02/15/22 09:36
Date Received: 02/15/22 17:49

Lab Sample ID: 570-84590-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C7 as C7	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C8 as C8	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C9-C10	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C11-C12	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C13-C14	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C15-C16	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C17-C18	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C19-C20	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C21-C22	**14**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C23-C24	**26**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C25-C28	**40**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C29-C32	**31**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C33-C36	**17**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C37-C40	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C41-C44	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C6-C44	**140**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
Diesel Range Organics [C10-C28]	**87**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*60 - 138*	*02/19/22 08:43*	*02/22/22 03:14*	*1*

Client Sample ID: Unit-2-SST-SO-W-W
Date Collected: 02/15/22 09:48
Date Received: 02/15/22 17:49

Lab Sample ID: 570-84590-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C7 as C7	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C8 as C8	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C9-C10	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C11-C12	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C13-C14	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C15-C16	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C17-C18	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C19-C20	**6.4**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C21-C22	**26**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C23-C24	**49**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C25-C28	**64**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C29-C32	**41**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C33-C36	**21**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C37-C40	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C41-C44	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C6-C44	**220**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
Diesel Range Organics [C10-C28]	**150**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*60 - 138*	*02/19/22 08:43*	*02/22/22 03:40*	*1*

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C7 as C7	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C8 as C8	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C9-C10	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C11-C12	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C13-C14	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C15-C16	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C17-C18	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C19-C20	**5.4**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C21-C22	**17**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C23-C24	**29**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C25-C28	**58**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C29-C32	**45**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C33-C36	**23**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C37-C40	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C41-C44	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C6-C44	**190**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
Diesel Range Organics [C10-C28]	**110**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*60 - 138*	*02/19/22 08:43*	*02/22/22 04:07*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-SST-SO-W-S1
Date Collected: 02/15/22 09:36
Date Received: 02/15/22 17:49

Lab Sample ID: 570-84590-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*61*		*25 - 126*	*02/17/22 16:19*	*02/19/22 18:01*	*1*
DCB Decachlorobiphenyl (Surr)	*57*		*20 - 155*	*02/17/22 16:19*	*02/19/22 18:01*	*1*

Client Sample ID: Unit-2-SST-SO-W-W
Date Collected: 02/15/22 09:48
Date Received: 02/15/22 17:49

Lab Sample ID: 570-84590-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*63*		*25 - 126*	*02/17/22 16:19*	*02/19/22 18:19*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*20 - 155*	*02/17/22 16:19*	*02/19/22 18:19*	*1*

Client Sample ID: Unit-2-SST-SO-W-SW
Date Collected: 02/15/22 10:04
Date Received: 02/15/22 17:49

Lab Sample ID: 570-84590-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*73*		*25 - 126*	*02/17/22 16:19*	*02/19/22 18:37*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 155*	*02/17/22 16:19*	*02/19/22 18:37*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-SST-SO-W-S1
Lab Sample ID: 570-84590-1
Date Collected: 02/15/22 09:36
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	31000		5000		ug/Kg		02/17/22 16:19	02/21/22 11:59	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*02/17/22 16:19*	*02/21/22 11:59*	*100*
DCB Decachlorobiphenyl (Surr)	*73*		*20 - 155*	*02/17/22 16:19*	*02/21/22 11:59*	*100*

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	24000		5000		ug/Kg		02/17/22 16:19	02/21/22 12:35	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*	*02/17/22 16:19*	*02/21/22 12:35*	*100*
DCB Decachlorobiphenyl (Surr)	*132*		*20 - 155*	*02/17/22 16:19*	*02/21/22 12:35*	*100*

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Client Sample ID: Unit-2-SST-SO-W-W
Lab Sample ID: 570-84590-2
Date Collected: 02/15/22 09:48
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	110000	p	50000		ug/Kg		02/17/22 16:19	02/21/22 12:53	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*111*		*25 - 126*	*02/17/22 16:19*	*02/21/22 12:53*	*1000*
DCB Decachlorobiphenyl (Surr)	*164*	*S1+*	*20 - 155*	*02/17/22 16:19*	*02/21/22 12:53*	*1000*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-SST-SO-W-S1
Date Collected: 02/15/22 09:36
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Arsenic	**3.17**		2.53		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Barium	**110**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Beryllium	**0.390**		0.253		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Cadmium	**1.12**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Cobalt	**9.43**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Chromium	**19.0**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Copper	**14.8**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Molybdenum	**0.712**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Nickel	**15.9**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Antimony	ND		3.03		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Selenium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Thallium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Vanadium	**37.2**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Zinc	**88.9**		10.1		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Lead	**5.17**		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:20	1

Client Sample ID: Unit-2-SST-SO-W-W
Date Collected: 02/15/22 09:48
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Arsenic	**3.97**		2.48		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Barium	**94.6**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Beryllium	**0.373**		0.248		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Cadmium	**0.668**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Cobalt	**9.80**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Chromium	**18.4**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Copper	**14.5**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Molybdenum	**1.11**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Nickel	**15.7**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Antimony	ND		2.97		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Selenium	ND		4.95		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Thallium	ND		4.95		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Vanadium	**33.7**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Zinc	**49.7**		9.90		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Lead	ND		4.95		mg/Kg		02/21/22 09:10	02/22/22 11:23	1

Client Sample ID: Unit-2-SST-SO-W-SW
Date Collected: 02/15/22 10:04
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Arsenic	**2.84**		2.53		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Barium	**93.0**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Beryllium	**0.390**		0.253		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Cadmium	**0.714**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Cobalt	**10.5**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Chromium	**15.5**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Copper	**11.2**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	**0.639**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Nickel	**12.2**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Antimony	ND		3.03		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Selenium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Thallium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Vanadium	**33.8**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Zinc	**49.5**		10.1		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Lead	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:26	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-SST-SO-W-S1 **Lab Sample ID: 570-84590-1**
Date Collected: 02/15/22 09:36 **Matrix: Solid**
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		02/18/22 16:24	02/21/22 16:49	1

Client Sample ID: Unit-2-SST-SO-W-W **Lab Sample ID: 570-84590-2**
Date Collected: 02/15/22 09:48 **Matrix: Solid**
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		02/18/22 16:24	02/21/22 16:51	1

Client Sample ID: Unit-2-SST-SO-W-SW **Lab Sample ID: 570-84590-3**
Date Collected: 02/15/22 10:04 **Matrix: Solid**
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		02/18/22 16:24	02/21/22 16:57	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-84590-1	Unit-2-SST-SO-W-S1	86
570-84590-2	Unit-2-SST-SO-W-W	90
570-84590-3	Unit-2-SST-SO-W-SW	94
570-84695-D-43-B MS	Matrix Spike	108
570-84695-D-43-C MSD	Matrix Spike Duplicate	103
LCS 570-214204/2-A	Lab Control Sample	114
LCSD 570-214204/3-A	Lab Control Sample Dup	116
MB 570-214204/1-A	Method Blank	111

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
570-84590-1	Unit-2-SST-SO-W-S1	61	57
570-84590-1 - DL	Unit-2-SST-SO-W-S1	66	73
570-84590-2	Unit-2-SST-SO-W-W	63	110
570-84590-2 - DL2	Unit-2-SST-SO-W-W	111	164 S1+
570-84590-3	Unit-2-SST-SO-W-SW	73	92
570-84590-3 - DL	Unit-2-SST-SO-W-SW	78	132
570-84675-A-7-C MS	Matrix Spike	70	64
570-84675-A-7-D MSD	Matrix Spike Duplicate	69	62
LCS 570-213917/6-A	Lab Control Sample	84	90
LCSD 570-213917/7-A	Lab Control Sample Dup	80	89
MB 570-213917/1-A	Method Blank	79	87

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-214204/1-A
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C7 as C7	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C8 as C8	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C9-C10	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C11-C12	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C13-C14	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C15-C16	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C17-C18	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C19-C20	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C21-C22	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C23-C24	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C25-C28	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C29-C32	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C33-C36	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C37-C40	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C41-C44	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C6-C44	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*111*		*60 - 138*	*02/18/22 17:49*	*02/18/22 22:21*	*1*

Lab Sample ID: LCS 570-214204/2-A
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	420.6		mg/Kg		105	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*114*		*60 - 138*

Lab Sample ID: LCSD 570-214204/3-A
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	412.8		mg/Kg		103	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*116*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-84695-D-43-B MS
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	35		391	594.9		mg/Kg		143	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: 570-84695-D-43-C MSD
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	35		392	447.8		mg/Kg		105	43 - 165	28	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*103*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-213917/1-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 213917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1260	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*	*02/17/22 16:19*	*02/19/22 21:00*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*20 - 155*	*02/17/22 16:19*	*02/19/22 21:00*	*1*

Lab Sample ID: LCS 570-213917/6-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	105.0		ug/Kg		105	50 - 142
Aroclor-1260	100	100.3		ug/Kg		100	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*84*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-213917/6-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213917

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	90		20 - 155

Lab Sample ID: LCSD 570-213917/7-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 213917

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	100	90.73		ug/Kg		91	50 - 142	15	30
Aroclor-1260	100	98.82		ug/Kg		99	50 - 150	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	80		25 - 126
DCB Decachlorobiphenyl (Surr)	89		20 - 155

Lab Sample ID: 570-84675-A-7-C MS
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 213917

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.6	118.3		ug/Kg		119	20 - 175
Aroclor-1260	ND		99.6	104.4		ug/Kg		105	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	70		25 - 126
DCB Decachlorobiphenyl (Surr)	64		20 - 155

Lab Sample ID: 570-84675-A-7-D MSD
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 213917

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		98.5	98.62		ug/Kg		100	20 - 175	18	40
Aroclor-1260	ND		98.5	97.95		ug/Kg		99	20 - 180	6	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	69		25 - 126
DCB Decachlorobiphenyl (Surr)	62		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-214171/1-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Arsenic	ND		2.50		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Barium	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-214171/1-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.250		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Cadmium	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Cobalt	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Chromium	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Copper	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Molybdenum	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Nickel	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Antimony	ND		3.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Selenium	ND		5.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Thallium	ND		5.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Vanadium	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Zinc	ND		10.0		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Lead	ND		5.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1

Lab Sample ID: LCS 570-214171/2-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	13.0	14.02		mg/Kg		108	80 - 120
Arsenic	25.9	27.86		mg/Kg		108	80 - 120
Barium	25.9	28.70		mg/Kg		111	80 - 120
Beryllium	25.9	26.08		mg/Kg		101	80 - 120
Cadmium	25.9	29.69		mg/Kg		115	80 - 120
Cobalt	25.9	28.00		mg/Kg		108	80 - 120
Chromium	25.9	27.22		mg/Kg		105	80 - 120
Copper	25.9	28.43		mg/Kg		110	80 - 120
Molybdenum	25.9	28.95		mg/Kg		112	80 - 120
Nickel	25.9	28.37		mg/Kg		109	80 - 120
Antimony	25.9	28.56		mg/Kg		110	80 - 120
Selenium	25.9	26.86		mg/Kg		104	80 - 120
Thallium	25.9	29.14		mg/Kg		112	80 - 120
Vanadium	25.9	27.96		mg/Kg		108	80 - 120
Zinc	25.9	29.51		mg/Kg		114	80 - 120
Lead	25.9	29.23		mg/Kg		113	80 - 120

Lab Sample ID: LCSD 570-214171/3-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	13.1	14.25		mg/Kg		109	80 - 120	2	20
Arsenic	26.2	28.24		mg/Kg		108	80 - 120	1	20
Barium	26.2	28.98		mg/Kg		111	80 - 120	1	20
Beryllium	26.2	26.52		mg/Kg		101	80 - 120	2	20
Cadmium	26.2	30.18		mg/Kg		115	80 - 120	2	20
Cobalt	26.2	28.46		mg/Kg		109	80 - 120	2	20
Chromium	26.2	27.29		mg/Kg		104	80 - 120	0	20
Copper	26.2	28.78		mg/Kg		110	80 - 120	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-214171/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 214730
Prep Batch: 214171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	26.2	29.46		mg/Kg		112	80 - 120	2	20
Nickel	26.2	28.81		mg/Kg		110	80 - 120	2	20
Antimony	26.2	28.77		mg/Kg		110	80 - 120	1	20
Selenium	26.2	27.37		mg/Kg		105	80 - 120	2	20
Thallium	26.2	29.59		mg/Kg		113	80 - 120	2	20
Vanadium	26.2	28.43		mg/Kg		109	80 - 120	2	20
Zinc	26.2	29.83		mg/Kg		114	80 - 120	1	20
Lead	26.2	29.58		mg/Kg		113	80 - 120	1	20

Lab Sample ID: 570-84044-A-1-I MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 214730
Prep Batch: 214171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.6	13.88		mg/Kg		110	75 - 125
Arsenic	5.45		25.3	31.70		mg/Kg		104	75 - 125
Barium	130		25.3	166.8	4	mg/Kg		145	75 - 125
Beryllium	0.454		25.3	25.80		mg/Kg		100	75 - 125
Cadmium	0.799		25.3	25.66		mg/Kg		98	75 - 125
Cobalt	14.6		25.3	38.50		mg/Kg		95	75 - 125
Chromium	20.5		25.3	47.32		mg/Kg		106	75 - 125
Copper	24.9		25.3	48.68		mg/Kg		94	75 - 125
Molybdenum	0.757		25.3	24.82		mg/Kg		95	75 - 125
Nickel	17.3		25.3	45.24		mg/Kg		111	75 - 125
Antimony	ND	F1	25.3	11.47	F1	mg/Kg		39	75 - 125
Selenium	ND		25.3	19.56		mg/Kg		77	75 - 125
Thallium	ND		25.3	22.06		mg/Kg		87	75 - 125
Vanadium	34.8		25.3	61.09		mg/Kg		104	75 - 125
Zinc	75.7		25.3	99.87		mg/Kg		96	75 - 125
Lead	13.6		25.3	38.04		mg/Kg		97	75 - 125

Lab Sample ID: 570-84044-A-1-J MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 214730
Prep Batch: 214171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.5	13.93		mg/Kg		111	75 - 125	0	20
Arsenic	5.45		25.0	31.95		mg/Kg		106	75 - 125	1	20
Barium	130		25.0	167.8	4	mg/Kg		150	75 - 125	1	20
Beryllium	0.454		25.0	25.85		mg/Kg		102	75 - 125	0	20
Cadmium	0.799		25.0	25.85		mg/Kg		100	75 - 125	1	20
Cobalt	14.6		25.0	38.63		mg/Kg		96	75 - 125	0	20
Chromium	20.5		25.0	47.66		mg/Kg		109	75 - 125	1	20
Copper	24.9		25.0	48.97		mg/Kg		96	75 - 125	1	20
Molybdenum	0.757		25.0	25.24		mg/Kg		98	75 - 125	2	20
Nickel	17.3		25.0	45.90		mg/Kg		114	75 - 125	1	20
Antimony	ND	F1	25.0	12.14	F1	mg/Kg		42	75 - 125	6	20
Selenium	ND		25.0	20.04		mg/Kg		80	75 - 125	2	20
Thallium	ND		25.0	22.49		mg/Kg		90	75 - 125	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-84044-A-1-J MSD
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	34.8		25.0	61.07		mg/Kg		105	75 - 125	0	20
Zinc	75.7		25.0	100.5		mg/Kg		99	75 - 125	1	20
Lead	13.6		25.0	38.54		mg/Kg		100	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-214186/1-A
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		02/18/22 16:24	02/21/22 16:12	1

Lab Sample ID: LCS 570-214186/2-A
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.820	0.7919		mg/Kg		97	85 - 121

Lab Sample ID: LCSD 570-214186/3-A
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.8150		mg/Kg		98	85 - 121	3	10

Lab Sample ID: 570-84545-E-6-A MS
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.820	0.8196		mg/Kg		100	71 - 137

Lab Sample ID: 570-84545-E-6-B MSD
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.806	0.8116		mg/Kg		101	71 - 137	1	14

GC Semi VOA

Prep Batch: 213917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	3546	
570-84590-1 - DL	Unit-2-SST-SO-W-S1	Total/NA	Solid	3546	
570-84590-2 - DL2	Unit-2-SST-SO-W-W	Total/NA	Solid	3546	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	3546	
570-84590-3 - DL	Unit-2-SST-SO-W-SW	Total/NA	Solid	3546	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	3546	
MB 570-213917/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-213917/6-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-213917/7-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-84675-A-7-C MS	Matrix Spike	Total/NA	Solid	3546	
570-84675-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 214204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	3550C	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	3550C	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	3550C	
MB 570-214204/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-214204/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-214204/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-84695-D-43-B MS	Matrix Spike	Total/NA	Solid	3550C	
570-84695-D-43-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 214214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-214204/1-A	Method Blank	Total/NA	Solid	8015B	214204
LCS 570-214204/2-A	Lab Control Sample	Total/NA	Solid	8015B	214204
LCSD 570-214204/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	214204
570-84695-D-43-B MS	Matrix Spike	Total/NA	Solid	8015B	214204
570-84695-D-43-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	214204

Analysis Batch: 214333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	8082	213917
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	8082	213917
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	8082	213917
MB 570-213917/1-A	Method Blank	Total/NA	Solid	8082	213917
LCS 570-213917/6-A	Lab Control Sample	Total/NA	Solid	8082	213917
LCSD 570-213917/7-A	Lab Control Sample Dup	Total/NA	Solid	8082	213917
570-84675-A-7-C MS	Matrix Spike	Total/NA	Solid	8082	213917
570-84675-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	213917

Analysis Batch: 214468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1 - DL	Unit-2-SST-SO-W-S1	Total/NA	Solid	8082	213917
570-84590-2 - DL2	Unit-2-SST-SO-W-W	Total/NA	Solid	8082	213917
570-84590-3 - DL	Unit-2-SST-SO-W-SW	Total/NA	Solid	8082	213917

Analysis Batch: 214564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	8015B	214204

GC Semi VOA (Continued)

Analysis Batch: 214564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	8015B	214204
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	8015B	214204

Metals

Prep Batch: 214171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	3050B	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	3050B	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	3050B	
MB 570-214171/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-214171/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-214171/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-84044-A-1-I MS	Matrix Spike	Total/NA	Solid	3050B	
570-84044-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 214186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	7471A	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	7471A	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	7471A	
MB 570-214186/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-214186/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-214186/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-84545-E-6-A MS	Matrix Spike	Total/NA	Solid	7471A	
570-84545-E-6-B MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 214553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	7471A	214186
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	7471A	214186
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	7471A	214186
MB 570-214186/1-A	Method Blank	Total/NA	Solid	7471A	214186
LCS 570-214186/2-A	Lab Control Sample	Total/NA	Solid	7471A	214186
LCSD 570-214186/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	214186
570-84545-E-6-A MS	Matrix Spike	Total/NA	Solid	7471A	214186
570-84545-E-6-B MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	214186

Analysis Batch: 214730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	6010B	214171
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	6010B	214171
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	6010B	214171
MB 570-214171/1-A	Method Blank	Total/NA	Solid	6010B	214171
LCS 570-214171/2-A	Lab Control Sample	Total/NA	Solid	6010B	214171
LCSD 570-214171/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	214171
570-84044-A-1-I MS	Matrix Spike	Total/NA	Solid	6010B	214171
570-84044-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	214171

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Client Sample ID: Unit-2-SST-SO-W-S1
Lab Sample ID: 570-84590-1
Date Collected: 02/15/22 09:36
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.11 g	10 mL	214204	02/19/22 08:43	KG5J	ECL 4
Total/NA	Analysis	8015B		1			214564	02/22/22 03:14	A1W	ECL 1
	Instrument ID: GC69A									
Total/NA	Prep	3546			20.13 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082		1			214333	02/19/22 18:01	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.13 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			214468	02/21/22 11:59	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	214171	02/21/22 09:10		ECL 4
Total/NA	Analysis	6010B		1			214730	02/22/22 11:20	C0YH	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.63 g	100 mL	214186	02/18/22 16:24	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			214553	02/21/22 16:49	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST-SO-W-W
Lab Sample ID: 570-84590-2
Date Collected: 02/15/22 09:48
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.02 g	10 mL	214204	02/19/22 08:43	KG5J	ECL 4
Total/NA	Analysis	8015B		1			214564	02/22/22 03:40	A1W	ECL 1
	Instrument ID: GC69A									
Total/NA	Prep	3546			20.15 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082		1			214333	02/19/22 18:19	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL2		20.15 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082	DL2	1000	1 mL	1.0 mL	214468	02/21/22 12:53	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.02 g	100 mL	214171	02/21/22 09:10		ECL 4
Total/NA	Analysis	6010B		1			214730	02/22/22 11:23	C0YH	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.61 g	100 mL	214186	02/18/22 16:24	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			214553	02/21/22 16:51	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.85 g	10 mL	214204	02/19/22 08:43	KG5J	ECL 4
Total/NA	Analysis	8015B		1			214564	02/22/22 04:07	A1W	ECL 1
	Instrument ID: GC69A									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.11 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082		1			214333	02/19/22 18:37	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.11 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			214468	02/21/22 12:35	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	214171	02/21/22 09:10		ECL 4
Total/NA	Analysis	6010B		1			214730	02/22/22 11:26	C0YH	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.59 g	100 mL	214186	02/18/22 16:24	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			214553	02/21/22 16:57	VWJ7	ECL 4
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc. Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 4
7471A	Mercury (CVAA)	SW846	ECL 4
3050B	Preparation, Metals	SW846	ECL 4
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 4
7471A	Preparation, Mercury	SW846	ECL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-84590-1	Unit-2-SST-SO-W-S1	Solid	02/15/22 09:36	02/15/22 17:49
570-84590-2	Unit-2-SST-SO-W-W	Solid	02/15/22 09:48	02/15/22 17:49
570-84590-3	Unit-2-SST-SO-W-SW	Solid	02/15/22 10:04	02/15/22 17:49

Patel, Virendra

From: Mark Nishibayashi <mnishibayashi@rouxinc.com>
Sent: Tuesday, February 22, 2022 8:12 AM
To: Patel, Virendra
Cc: Drew Williams; Matthew Nelson; Ian Cross
Subject: RE: <RESPONSE REQUESTED> Eurofins Calscience sample confirmation files from 570-84590-1 Etiwanda Commerce Center/3653.0001L000

EXTERNAL EMAIL*

Hi Virendra,

Please use the sample ID Unit-2-SST-SO-W-S1 as reflected on the sample login acknowledgment for sample #1. The sample IDs for samples #2 and #3 are correct as well.

Thank you,
Mark

Mark Nishibayashi | Project Geologist
5150 East Pacific Coast Highway, Suite 450, Long Beach, CA 90804
Main: 310.879.4900 | Direct: 310.879.4922 | Mobile: 818.383.2312
Email: mnishibayashi@rouxinc.com | Website: www.rouxinc.com

From: Virendra Patel <Virendra.Patel@eurofinset.com>
Sent: Wednesday, February 16, 2022 2:11 PM
To: Drew Williams <dwilliams@rouxinc.com>; Ian Cross <icross@rouxinc.com>; Matthew Nelson <mnelson@rouxinc.com>; Mark Nishibayashi <mnishibayashi@rouxinc.com>; Patel Virendra <Virendra.Patel@eurofinset.com>
Subject: <RESPONSE REQUESTED> Eurofins Calscience sample confirmation files from 570-84590-1 Etiwanda Commerce Center/3653.0001L000
Importance: High

This message originated outside your organization. Please use caution!

Hello,

Attached please find the sample confirmation files for job 570-84590-1; Etiwanda Commerce Center/3653.0001L000

1. The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): Unit-2-SST-SO-W-S1 (570-84590-1). The container labels list Unit-2-SST-SO-W-S2 while the COC lists Unit-2-SST-SO-W-S1.

ACTION: Please confirm and adivse which ID is to be used for sample #1. Pelase also confirm sample IDs as entered for #2/#3 are also correct as entered.

Thank you!

Please feel free to contact me if you have any questions.

Thank you.

Virendra Patel
Project Manager

Eurofins Calscience
Phone: 714-895-5494 Ext: 218

E-mail: Virendra.Patel@eurofinset.com
www.eurofinsus.com/env



Reference: [570-290103]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

* WARNING - EXTERNAL: This email originated from outside of Eurofins Environment Testing America. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!

eurofins | Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information contact us26_sales@eurofinsus com or call us.

570-84590 Chain of Custody

84590
CHAIN OF CUSTODY RECORD

DATE: 2-15-2022

PAGE: 1 OF 1

LABORATORY CLIENT: Roux Associates, Inc	CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000
ADDRESS: 5150 Pacific Coast Hwy, Suite 450	PO NO
CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804	PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi
TEL: (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL: mnelson@rouxinc.com / dwilliams@rouxinc.com / mnishibayashi@rouxinc.com	SAMPLER(S): (PRINT) Ian Cross ~~Drew Williams~~

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE

SPECIAL INSTRUCTIONS.

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6				
1	unit-2-SST-SO-W-SZ	2-15-22	0936	Concrete Powder	(x2) 4oz. Jars						X								X		X				
2	unit-2-SST-SO-W-WS	2-15-22	0948	"	"						X								X		X				
3	unit-2-SST-SO-W-SW	2-15-22	1004	"	"						X								X		X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 2/15/22	Time 1749
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

46 1.4/2.9

06/02/14 Revision

2/23/2022

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-84590-1

Login Number: 84590
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B

Certification

DocuSign Envelope ID: C14ED3B5-C9EE-4443-A180-9520E04E4D1B

CERTIFICATION

Certification of Self-Implementing PCB Cleanup and Disposal PCB Remediation Waste, 8996 Etiwanda Avenue, Rancho Cucamonga, California

This Certification is being submitted in connection with the Self-Implementing PCB Cleanup and Disposal PCB Notification Plan (the "Plan") for the site located at 8996 Etiwanda Avenue, Rancho Cucamonga, California (the Property).

The party conducting the cleanup described in the Plan, hereby certifies, and has advised the owner of the Property where cleanup is located, that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the Property, are on file at the following location(s) and are available for USEPA inspection:

- 8996 Etiwanda Avenue, Rancho Cucamonga, California

To access these files, please contact Matthew Nelson with Roux Associates, Inc., at mnelson@rouxinc.com to arrange an appointment and identify the specific records to be inspected. BTC III Etiwanda Commerce Center will compile the information requested and make the information available for review in their office or transmit electronic copies directly to the USEPA representative requesting the information.

DocuSigned by:
Chris Sanford
CC47D092422745D...

8/5/2022

PROPERTY OWNER
BTC III Etiwanda Commerce Center LP
4675 MacArthur Court, Suite 625
Newport Beach, California 92660

Date

8/5/2022

PARTY CONDUCTING THE CLEANUP
Roux Associates, Inc.
5150 East Pacific Coast Highway, Suite 450
Long Beach, California 90804

Date

CERTIFICATION

Certification of Self-Implementing PCB Cleanup and Disposal PCB Remediation Waste, 8996 Etiwanda Avenue, Rancho Cucamonga, California

This Certification is being submitted in connection with the Self-Implementing PCB Cleanup and Disposal PCB Notification Plan (the "Plan") for the site located at 8996 Etiwanda Avenue, Rancho Cucamonga, California (the Property).

The party conducting the cleanup described in the Plan, hereby certifies, and has advised the owner of the Property where cleanup is located, that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the Property, are on file at the following location(s) and are available for USEPA inspection:

- 8996 Etiwanda Avenue, Rancho Cucamonga, California

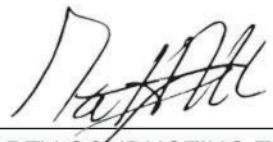
To access these files, please contact Matthew Nelson with Roux Associates, Inc., at mnelson@rouxinc.com to arrange an appointment and identify the specific records to be inspected. BTC III Etiwanda Commerce Center will compile the information requested and make the information available for review in their office or transmit electronic copies directly to the USEPA representative requesting the information.



11.23.22

PROPERTY OWNER
BTC III Etiwanda Commerce Center LP
4675 MacArthur Court, Suite 625
Newport Beach, California 92660

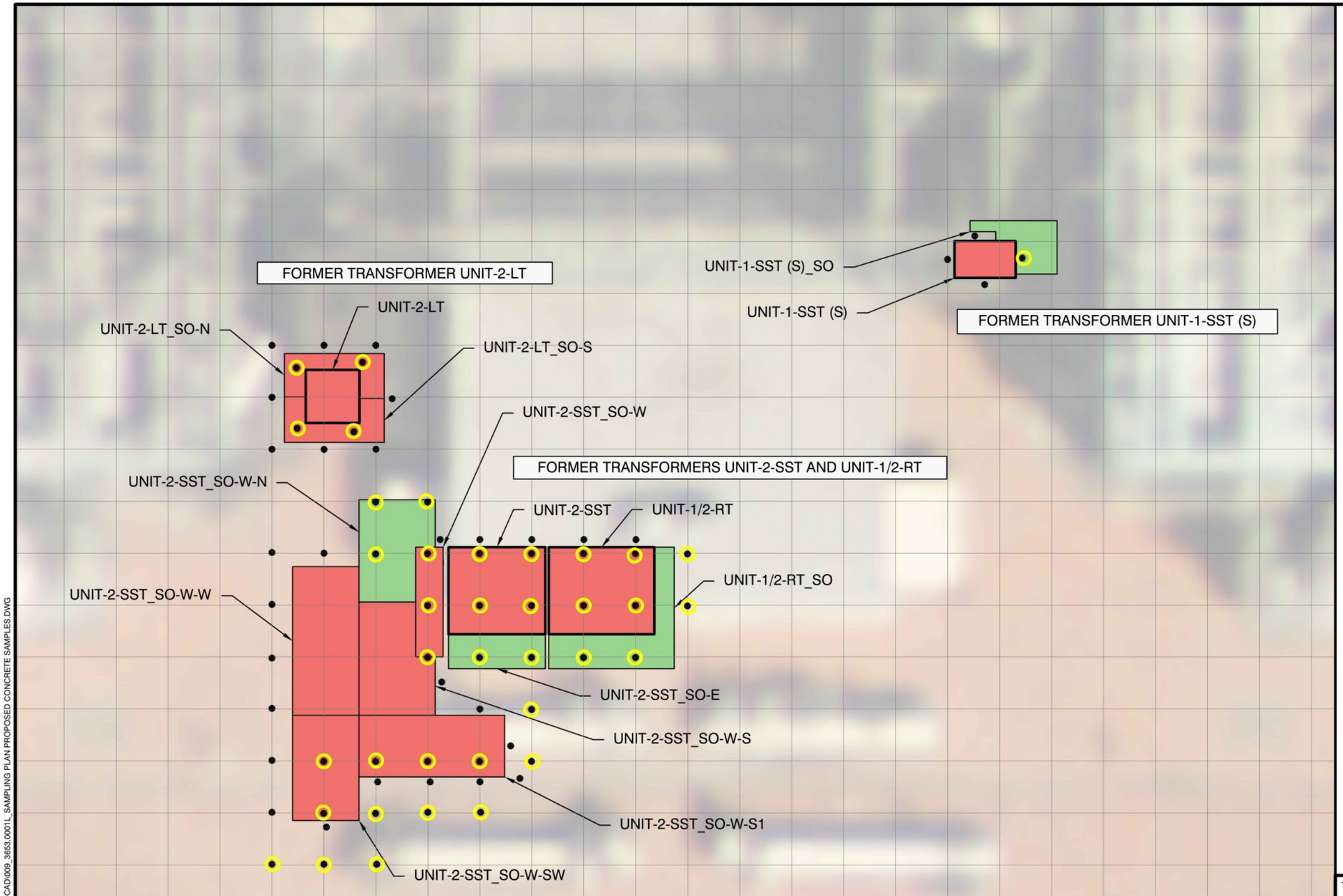
Date



11.23.22

PARTY CONDUCTING THE CLEANUP
Roux Associates, Inc.
5150 East Pacific Coast Highway, Suite 450
Long Beach, California 90804

Date



LEGEND

- PROPOSED CONCRETE CORING LOCATION
- TOTAL PCBS > 1 MG/KG
- TOTAL PCBS < 1 MG/KG

NOTES

1. ALL CORING LOCATIONS ARE APPROXIMATE
2. GRID SPACING IS 5 FEET BY 5 FEET

N

10' 0' 10'

Title:

PROPOSED ADDITIONAL CONCRETE SAMPLE LOCATIONS, FORMER TRANSFORMERS UNITS 1 & 2

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: D.Z.	Date: 1 JUNE 2022	FIGURE
Prepared by: D.Z.	Scale: 1" = 10'	1
Project Mgr: M.J.N.	Project: 3653.0001L000	
File: 009_3653.0001L_ROPOSED CONCRETE SAMPLES.DWG		

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\009_3653.0001L_SAMPLING PLAN PROPOSED CONCRETE SAMPLES.DWG

June 8, 2023

Carmen Santos
PCB Coordinator
U.S. EPA Region 9
Land, Chemicals, and Redevelopment Division (LND-4-1)
75 Hawthorne Street
San Francisco, CA 94105

Subject: **Site Characterization Plan, BTC III Etiwanda Commerce Center**
PCB Site ID: CATSCA111184 / CAR000038158

Dear Ms. Santos:

Please find enclosed the Site Characterization Plan ("Plan") for concrete ground surfaces at former Generating Units 1 and 2 ("Site") of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California. The Environmental Protection Agency (EPA) comments received on April 25, May 25, and June 1, 2023, have been addressed in the enclosed Plan, as summarized in the table below.

EPA Comments (April 25, 2023)		**Response**	**Section of Plan**
1.	Replicates/Triplicates	Five field triplicates have been added to the Plan as recommended by EPA, including for potential low concentration, potential high concentration, and boundary DUs.	Section 3.3
2.	DU Boundary Design		
	a. Reduce size of larger DUs	DU-3 and DU-7 have been subdivided into smaller DUs; the configuration of DU-6 has been revised in consultation with DTSC and EPA such that the area of DU-4 has also been reduced.	Section 2.1 (Table 1) Figure 1
	b. DU walkthrough and photo documentation	EPA's recommendation has been incorporated into the Plan.	Section 3.1
	c. DU Boundary Design: Buffer area rationale	A rationale for the configuration of DU-6 has been incorporated into the Plan.	Section 2.1 (Table 1)
3.	Increment Design	Attachment 1 of the Plan provides a statistical rationale supporting the proposed ISM approach. A minimum of 42 increments will be collected for each DU.	Attachment 1
4.	DU Failure	Following incorporation of EPA's comment 2a by subdividing larger DUs, Owner does not anticipate a future need to subdivide existing DUs.	N/A
5.	Field and laboratory QC samples	EPA's recommendations have been incorporated into the Plan.	Section 3.5
	Evaluation of field and laboratory triplicates		Section 4.1
EPA Comments (May 25, 2023)		**Response**	**Section of Plan**
1.	DU designations – no comments	The Plan reflects DU designations previously discussed with EPA and DTSC, with no further modifications.	Figure 1

2.	Number of increments for each DU	Attachment 1 of the Plan has been updated to include the VSP inputs and outputs.	Attachment 1
3.	Relative standard deviation (RSD) for evaluation of field DU triplicates	EPA's recommendation has been incorporated into the Plan, such that an RSD ≤ 35% will indicate that the data is usable for its intended purpose, and an RSD > 35% will trigger further evaluation in consultation with EPA and DTSC.	Section 4.1
4.	Relative standard deviation (RSD) for laboratory replicates	EPA's recommendation has been incorporated into the Plan, such that an RSD ≤ 35% will indicate that the data is usable for its intended purpose, and an RSD > 35% will trigger further evaluation in consultation with EPA and DTSC. Laboratory triplicate samples will be collected from bulk samples collected from DU-6 and DU-3A, which are boundary DUs adjacent to areas with previously characterized PCB impacts and DU-8, which is not a boundary DU.	Section 4.1 Section 3.5
5.	Eurofins Calscience, LLC., Standard Operating Procedure for Multi-Incremental Sampling	EPA's recommendation has been incorporated into the Plan and communicated with the laboratory.	Sections 3.2, 3.4, and 3.5
EPA Comment (June 1, 2023)		**Response**	**Section of Plan**
1.	Consider separating condensate pits into separate decision units.	We have considered your comment and determined there is not a technical justification that warrants their separate treatment. As previously communicated with EPA and DTSC, the pits were installed as secondary containment below the closed loop circulation systems for condensers for each of the generating units. Water used to cool the units was turned to steam then collected in the condenser and returned to the closed loop cooling system. The purpose of the pits was to collect any condensate (water) that came out of the condensers. No oils or equipment known or suspected to have contained PCBs are known to have been staged in these pits. During construction, these pits would have been formed and installed concurrently with the surrounding concrete slab. Further, water samples collected from the pits were analyzed for waste disposal purposes, and PCBs were not detected. The approximate locations of the condensate pits have been added to the figures. As shown on Figures 3, 5, and 7, increments will be collected from within the pits as part of DU-3A, DU-3B, DU-7B, and DU-7C.	Section 2.1 (Table 1) Figures 3, 5, 7

With EPA concurrence on the enclosed Plan, we plan on beginning preparatory fieldwork during the week of June 26, 2023, and sampling is expected to begin in early July. If you have any questions regarding this submittal or need additional information, please contact me at (732) 742-0764.

Sincerely,

Jessica Hinchliffe
BTC III Etiwanda Commerce Center LP

Enclosure: Site Characterization Plan

cc: Steve Rounds, PE, Department of Toxic Substances Control
CY Jeng, Ph.D., Department of Toxic Substances Control
Dina Kourda, CEG, CHg, Department of Toxic Substances Control
Chris Sanford, BTC III Etiwanda Commerce Center LP
Carlos Palafox, BTC III Etiwanda Commerce Center LP
Mark Foley, BTC III Etiwanda Commerce Center LP
Pam Andes, Allen Matkins Leck Gamble Mallory & Natsis LLP
Deepa Gandhi, PE, EKI Environment & Water, Inc.
Matthew Nelson, PE, Roux Associates, Inc.

Site Characterization Plan

BTC III Etiwanda Commerce Center
8996 Etiwanda Avenue, Rancho Cucamonga, California

PCB Site ID: CATSCA111184 / CAR000038158

Prepared by: BTC III Etiwanda Commerce Center LP
Date: June 8, 2023

1. Introduction

BTC III Etiwanda Commerce Center LP ("Owner") prepared this site characterization plan for concrete ground surfaces at former Generating Units 1 and 2 ("Site"; Figure 1) of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California.

Polychlorinated biphenyl (PCB) impacts at the Site have been assessed via a stepwise investigation process based on historical operations and land uses started in 1995 under the oversight of the California Department of Toxic Substances Control ("DTSC"). Ground surfaces in the vicinity of former oil-containing equipment at the Site have been delineated using discrete samples collected on a 5-foot grid as described in the *Self-Implementing PCB Cleanup and Disposal Notification Plan* ("SICP") for the Site (Roux Associates, Inc., revised November 28, 2022; Roux, 2022). Step-out samples were collected and analyzed until concentrations in concrete and/or asphalt samples were less than DTSC Human Ecological Risk Office ("HERO") Human Health Risk Assessment ("HHRA") Note Number 3 (DTSC, 2022) commercial/industrial soil screening level ("DTSC SL") of 0.58 milligrams per kilogram (mg/kg) for total PCBs. Previous sampling results are shown on Figure 1.

In order to assess whether remaining concrete at the Site is suitable to remain on-Site, the Environmental Protection Agency (EPA) has requested a characterization plan for areas of concrete that remain to be characterized. This Plan has been prepared in response to EPA's conditional approval of the SICP (Condition B.3.b), dated December 15, 2022. In addition to satisfying EPA's request to characterize remaining concrete areas, this Plan has been developed to support an Amendment to the SICP under 40 CFR 761.61(c), as requested in EPA's December 15, 2022 Conditional Approval, such that ground surfaces at the Site with concentrations of total PCBs ≤ 25 mg/kg can be crushed and left in-place on-Site under a new protective cap. This potential cleanup and disposal approach has been revised from the approach documented in the SICP based on EPA's Conditional Approval Item B.3.b.

Due to the size of the remaining areas to be characterized (approximately 28,300 square feet ["SF"]) and prioritization of greener cleanup procedures, a sampling approach based on incremental sampling methodology (ISM) concepts is proposed as a Site-specific risk-based alternative under 40 CFR 761.61(c) for evaluation of remaining concrete ground surfaces for PCBs at the Site. Use of ISM for characterization of PCBs is discussed in the PCB Facility Approval Streamlining Toolbox ("FAST") and EPA's August 8, 2019 document entitled ISM at PCB Cleanup Sites.

This plan has been developed in coordination with EPA and DTSC via meetings on March 17, May 3, and May 5, 2023, draft submittals and responses to EPA inquiries provided by Owner on March 14, March 17, May 5, May 11, and May 19, 2023, and written comments received from EPA on April 25, May 25, and June 1, 2023.

Details of the investigation design, field sampling procedures, and laboratory processing steps are provided below and in the attached documents:

Figures:

- Figure 1: Site Layout and Proposed Decision Units
- Figure 2: Incremental Sampling Plan: DU-1 and DU-2
- Figure 3: Incremental Sampling Plan: DU-3A and DU-3B
- Figure 4: Incremental Sampling Plan: DU-4, DU-5, and DU-6

- Figure 5: Incremental Sampling Plan: DU-7A, DU-7B, and DU-7C
- Figure 6: Incremental Sampling Plan: DU-8 and DU-9
- Figure 7: Proposed Decision Units and Increments

Attachments:

- Attachment 1: Statistical Rationale Supporting ISM Approach
- Attachment 2: Standard Operating Procedure: Incremental Sampling Methodology for Collection of Concrete Samples for Polychlorinated Biphenyl (PCB) Analysis
- Attachment 3: Laboratory Standard Operating Procedure for Multi-Incremental Sampling (MIS)

2. ISM Investigation Design

2.1. Decision Units ("DUs")

The ISM characterization program is designed to confirm the absence of PCB impacts to concrete at the Site outside of those areas previously characterized. Decision Units ("DUs") were established based on historical uses at the Site, including the location of known former oil-containing equipment, process areas, rooms and/or other building features. Proposed DUs are presented on Figure 1, and summarized below:

Table 1: Proposed Decision Units

Decision Unit ID	Approximate Area	Description and Rationale
DU-1	1,590 SF	Northwest corner of the building slab. Previously contained lube oil transfer pump; trench and lube oil unloading tank; dirty oil sump based on historical information.
DU-2	2,920 SF	Southwest portion of the building slab. Previously contained hydrogen seal oil supply unit; main generator exciter sets; auxiliary generator exciter set, and motors based on historical information.
DU-3A (1)	2,710 SF	Area west of the delineated area extending to DUs 1 and 2. No oil-containing equipment was observed in this area based on historical information.
DU-3B	3,460 SF	DU-3A and DU-3B include the western condensate pit, historically installed as secondary containment below the closed loop circulation systems for condensers for each of the generating units. The purpose of the pit was to collect any condensate (water) that came out of the condensers. No oils or equipment known or suspected to have contained PCBs are known to have been staged in this pit. A sample was collected of water from within the pit, and PCBs were not detected above the laboratory reporting limit of 0.55 micrograms per liter (µg/L). The laboratory report will be included as part of the final report.
DU-4 (1)	2,950 SF	Area to the north of former transformers Unit-2-SST and Unit-1/2-RT and the east of the delineated area. Previously contained motor and generator based on historical information. This area surrounds former transformer Unit-1-SST(s) but does not include it as this transformer pad was previously characterized and delineated, and will be disposed of offsite under Phase 1 of the approved SICP.
DU-5 (2)	90 SF	Pad for former transformer Unit-1-SST located to the east of former transformer Unit-1/2-RT.

DU-6 (1)	1,410 SF	Area surrounding the pad for former transformer Unit-1-SST and including other nearby areas adjacent to previously-characterized and delineated former transformer pads. This area represents a reasonable work area around the former locations of equipment known or suspected to have contained PCBs.
DU-7A (1)	1,470 SF	Area east of the delineated area extending to DUs 8 and 9. No oil-containing equipment was observed in this area based on historical information. DU-7B and DU-7C include the eastern condensate pit, historically installed as secondary containment below the closed loop circulation systems for condensers for each of the generating units. The purpose of the pit was to collect any condensate (water) that came out of the condensers. No oils or equipment known or suspected to have contained PCBs are known to have been staged in this pit. A sample was collected of water from within the pit, and PCBs were not detected above the laboratory reporting limit of 0.49 µg/L. The laboratory report will be included as part of the final report.
DU-7B	3,500 SF	
DU-7C	3,390 SF	
DU-8 (1)	2,650 SF	Northeast corner of the building slab. Previously contained compressors based on historical information.
DU-9	2,100 SF	Southeast corner of the building slab. Previously contained motors and generators based on historical information.

Notes: (1) Triplicate field samples to be collected. DUs designated for field replicate collection were determined in consultation with EPA and in response to EPA's April 25 comment #1:

a. One triplicate for a likely low to no PCB concentration DU: DU-8
b. One triplicate for a likely high PCB concentration DU: DU-6
c. Triplicates for all 'boundary' DUs: DU-3A, DU-4, DU-7A

(2) DU to be characterized using discrete sampling methodology on a 5-foot grid.

2.2. Increments and Field Bulk Samples

The field and laboratory protocols described herein are designed to improve reliability and defensibility of sampling data by reducing data variability and providing a reasonable estimate of a chemical's mean concentration for the volume of material being sampled.

A minimum of 42 increments (single points of collection that are combined to create field bulk sample for each DU) will be collected from each DU (except for DU-5 described above). The rationale for the number of increments to be collected is provided in Attachment 1, and field sampling procedures are provided in Attachment 2.

Increment locations were determined through systematic random sampling using Visual Sample Plan (VSP) software, by dividing each DU into a grid and selecting a random increment location within the first grid cell. Remaining increment locations were then assigned to the remaining grid cells at the same relative location. Proposed increment locations for each DU are presented on Figures 2 through 6. Adjustments may be made to the increment locations based on field conditions and the geometry of the DU.

Field bulk samples (or "ISM samples") will be prepared for each DU by combining the increments collected into a single container, which is then further processed and subsampled by the analytical laboratory according to specific protocols described in Attachment 3.

2.3. Data Quality Objectives

The following data quality objectives ("DQOs") have been established for this effort:

- Assess remaining areas known to be the location of former oil-containing equipment and process areas;
- Assess areas immediately adjacent to previously-characterized concrete and asphalt ground surfaces ("boundary DUs")
- Screen remaining areas with no known environmental features of note;
- Assess the representativeness of the ISM program by calculating the relative standard deviation of field and laboratory replicate samples; and
- Support a future Amendment to the SICP such that ground surfaces at the Site with concentrations of total PCBs ≤25 mg/kg can be crushed and left in-place on-Site under a new protective cap, as further described in Section 5.

3. ISM Investigation Implementation

3.1. Field Preparation

- Concrete surfaces will be broom swept as needed to facilitate visual survey of sampling area.
- Standing water within Site boundaries will be removed, containerized, and disposed of pending appropriate characterization. Concrete surfaces in the condensate pits will be inspected and documented following water removal.
- A surveyor will be retained to mark out the corners of DUs and reference points to be used to lay out the increment locations within each DU.
- Increment locations will be marked out using tape and a marker or paint circles. No paint will be placed where the increment sample is to be collected. Different colors will be used to distinguish between replicate samples within a DU.
- DUs will be verified with a walkthrough and visual survey of the concrete surface. Cracks, slopes in the concrete, and stains will be noted and photographed, including their location(s) relative to nearby marked increment locations.

3.2. Sample Collection

- Sampling procedures are summarized below, and standard operating procedures for field sampling are provided in Attachment 2.
- Samples will be collected using a rotary hammer drill using methods in general accordance with EPA Region 1 Standard Operating Procedures for Sampling Porous Surfaces for PCBs. Maximum sample depth will be approximately 0.5 inches. Multiple closely spaced holes may be required to generate sufficient sample mass. Each increment will be approximately 20 to 30 grams as weighed in the field.
- All the increments will be combined in a zip top bag or laboratory supplied container in the field to prepare the field bulk sample.
- Samples will be transported under strict chain-of-custody to the analytical laboratory for processing and analysis, as described in Section 3.4. The following will be included on the chain-of-custody form accompanying the samples to the laboratory:
    - Sample extraction method: EPA method 3540C (manual Soxhlet)
    - Analytical method: EPA method 8082A.
    - All laboratory analytical results are to be reported on a dry weight basis.
    - Detection and quantitation limits must be at least 50% lower than the action level of 0.58 mg/kg total PCBs.
- Sampling tool decontamination is not required between increments. Sampling tools will be decontaminated between DUs and between triplicate samples. Decontamination procedures are provided in Attachment 2.
- Discrete samples collected from DU-5 will be collected following procedures described in the SICP.

3.3. Field Quality Control

- In consultation with EPA and DTSC, triplicate bulk samples will be collected from the following DUs: DU-3A, DU-4, DU-6, DU-7A, and DU-8.
- To prepare each triplicate, individual increments will be collected following a systematic random approach from different areas. The increments to prepare each of the triplicates (each of the three bulk samples) will not be collected side by side.
- Increment locations presented on Figures 3 through 6 include the proposed triplicate samples.
- Sampling tools will be decontaminated between triplicate samples.

3.4. Laboratory Processing of Bulk Samples

- Laboratory processing of bulk samples will be conducted by Eurofins Calscience LLC ("Eurofins"), of Garden Grove, California, in accordance with their Standard Operating Procedure for Multi-Incremental Sampling (MIS; Attachment 3) and as described below. Sample extraction and analysis will also be performed by Eurofins.
- The processing laboratory will be instructed to spread the ground sample in a thin layer (slab cake) and prepare a representative 30-gram subsample for testing by collecting 30 x 1-gram increments from the slab cake in a systematic random manner and combining each of the small increments. A flat bottom sampling tool with sides and a minimum 16-millimeter (mm) width should be used by the laboratory to collect the subsamples.
- A 30-gram subsample will also be collected to determine percent moisture as PCB analytical results must be reported as dry weight. Percent moisture will be determined following EPA's extraction method 3540C procedures.
- The 30-gram subsample will be extracted following EPA's extraction method 3540C (manual Soxhlet; including use of a 1-mm sieve size) and analyzed for PCBs following EPA method 8082A.

3.5. Laboratory Quality Control

- To evaluate the accuracy of the laboratory subsampling procedures, the processing laboratory will collect three sets of triplicate samples from the bulk samples submitted for processing and analysis.
- Laboratory triplicate samples will be collected from bulk samples collected from DU-6 and DU-3A, which are boundary DUs adjacent to areas with previously characterized PCB impacts, and from DU-8, which is not a boundary DU.
- Laboratory results will be reported on a dry weight basis.

4. Evaluation of analytical results

4.1. Data Precision Evaluation

All laboratory packages will be reviewed for completeness and conformance with project goals. A data precision evaluation will be conducted by calculating the relative standard deviation (RSD) for each replicate data set, including both field and laboratory replicates. As recommended by EPA, the following thresholds will be utilized when evaluating data precision of replicate samples:

- RSD ≤ 35%: Data will be considered useable for its intended purpose.
- RSD > 35%: Further evaluation will be conducted in consultation with EPA and DTSC (see caveats below).

When evaluating results of replicate samples with RSD > 35%, the following caveats should be considered:

- High RSDs can become unavoidable as contaminant concentrations approach the laboratory method reporting and detection limits. Sample data that indicate low concentrations well below the

action levels may be considered acceptable for decision making even though the RSD of the replicate data indicate poor precision.

- Similarly, RSDs typically increase as the magnitude of contamination increases. Sample data that significantly exceed target action levels are generally acceptable for decision making even though the RSD of the replicate data indicate poor precision.

4.2. Evaluation of Analytical Results

Anticipated action levels for total PCB concentrations are as follows:

- DTSC SL = 0.58 mg/kg
- Risk-based action level for on-Site management/capping = 25 mg/kg
- Action level for disposal at an approved PCB disposal facility or RCRA landfill = 50 mg/kg

For DUs where a single ISM sample was collected, the ISM sample result will be compared directly to action levels.

For DUs where replicate field samples were collected and the RSD is equal to or less than 35%, the mean concentration of the replicates will be calculated and compared to the action levels.

For DUs where replicate field samples were collected and the RSD exceeds 35%, evaluation of the analytical results will be conducted in consultation with EPA and DTSC. Depending on the magnitude of the RSD and the concentration range of the results, it may be appropriate to calculate the 95% UCL of the sample data, or to compare the highest concentration to the action levels.

Discrete samples collected from DU-5 will be directly compared to the action levels above.

5. Schedule and Reporting

Field preparatory activities are currently in progress. Fieldwork is anticipated to begin at the end of June, and take 4-6 weeks to complete. Laboratory analysis is expected to have a turnaround time of 20 days, after which RSDs will be calculated. Unexpected conditions or proposed deviations from the approved plan will be communicated to EPA and DTSC by email.

Results of the Site characterization activities are anticipated to be reported to EPA and DTSC in October 2023. An amendment to the SICP will subsequently be prepared presenting a revised cleanup and disposal approach for the concrete and asphalt characterized using discrete and ISM sampling approaches that includes:

1. Risk-based management of characterized materials: Characterized ground surfaces may remain on Site (with or without capping) or be disposed of off Site as described in Table 2 below.

Table 2: Anticipated risk-based management strategy for characterized materials

PCB concentration range	Management strategy [(1)]
Total PCBs ≤ 0.58 mg/kg	Material will be crushed for use during the redevelopment of the subject property in consultation with EPA and DTSC.
0.58 mg/kg < total PCBs ≤ 25 mg/kg	Material will be segregated, crushed, and placed under a new concrete or asphalt cap at least 6 inches thick. New building slab or pavement installed as part of the development may serve as the proposed protective cap in consultation with EPA and DTSC.
25 mg/kg < total PCBs < 50 mg/kg	Material will be disposed of in a permitted nonhazardous landfill.

50 mg/kg ≤ total PCBs	Material will be disposed of in a hazardous waste landfill permitted by EPA or an authorized State, or in an approved PCB disposal facility.

Note: (1) Management strategy applies to concrete, asphalt, or soil previously characterized in 2022 or subsequently characterized in accordance with this Plan. Concrete surfaces to be characterized in accordance with this Plan do not yet have a cleanup approach approved by EPA.

2. Waste characterization: Discrete in situ sample data, where available, will be used for waste profiling purposes for media requiring off-Site disposal (e.g., previously-characterized concrete, asphalt, and soil, and concrete from DU-5). Where discrete sample data is not available, concrete requiring off-Site disposal will be profiled using ISM data collected as described herein. Additional disposal sampling may be conducted as required by the selected disposal facility.

6. References

California Department of Toxic Substances Control Office of Human and Ecological Risk, 2022. Human Health Risk Assessment Note 3 – DTSC-Modified Screening Levels, May.

ITRC, 2020, *Incremental Sampling Methodology*: Interstate Technology and Regulatory Council, October 2020 (update of 2012 edition), https://ism-2.itrcweb.org/.

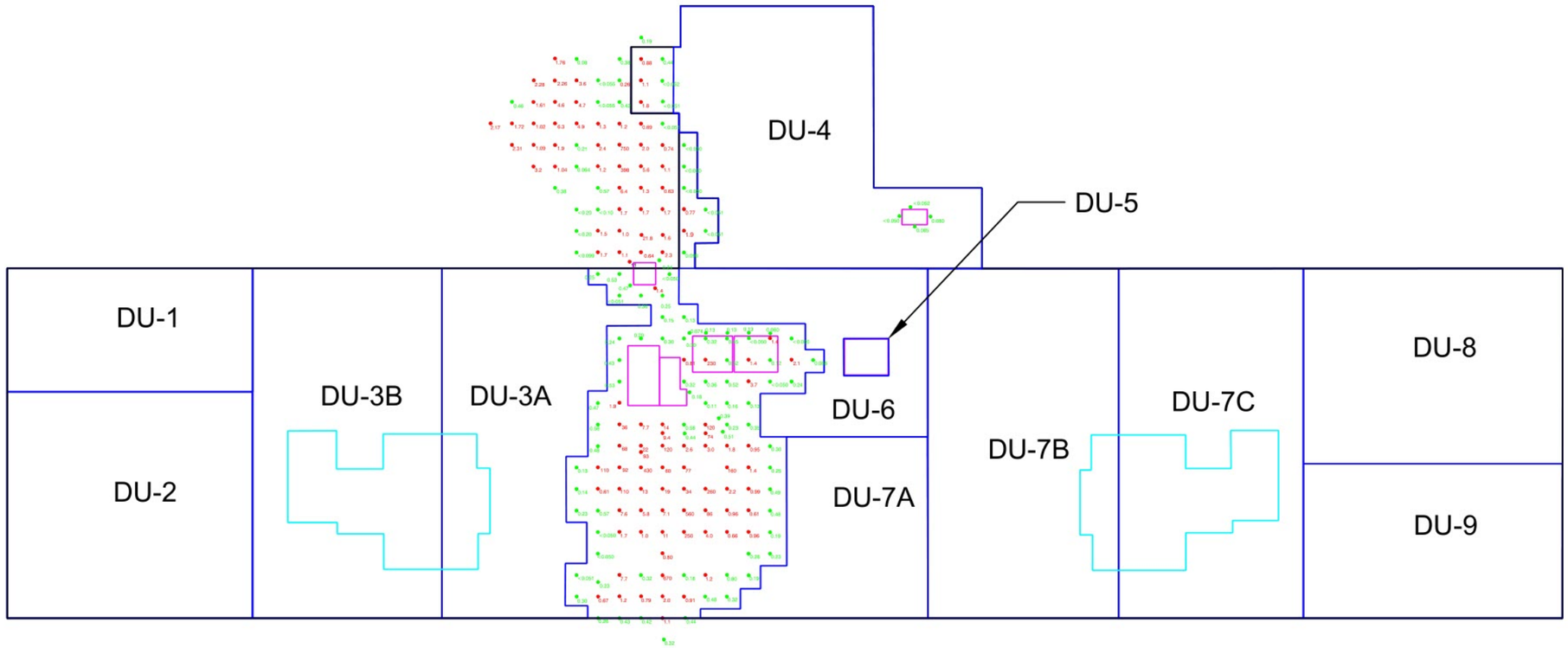
Roux Associates, Inc., 2022. Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, November 28.

USEPA Region 1, 2011, Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs). May 2011.

USEPA, 2017, *PCB Facility Approval Streamlining Toolbox: A Framework for Streamlining PCB Site Cleanup Approvals*, EPA530-F-17-002.

USEPA, 2019, *Incremental Sampling Methodology (ISM) at Polychlorinated Biphenyl (PCB) Cleanup Sites*, August 8, 2019.

Figures

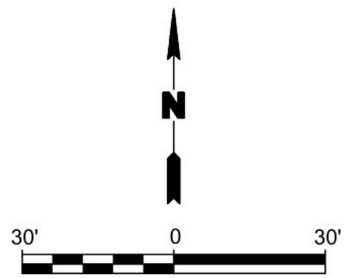


LEGEND

- CONCRETE SLAB OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PITS
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs > 0.58 MG/KG)
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs ≤ 0.58 MG/KG)

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL SITE PLAN FOR FORMER GENERATING UNITS 1 AND 2
2. MG/KG = MILLIGRAM PER KILOGRAM
3. TOTAL PCB CONCENTRATIONS ARE REPORTED IN MG/KG



Title:

SITE LAYOUT AND PROPOSED DECISION UNITS

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

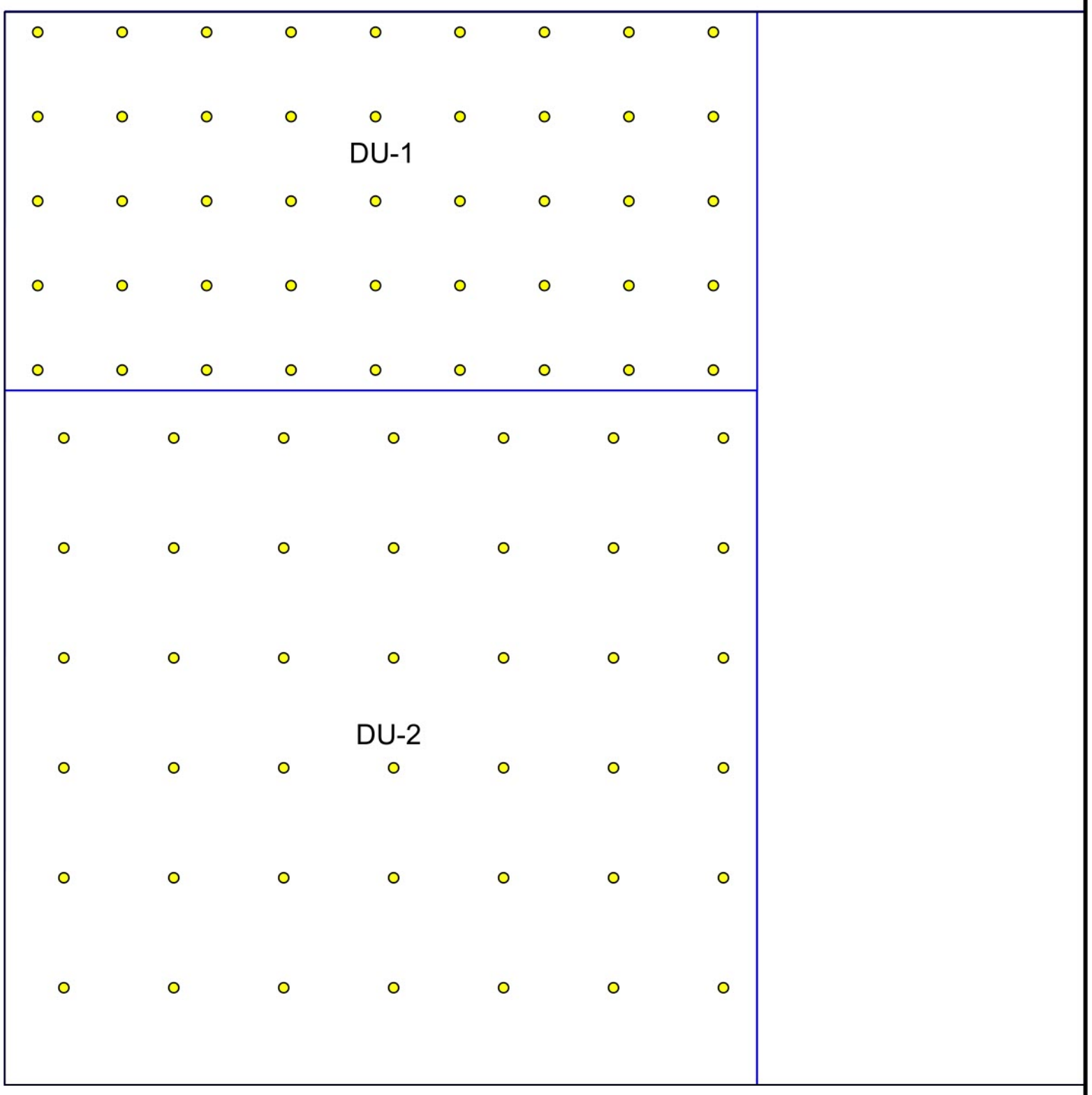
BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	1
Project Mgr: M.J.N.	Project: 3653.0001L	
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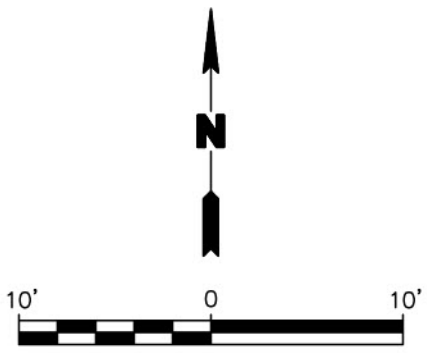
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S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\026_3653.0001L_VSP REVISED DU_TRIP.DWG



LEGEND

- CONCRETE SLAB OUTLINE
- PROPOSED DECISION UNITS
- PROPOSED INCREMENTS



Title:

INCREMENTAL SAMPLING PLAN: DU-1 AND DU-2

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

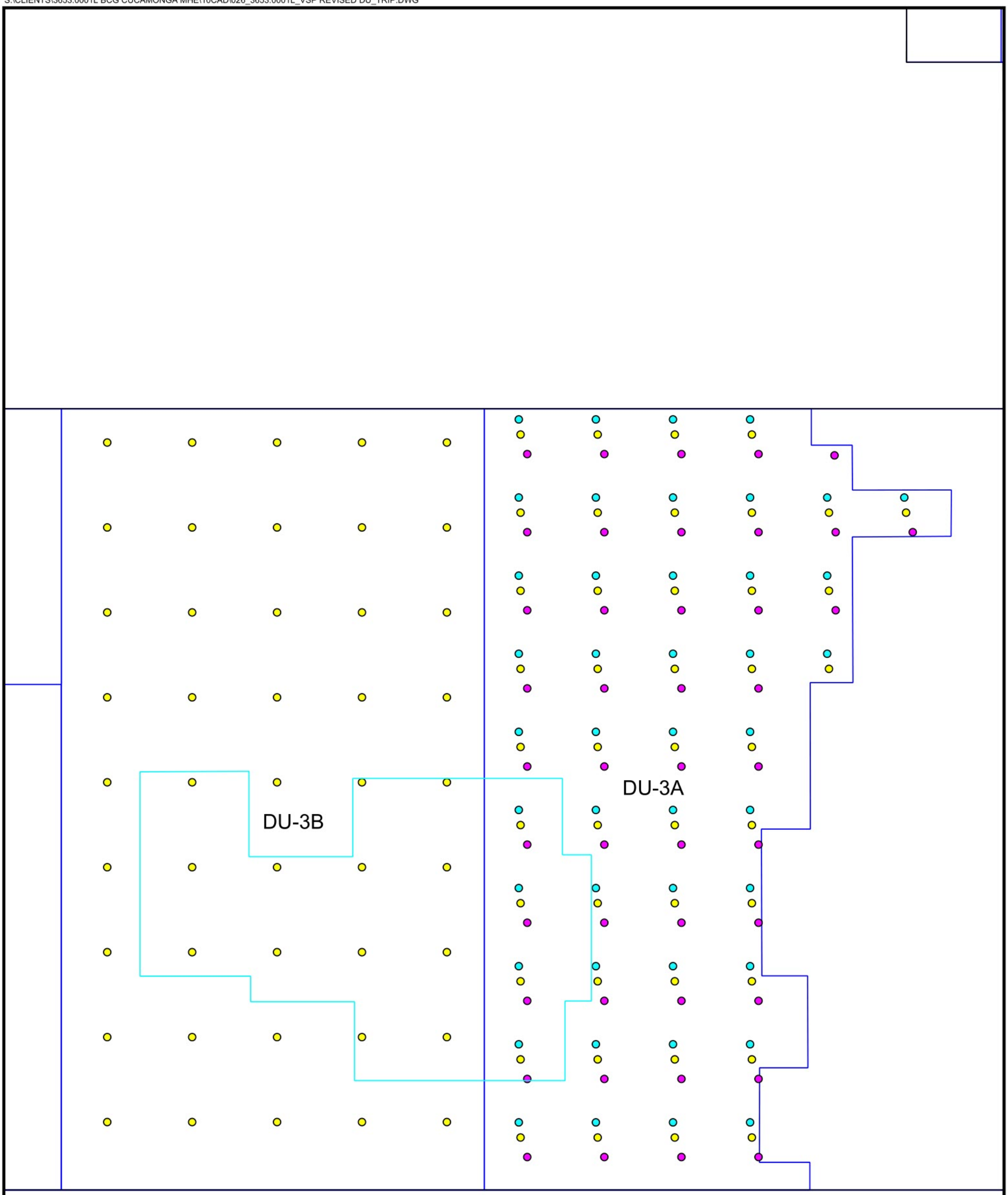
Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
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Project Mgr: M.J.N	Project: 3653.0001L	
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LEGEND

- CONCRETE SLAB OUTLINE
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PITS
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL PLAN FOR FORMER GENERATING UNITS 1 AND 2

N

10’ 0 10’

Title:

INCREMENTAL SAMPLING PLAN: DU-3A AND DU-3B

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

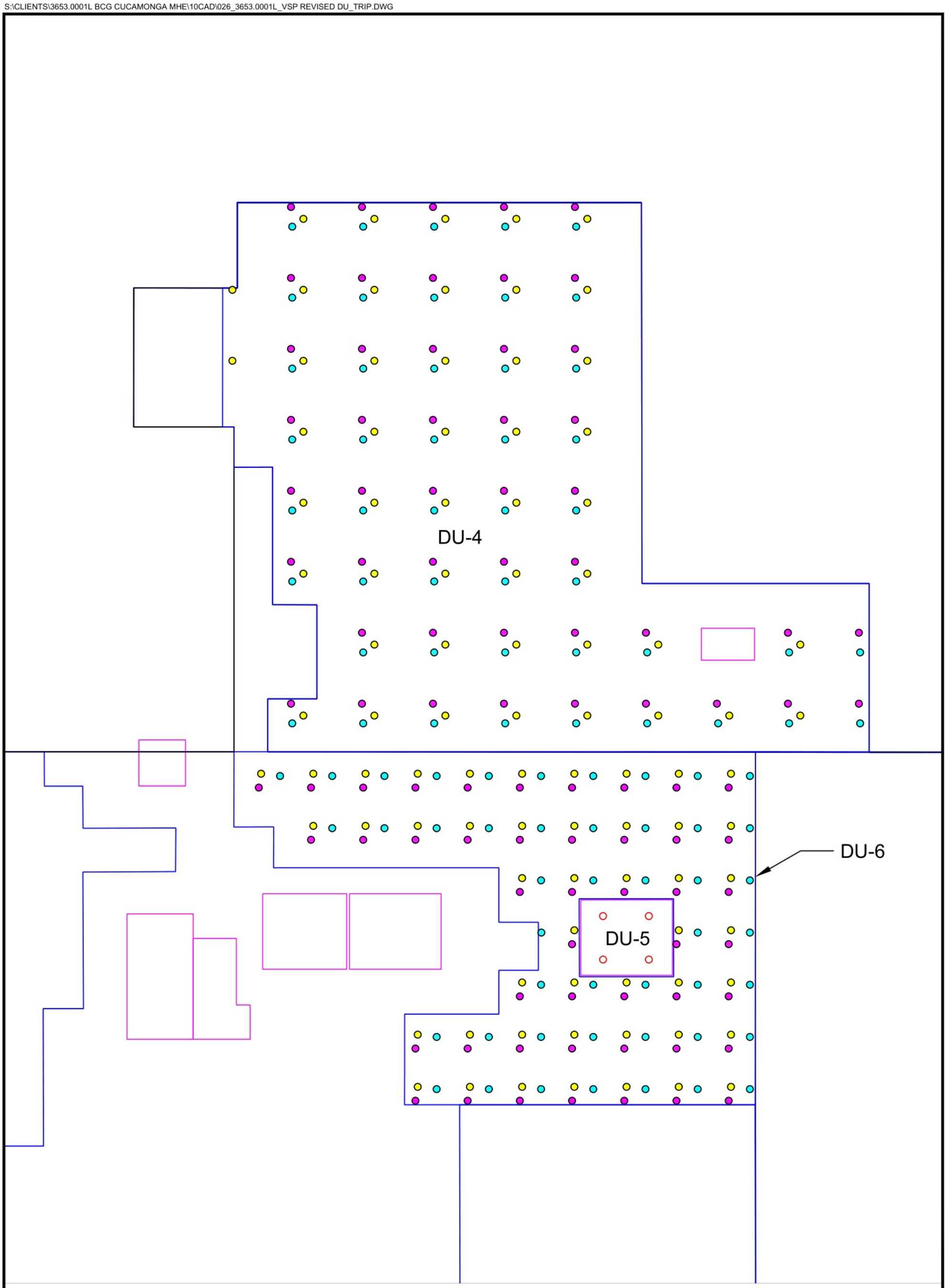
Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	3
Project Mgr: M.J.N	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		

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LEGEND

- CONCRETE PAD OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES
- PROPOSED DISCRETE SAMPLE

N

10' 0 10'

Title:

INCREMENTAL SAMPLING PLAN: DU-4, DU-5, AND DU-6

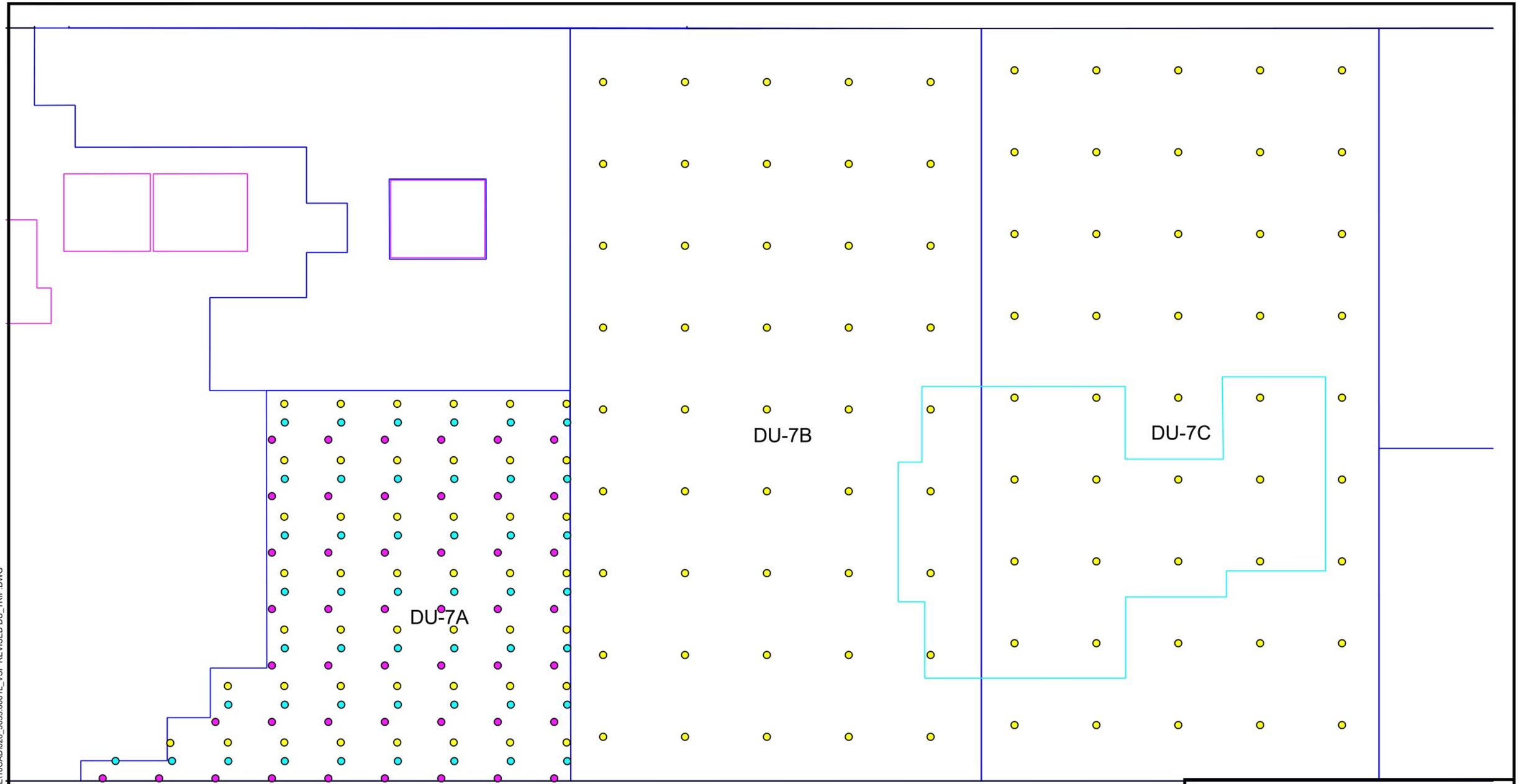
8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	4
Project Mgr: M.J.N	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		



LEGEND

- CONCRETE SLAB OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PIT
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL PLAN FOR FORMER GENERATING UNITS 1 AND 2

N

10' 0 10'

Title:

INCREMENTAL SAMPLING PLAN: DU-7A, DU-7B, AND DU-7C

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

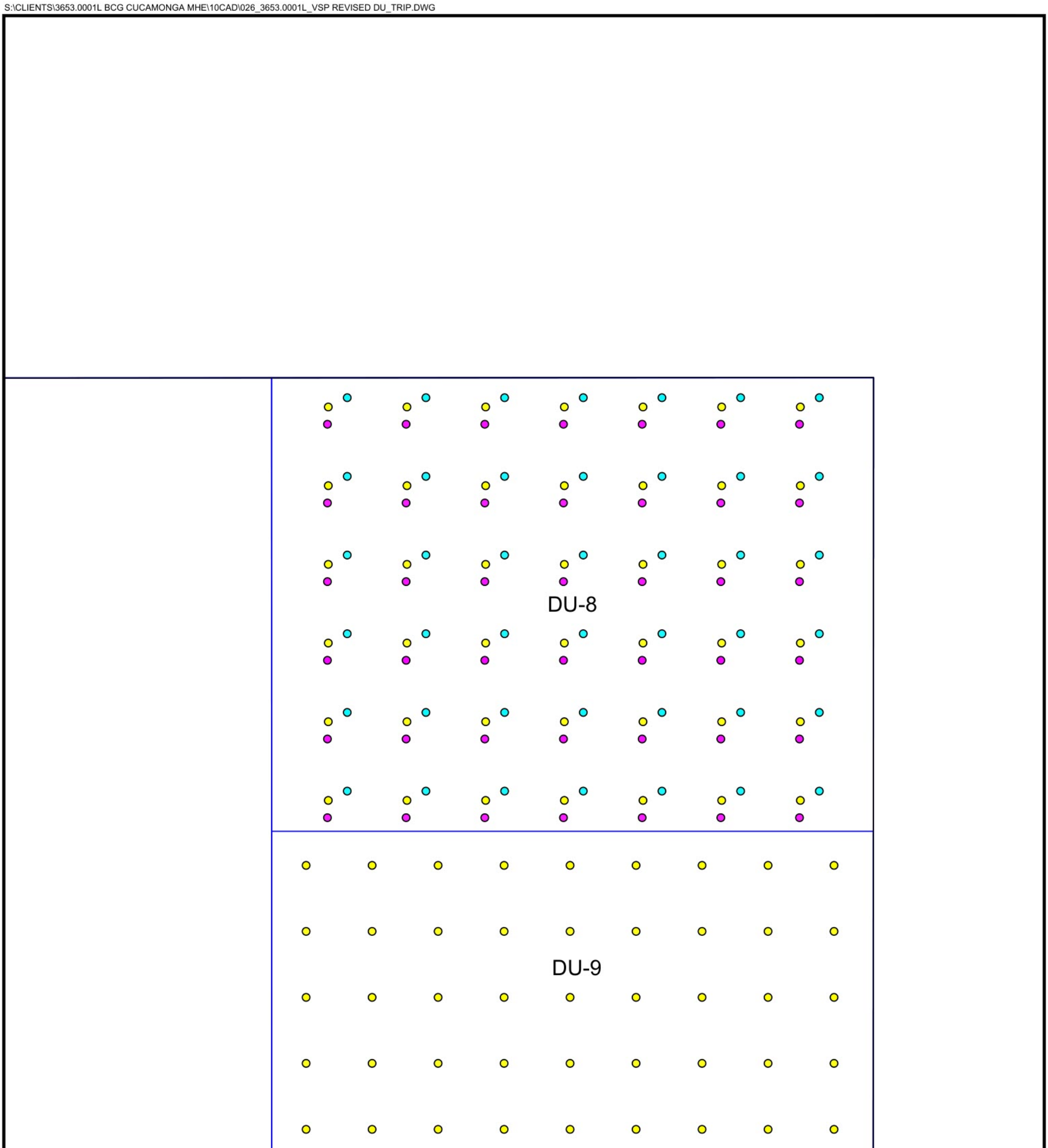
BTC III ETIWANDA COMMERCE CENTER LP

ROUX

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LEGEND

- CONCRETE SLAB OUTLINE
- PROPOSED DECISION UNITS
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES

N

10' 0 10'

Title:

INCREMENTAL SAMPLING PLAN: DU-8 AND DU-9

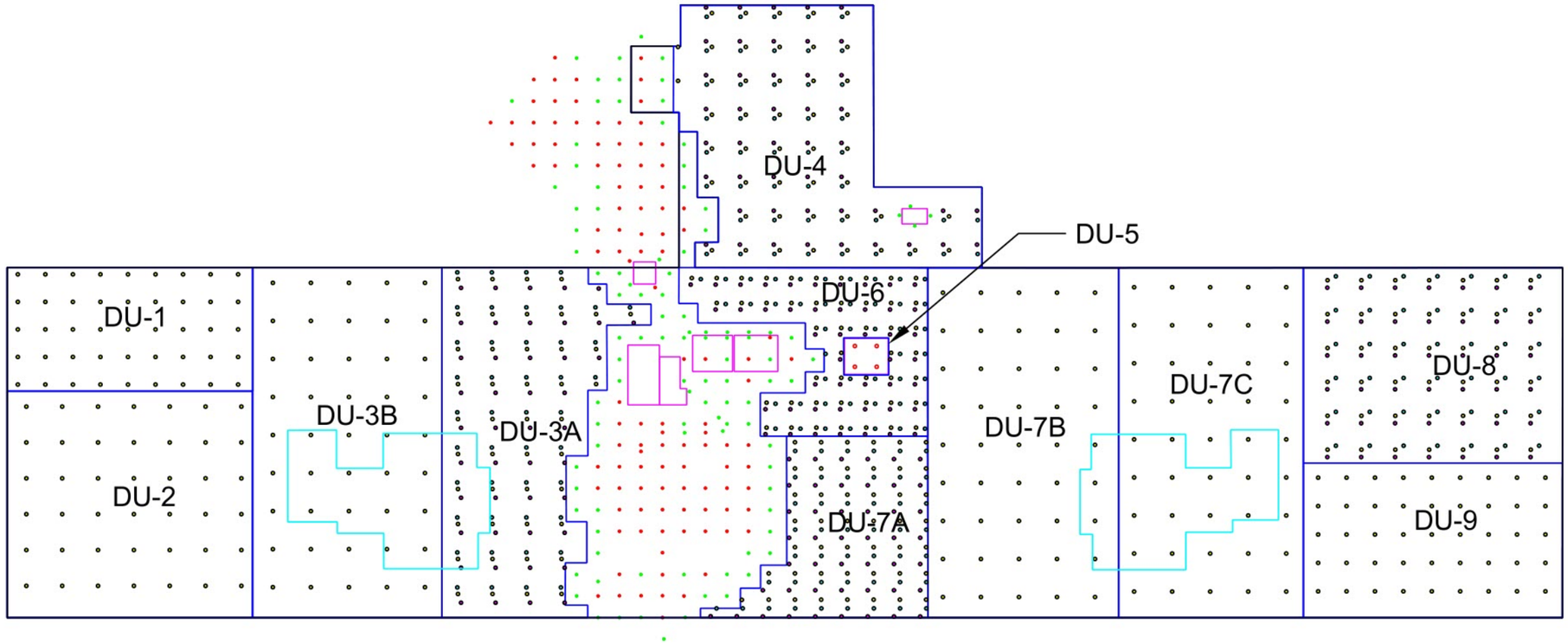
8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	6
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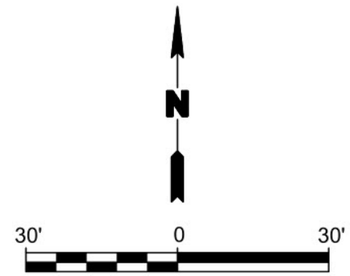


LEGEND

- CONCRETE SLAB OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PITS
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs > 0.58 MG/KG)
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs ≤ 0.58 MG/KG)
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES
- PROPOSED DISCRETE SAMPLES

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL PLAN FOR FORMER GENERATING UNITS 1 AND 2
2. MG/KG = MILLIGRAM PER KILOGRAM



Title:

PROPOSED DECISION UNITS AND INCREMENTS

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	7
Project Mgr: M.J.N.	Project: 3653.0001L	
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Attachment 1
Statistical Rationale Supporting ISM Approach

MEMORANDUM

Date: June 2, 2023

To: Jessica Hinchliffe – Senior Associate, BTC III Etiwanda Commerce Center LP

From: Matthew Nelson, PE – Roux
Travis Clow, PhD – Roux
Mauricio H. Escobar, PG - Roux

Subject: **Statistical Rationale of Incremental Sampling Methodology for Collection of Samples for Polychlorinated Biphenyl (PCB) Analysis**

Roux has prepared this memorandum providing the statistical rationale for the incremental sampling plan to be conducted as part of the Site Characterization Plan (the Plan) for concrete ground surfaces at former Generating Units 1 and 2 (Site) of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California. Incremental Sampling Methodology (ISM) is used to evaluate the mean contaminant concentration in environmental media (i.e., soil, sediment, concrete) using statistically supported techniques. The Interstate Technology Regulatory Council (ITRC) developed a guidance document describing ISM and how it is used; Incremental Sampling Methodology Update, October 2020 (ITRC, 2020). The ITRC ISM guidance was followed when establishing the rationale described below.

Approach

When sampling an area using ISM, the area must first be broken up into decision units (DUs) based on either known or assumed source areas, or on human and/or ecological receptors. DUs identified in the Plan were selected by evaluating historical uses at the Site. Once the DUs are established, the number and placement of increments (single points of collection that are combined to create an incremental sample for each DU) are evaluated for each DU. The ITRC ISM guidance recommends a range of 30 to 100 increments per DU as well as the use of Visual Sample Plan (VSP) software to best determine the appropriate minimum increment size for a given Site (ITRC, 2020). VSP version 7.19 (VSP Development Team, 2023) software was used to establish a statistical rationale for the number of increments necessary to accurately characterize each DU using an incremental sampling plan. The implicit understanding in evaluating increments for each DU was that the number of increments will be greater than 30. PCB data collected from the concrete ground surfaces at the Site were used as an input into VSP, along with an input of a greater than 95% confidence level that incremental sampling results will accurately reflect current conditions. The Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3 (DTSC, 2022) commercial/industrial soil screening level (SL) for total PCBs of 0.58 milligrams per kilogram (mg/kg) was also used as an action level input into VSP.

VSP provides multiple approaches for determining an appropriate sampling plan for a given DU. Two approaches to achieve data quality objectives (DQOs) stated in the Plan were considered for this incremental sampling plan: (1) Estimate the Mean using Stratified Sampling and (2) Compare Average to a Fixed Threshold. The VSP User Guide describes the first option, Estimate the Mean using Stratified Sampling, as being best suited for situations where there is an assumption of homogeneous contamination conditions in DU's and a fixed budget that needs to be met, rather than a specific cleanup goal (VSP, 2014). In this case, neither of these assumptions best reflect the Site and the DQOs. The second option, Compare Average to a Reference Average, allows for the comparison of the true average concentration of a DU (if one were to sample 100% of the DU) against a fixed threshold concentration (i.e., 0.58 mg/kg) to determine the number of increments needed to obtain a sufficient spatial density within a DU while simultaneously incorporating previously gathered data. The VSP User Guide states that comparing the average to a fixed threshold is the most common issue confronted in environmental remediation (VSP, 2014). The Compare Average to a Fixed Threshold approach was chosen for all DUs

at the Site, except for DU-5, because it allows for the most information to be utilized in determining an appropriate sampling plan. DU-5 is the location of a former transformer pad and the discrete sampling approach adopted for the other former transformer pads at the Site as described in the Self-Implementing PCB Cleanup and Disposal Notification Plan will be used for this DU (Roux, 2022).

Inputs and Assumptions

The baseline assumption used in VSP with the Compare Average to a Fixed Threshold sampling plan is that the data is normally distributed (i.e., follows a bell curve). This sampling plan requires a null hypothesis, which allows for a confidence level to be specified to ensure that the anticipated results accurately reflect real conditions at the Site. The null hypothesis in this sampling plan is that PCB concentrations are below the DTSC SL (0.58 mg/kg; action level) in all DUs until proven otherwise. There are two possibilities that can lead to erroneous results: (1) falsely rejecting the null hypothesis, meaning that the sampling plan results indicate that the Site is not clean, when it is clean, or (2) falsely accepting the null hypothesis, meaning that the sampling results indicate that Site is clean, when it is not clean. A confidence level of greater than 95% is specified to ensure a less than a 5% chance of incorrectly characterizing the Site by either falsely rejecting or falsely accepting the null hypothesis (false rejection rate and false acceptance rate, respectively) that the Site is clean if the true average concentration in the DU is roughly 15% higher than the DTSC SL (0.658 mg/kg; hypothetical true average concentration). A 95% confidence level is the most commonly implemented confidence level and is routinely used across virtually all branches of science (Dekking et al., 2005). A 95% confidence level is also used in an example of the Compare Average to a Fixed Threshold sampling plan in the VSP User Guide (VSP, 2014). Previously gathered data (80 samples) from clean (i.e., <0.58 mg/kg) concrete samples were used to calculate the standard deviation observed in real data due to sampling and analytical variability. The calculated standard deviation of 0.15 mg/kg was also input into the sampling plan as an expected standard deviation based on real world data, which influences the number of increments recommended by VSP. All VSP inputs used to generate the minimum number of increments per DU are shown on a screenshot from VSP included as Attachment 1 and in the table below.

Parameter	Input
False Rejection Rate	At Least 95.0%
Action Level (DTSC SL)	0.58 mg/kg
Hypothetical True Average Concentration[(b)]	0.658 mg/kg
False Acceptance Rate	No Greater Than 5%
Estimated Standard Deviation	0.15 mg/kg

Results

Using a greater than 95% confidence level, PCB SL of 0.58 mg/kg, and an estimated standard deviation of 0.15 mg/kg, VSP indicated that the minimum number of increments in a DU is **42** (Attachment 1). Increment placement within each DU was determined via systematic grid sampling (with fixed spacing) using a random start across the DU (also referred to as systematic random sampling). In other words, there is equal spacing between increments in each DU, but the starting location of the increment grid is randomly generated for each DU. This results in different increment layouts for each DU. Due to the geometry of the DUs, many DUs have more than the minimum of 42 increments (e.g., DU-1 has 45 increments).

Enclosures

Attachment 1 - VSP Screenshot of Inputs and Output

References

California Department of Toxic Substances Control Office of Human and Ecological Risk, 2022. Human Health Risk Assessment Note 3 – DTSC-Modified Screening Levels, May.

Dekking, F.M., Kraaikamp, C., Lopuhaa, H.P., and Meester, L.E., 2005. A Modern Introduction to Probability and Statistics. Springer Texts in Statistics. DOI: 1007/1-84628-168-7.

Interstate Technology Regulatory Council (ITRC), 2020. Technical/Regulatory Guidance: Incremental Sampling Methodology (ISM) Update, October.

Roux Associates, Inc., 2022. Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, November 28.

Visual Sample Plan (VSP) Development Team, 2014. Visual Sample Plan Version 7.0 User's Guide. March.

VSP Development Team, 2023. Visual Sample Plan: A Tool for Design and Analysis of Environmental Sampling. Version 7.19. Pacific Northwest National Laboratory. Richland, WA. https://www.pnnl.gov/projects/visual-sample-plan.

Attachment 1

True Average vs. Fixed Threshold

Average vs. Fixed Threshold | Sample Placement | Costs | Data Analysis | Analytes

I can assume the data will be normally distributed. For Help, highlight an item and press F1

I want to use ordinary sampling.

These design parameters apply to PCB

Specify Null Hypothesis:

I want to assume the site is acceptable (clean) until proven otherwise.

(Assume the true mean <= action level.)

Specify False Rejection Rate (alpha) and Action Level:

I want at least 95.0 % confidence that I will conclude the site is acceptable (clean) if the true mean is below the action level of 0.58 units.

Specify Upper Bound of Gray Region and False Acceptance Rate (beta):

If the true mean is 0.658 units (that is, 0.078 units above the action level) then I want no more than a 5.0 % chance of incorrectly accepting the null hypothesis that the site is acceptable (true mean <= action level).

The estimated standard deviation due to sampling and analytical variability is 0.15 units. MQO

Minimum Number of Samples for PCB: 42

Minimum Number of Samples in Survey Unit: 42

Actual samples placed on the map (required for chosen systematic pattern): 42

Close | Cancel | Apply | Help

Attachment 2
Standard Operating Procedure: Incremental Sampling Methodology for Collection of Concrete Samples for Polychlorinated Biphenyl (PCB) Analysis

ROUX

MEMORANDUM

Date: June 5, 2023

To: Jessica Hinchliffe – Senior Associate, BTC III Etiwanda Commerce Center LP

From: Matthew Nelson, PE – Roux
Mauricio H. Escobar, PG – Roux

Subject: **Standard Operating Procedure: Incremental Sampling Methodology for Collection of Concrete Samples for Polychlorinated Biphenyl (PCB) Analysis**

Roux has prepared this Standard Operating Procedure (SOP) for inclusion in the Site Characterization Plan (the Plan) for concrete ground surfaces at former Generating Units 1 and 2 (Site; Figure 1) of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California. The purpose of this SOP is to establish guidelines and procedures for the collection of concrete samples for laboratory analysis of polychlorinated biphenyls (PCBs) in accordance with the incremental sampling methodology (ISM) proposed in the Plan. ISM is used to evaluate the mean contaminant concentration in environmental media (i.e. soil, sediment, concrete) using statistically supported techniques. The Interstate Technology Regulatory Council (ITRC) developed a guidance document describing ISM and how it is used; Incremental Sampling Methodology Update, October 2020 (ITRC, 2020). This SOP describes the procedures and equipment needed to prepare, collect, and preserve field samples before laboratory analysis, and is largely based on the ITRC ISM guidance document and the US Environmental Protection Agency (USEPA) Region 1 Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs; USEPA, 2011).

This SOP was developed in coordination with USEPA and the Department of Toxic Substances Control (DTSC) via a series of meetings (March 17 and May 3 and 5, 2023) and interim submittals (March 14 and 17 and May 5, 11, and 19, 2023).

Considerations

ISM is a structured composite sampling protocol that was developed to address the variability present in environmental samples/media, which yields more consistent and reproducible results than traditional, discrete sampling approaches. ISM reduces potential biases in the sampling methodology by collecting several "increments" of the material being analyzed that are then combined, processed, and subsampled to reliably estimate the mean concentration of a particular sampling area. The ISM approach requires attention to quality assurance/quality control (QA/QC) measures throughout the sampling process.

When sampling an area using ISM, the area must first be broken up into decision units (DUs) based on either known or assumed source areas, or on human and/or ecological receptors. Before sampling begins, DUs will be marked out in the field along with each of the individual increment locations. DUs have been determined in consultation with USEPA and DTSC and are based on Site-specific features and historical knowledge. The number of increments and their locations have been generated using Visual Sample Plan (VSP) software and Site-specific information. Increment placement within each DU was determined via systematic grid sampling (with fixed spacing) using a random start across the DU.

Equipment and Materials

Equipment and materials needed to perform the sampling described in this SOP are as follows.

1. General field supplies and personal protective equipment (PPE):

a. Job Safety Analysis (JSA) and PPE, as specified in the Site-specific Health and Safety Plan (HASP). Minimum PPE includes:
    i. Safety glasses;
    ii. Hearing protection;
    iii. Respiratory protection (N95 mask);
    iv. Nitrile gloves; and
    v. Safety-toe (e.g., steel toe, composite toe) boots.
b. The Plan, which outlines sampling requirements including the Site-specific data quality objectives (DQOs); and
c. Field notebook, field form(s), maps, chain-of-custody (COC) forms.

2. DU and Increment Layout Equipment:
    a. Spray paint to mark DU extents;
    b. String and stakes;
    c. Measuring tape; and
    d. Handheld global positioning system (GPS).
3. Decontamination Equipment:
    a. Distilled water;
    b. Isopropanol; and
    c. Wire brushes for removing particulates.
4. Sampling Equipment:
    a. Clean brush/cloth to clear increment area;
    b. Single use aluminum foil sheets to collect increment powder;
    c. Stainless steel scoopula;
    d. Rotary hammer drill with 1 1/8-inch diameter drill bit;
    e. Drill bit shroud;
    f. Digital scale for measurement of increments:
    g. Large resealable bag for collecting increments;
    h. Large resealable bag or glass jar large enough to contain all increments for a DU; and
    i. Coolers/ice chests.

Field Sampling Procedure

1. DUs and increments within each DU will be cleared, inspected, and marked out before sampling, as described in the Plan.

2. Collect increments, using two field samplers, starting in the corner or end of the DU. One sampler will follow the pre-determined sampling path drilling each increment. The second sampler will follow behind collecting and weighing each increment. The travel path approach (simple random sampling, random sampling within a grid, or systematic random sampling) as well as the number of replicate samples to be collected in each DU for a project will be defined in the Plan.

3. Remove any debris with a clean brush or cloth before drilling. Set up the rotary hammer for use. Secure the drill bit and drill bit shroud in the rotary hammer before connecting to a generator/power source.

4. Drill each increment approximately 0.5 inch into the concrete using a rotary hammer to generate a fine powder of the material. Multiple closely spaced holes may be needed to generate sufficient mass.

5. Collect the powdered concrete increment onto aluminum foil directly from the drill bit, by scooping it up with the foil, or using a stainless steel scoopula from the bottom of the hole. Each increment should consist of approximately 20 to 30 grams of material and will be measured in the field using a digital scale.

6. Add each increment collected to a large new resealable bag by carefully pouring the powdered concrete from the aluminum foil directly into the bag. The resealable bag will be specific for each DU and large enough to contain all increments for the DU, which are expected to be 1,200 to 1,400 grams each, and a minimum of 1,000 grams.

7. Following collection of all increments for the DU, the resealable bag containing the sample should be placed in an additional sealed plastic bag, and then into an ice chest/cooler with ice surrounding the sampling bags. Double bagging the sample will help to prevent water from ice compromising the sample.

8. Record the samples on a chain-of-custody (COC). Ensure that the laboratory project number and "ISM" is noted for each analytical method on the COC. The following will be included on the chain-of-custody form accompanying the samples to the laboratory:
    a. Sample extraction method: EPA method 3540C (manual Soxhlet)
    b. Analytical method: EPA method 8082A.
    c. All laboratory analytical results are to be reported on a dry weight basis.
    d. Detection and quantitation limits must be at least 50% lower than the action level of 0.58 mg/kg total PCBs.

9. Decontaminate sampling equipment in accordance with the Decontamination section below.

10. Repeat the incremental sampling process within the DU to collect second and third replicate samples, or advance to the next DU, as appropriate. Consult the Plan for the number of replicate samples to be collected from each DU. Additional details regarding replicate samples are provided in the Quality Control Field Sample Collection section below.

Decontamination

Decontamination of reusable sampling equipment is not required between increments, but shall be performed between each DU and between replicate samples within a DU. Decontamination shall be performed by swabbing with isopropanol, consistent with TSCA. A brush may be used before swabbing to remove any particulates from the sampling equipment to facilitate thorough decontamination. All parts of the reusable sampling equipment that may come in contact with sample media shall be decontaminated. Any paper towels or rags used as part of decontamination activities shall be containerized for proper disposal.

A written record of the decontamination procedures, including photos and video, will be taken and saved in the project file.

Quality Control Field Sample Collection

Field replicate samples are an integral part of the ISM approach and are used to assess potential bias in the sample collection process to evaluate the mean PCB concentration of each DU and evaluate field and laboratory precision. Replicate samples are independently collected incremental samples that are collected following the same procedures described above for the original sample. The increment layout for replicate samples was determined via systematic grid sampling (with fixed spacing) using a random start across the DU using VSP in the same manner as the original increments. Replicate samples will consist of the same number of increments for each DU. All samples shall be handled the same throughout the field and laboratory procedures.

Consult the Plan regarding the quantity and type of quality control samples to be collected for the sampling event.

Sample Submission to Laboratory for Preparation/Analysis

Implementation of the ISM sampling protocol requires close communication and coordination with the analytical laboratory. Before sampling activities begin, plans should already be in place with the laboratory to ensure that the laboratory understands the specific handling and processing requirements.

In general, ISM samples should not be sub-sampled, divided, or processed (e.g., sieved) in the field. The entire ISM sample volume (all increments within a DU) should be submitted to the laboratory for processing and analysis.

References:

Interstate Technology Regulatory Council (ITRC), 2020. *Technical/Regulatory Guidance: Incremental Sampling Methodology (ISM) Update*, October.

USEPA, 2011. *USEPA Region 1 Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs)*, May 5.

Attachment 3
Laboratory Standard Operating Procedure for Multi-Incremental Sampling (MIS)

Title : **MULTI-INCREMENTAL SAMPLING (MIS)**

Document No. : SOP-M235
Revision No. : 2.2
Supersedes : 2.1

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Revision 2.2 changes are noted in bold italicized typeface and preceded by a "►" marker.

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APPROVED FOR RELEASE BY: _____ 4/20/2018
MANAGEMENT **DATE**

_____ 4/20/18
QA DEPARTMENT **DATE**

1. METHOD IDENTIFICATION

1.1. Multi-Incremental Sampling of Solid Matrices.

2. APPLICABLE MATRICES

2.1. Solid, soil, sludge and sediment samples.

3. ►DETECTION / QUANTITATION LIMITS

3.1. Not Applicable to this preparation procedure. Please refer to the determinative procedures that are specific to the target analytes being analyzed for.

4. SCOPE AND APPLICATION

4.1. Multi-Incremental Sampling is the process of taking multiple soil increments, across a defined decision unit in the field, and then again in the laboratory to produce a fully representative sample for preparation and analysis.

4.2. The procedure outlined in this SOP is not to be used for the preparation of VOC samples nor for samples requiring analysis for Explosives via EPA 8330B.

4.2.1. The procedures presented in this SOP are limited to samples that require nonvolatile analysis only. Volatile analyses (8260, 8015 GRO and DRO, Mercury and certain PAH's) are adversely impacted by the drying and sieving procedure due to volatilization of target analytes and is therefore not recommended.

4.2.1.1. Samples for 8260 or 8015 GRO should be collected using method 5035 (encore or terracore) kits.

4.2.1.1.1. Additionally, MIS aliquotting in the field, following the HEER guidance is preferred: use a collection device such as an easy-draw syringe and 500ml or 1 liter amber containers with methanol in a 1:1 ratio.

4.2.1.2. Samples for percent moisture, 8015 DRO/TPHD, mercury and the volatile PAH's should be taken immediately from the field sample, prior to drying and sieving.

4.2.2. Refer to Appendix A and Appendix B, for a listing of analytes and preferred treatment processes.

4.2.3. Samples for Explosives by EPA 8330B must undergo a grinding procedure prior to analysis. The grinding procedure is not outlined in this SOP.

4.3. Sub-sampling, homogenization, drying and sieving practices have an important effect on the reported results. Improper incremental sampling procedures can lead to results that have significant biases and large imprecision.

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4.4. This is a time intensive procedure and great care must be taken to assure the samples are handled properly throughout all steps of this process. EPA recommended holding times start when the sample is initially collected. As the MIS procedure takes 1 to 5 days, monitoring holding times is critical.

5. ►METHOD SUMMARY

5.1. A solid/soil sample (50g to 2000g) is received directly from the field, often in large resealable bags. The sample is 'homogenized', large 'clumps' broken down to a consistent size, spread out on a tray and ***MI subsamples are taken "wet" for the more volatile analytes, (ie. mercury, some PAHs, cyanide, TPH-D. etc).***

5.2. ***The "dry" samples are*** allowed to air dry for a minimum of one to five days.

5.3. Once dry, the entire sample is passed through a #10 sieve to reduce the particle size of the sample to less than 2mm. The sample is then incrementally sampled to produce an aliquot for preparation and analysis for any one of many nonvolatile analyses.

5.4. Comments

5.4.1. Collect samples to be tested for VOCs (including TPHg) separately from samples to be tested for SVOCs and non-volatile chemicals;

5.4.2. MI samples to be tested for VOCs:

5.4.2.1. Consider field preservation of increments in methanol using the procedure outlined in the HEER document. A summary is included below:

5.4.2.1.1. Please note that the 150 mL methanol composite should not be shipped to the lab, but instead should be allowed to equilibrate (sit) for 24 to 48 hours, under proper conditions (0−6°C).

5.4.2.1.2. Following this period of rest, a 20−40 mL aliquot of the methanol should be subsampled and that aliquot should be sent to the lab for analysis. This helps with any potential shipping issues.

5.4.2.1.3. We will need the tare weights of the methanol and container both pre and post sample collection in order to determine exact sample weight.

5.4.2.2. Hazardous materials shipping regulations restrict the volume of methanol to no more than 30 milliliters per container and a maximum of one liter per cooler;

5.4.2.2.1. If shipping methanol-preserved samples is not practical then consider freezing individual 5035 increments for shipment and having the increments combined in methanol at the lab;

5.4.2.3. Include naphthalene as a VOC;

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5.4.3. MI samples to be tested for semi-volatile chemicals (see Appendix A, Table 1):

5.4.3.1. Collect samples to be tested for SVOCs separately from samples to be tested for VOCs;

5.4.3.2. Samples do not have to be field-preserved, but should be cooled and immediately subsampled for testing upon receipt at the laboratory;

5.4.4. At the lab:

5.4.4.1. Subsample MI samples to be tested for SVOCs (see Table 1; including % Moisture, TPHd, some PAHs and mercury), immediately after the sample is homogenized and spread out and prior to drying and sieving.

5.4.4.1.1. ***The wet material is tested*** for percent moisture in order to convert analytical results to dry-weight basis;

5.4.4.1.2. All other analyses are already in a dry weight form and will not be further corrected for moisture.

5.4.4.2. Follow standard drying and sieving methods if additional tests are required for non-volatile chemicals using a different lab analysis.

5.4.5. If both SVOC and non-volatile PAHs are targeted as contaminants of potential concern, then include testing for both in laboratory subsamples collected from the MI sample prior to drying and sieving.

6. DEFINITIONS

6.1. Blank: A sample that has not been exposed to the analyzed sample stream in order to monitor contamination during sampling, transport, storage, preparation or analysis. The blank is subjected to the usual analytical and measurement process to establish a background value.

6.2. Composite: A sample that is an aggregate of separate discrete samples.

6.3. Corrective Action: The action taken to eliminate the causes of an existing nonconformity, defect or other undesirable situation in order to prevent recurrence.

6.4. Holding Times: The maximum times that samples may be held prior to analysis and still be considered valid or not compromised. The holding time for SVOC analyses is 14 days from collection.

6.5. Homogenize: To make uniform in consistency.

6.6. Increment: One of a series of regular additions or contributions:

6.7. Multi-Increment®: a comprehensive sampling methodology used to represent a specific population (decision unit) and provide a foundation for defensible decision making.

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6.8. Multi-layered Sample: A sample consisting of two or more clearly differentiated components (visually distinct layers of material). The layers may be a result of density difference such as liquid/liquid layers, liquid/solid layers, solid/solid layers (small rocks and large rocks), or a combination of these layers.

6.9. Particle Size: The controlling lineal dimension of individual particles, or, the physical dimension of an object's pieces or parts.

6.10. Sieve: A tool to separate materials of one characteristic or size from another.

6.11. Sieving: A simple technique of separating particles of different sizes by passing the material through a sieve of predetermined mesh size.

6.12. Sub-sample: A portion of a sample taken for the purpose of estimating properties or composition of the whole sample.

6.13. VOC: Volatile Organic Compounds - have a low boiling point, and a high vapor pressure at room temperature which causes large numbers of molecules to evaporate or sublimate from the liquid or solid form of the compound and enter the surrounding air.

7. INTERFERENCES

7.1. The equipment used in this procedure will be used for multiple samples. Proper cleaning of all related equipment between samples is essential for the success of this preparation procedure.

7.2. Multi-incremental sampling must be conducted in an area free from contamination that is easily decontaminated and is vented to control dust and fumes.

7.3. All materials, benches, racks, etc. must be kept clean and free from dust and particulates that can contaminate the samples while being dried. Ensure that all preparation areas are wiped clean of dust and debris prior to beginning this procedure.

8. SAFETY

8.1. Solids, soils and sediments may contain chemically or biologically active toxicants. Exposure to these agents and associated reagent chemicals should be minimized through the use of proper protective equipment and safe laboratory practices as referenced in the current Eurofins Calscience Health & Safety Manual.

8.1.1. At a minimum, Personal Protective Equipment (PPE) includes safety glasses, nitrile or latex gloves and lab coats. Additional safety equipment should be used as needed.

8.2. Cracked or broken glassware should be immediately discarded into a broken glassware receptacle. Broken glassware shall never be used.

8.3. Material Safety Data Sheets (MSDSs) are available for each laboratory reagent and chemical. Employees should review and be familiar with the hazards and precautions outlined in the MSDS for all chemicals to be used prior to handling.

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8.4. To ensure the safety of the technician, this procedure should not be performed alone. Another technician or chemist should be in the vicinity and must check in on the technician.

9. EQUIPMENT AND SUPPLIES

9.1. 2-mm Sieves (#10).

9.2. Aluminum foils and paper liners, large width.

9.3. Bakers racks, various sizes.

9.4. Certified clean sampling jars, 2oz, 4oz, 8oz and 16oz.

9.5. Cookie sheets/baking pans (3/4"-1" deep), plastic and stainless steel, various sizes.

9.6. Dispensers, plastic squeezable, for solvent, 1/2 liter.

9.7. Sample labels and indelible pens/markers.

9.8. Stainless steel spatulas, wooden tongue depressors, Teflon-coated or other plastic spatulas or spoons.

9.9. Stainless steel, Teflon-coated, or other plastic forceps and/or tweezers, large.

9.10. Stainless steel, square-bottomed scoops for IS aliquotting.

9.11. Stainless steel, Teflon coated and plastic bowls, medium and large.

9.12. Top–loading balance, capable of weighing to 0.1 grams.

9.13. Washing brushes, various types and sizes.

10. REAGENTS AND STANDARDS

10.1. Reagents are used only for the cleaning and drying of related incremental sampling equipment used in this procedure.

10.1.1. Reagent grade chemicals are used. Other grades may be used, provided it is first ascertained that the reagent is of sufficiently high purity to permit its use without lessening the accuracy of the determination.

10.1.2. Alconox detergent solution or equivalent.

10.1.3. Nitric Acid Solution 0.5 Normal, employed as a decontamination / cleaning solution.

10.1.4. Acetone or Methanol, reagent grade, used as a cleaning/drying solvent.

11. ►SAMPLE COLLECTION, PRESERVATION, CONTAINERS AND HOLDING TIMES

11.1. Please refer to the specific determinative extractive/digestive and analytical procedures for the target analytes of concern.

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12. ►QUALITY CONTROL

12.1. ***Refer to the appropriate analytical method for guidance on quality control procedures.***

13. CALIBRATION AND STANDARDIZATION

13.1. Calibration and standardization protocols are defined by the determinative extractive and analytical procedures that are specific to the target analytes.

14. ►PROCEDURE

14.1. Drying Tray and Equipment Preparation:

14.1.1. The baking sheets used for drying the samples will be stainless steel or plastic. There are medium (13" x 18") and large (18" x 26") sheets. Choose the appropriate size based upon the volume of sample received. Too big is better than too small.

14.1.2. Prior to use, and between samples, the trays, sieves bowls and other sample related equipment must be washed thoroughly with Alconox ***or Liquinox*** detergent solution, rinsed and thoroughly dried. Use a brush for cleaning as needed.

14.1.3. After cleaning with ***detergent,*** rinse the equipment with copious amounts of tap water until the detergent residue is removed and then do a final rinse with DI water.

14.1.3.1. After rinsing, stainless steel and Teflon coated equipment may be further rinsed with a dilute (0.5N) solution of Nitric Acid using a dispenser bottle.

14.1.4. Dry the equipment with clean paper towels, Kimwipe® type tissues and/or allow it to air dry on racks.

14.1.4.1. Stainless steel or Teflon coated equipment may be dried with the use of a solvent such as methanol or acetone. If solvent is used the equipment must be allowed to "dry" under the hood until the solvent has fully evaporated from the surface. And, the solvent rinses must be collected in an appropriate satellite waste container for flammable solvents.

14.1.5. Once dried, the equipment is now ready for use.

14.1.5.1. This cleaning process must be followed between each sample. Multiple sets of sieves and bowls are suggested to expedite the process.

14.1.6. Prior to use for sample drying, the working surface of the trays are to be covered with aluminum foil or a clean paper liner.

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14.1.7. It is suggested that two opposite sides of the baker's rack be covered with paper or aluminum foil, leaving the two ends open to air, to limit the amount of sample disturbance while still allowing air to access and pass over the samples.

14.2. ►Sample Preparation:

14.2.1. Take a single aluminum foil or paper covered medium or large tray (depending on the sample volume received), and label it by writing the Work Order number, sample number and container ID on a corner of the paper, or on a label which is then affixed to the tray.

14.2.2. Apply the label to the edge of the tray so it is visible when the tray is placed in the baker's rack.

14.2.3. Samples will be received in bulk form and contained in one of many sample collection devices: brass, stainless or acetate sleeves, glass jars, resealable bags.

14.2.3.1. The entire sample (anywhere from 100g to 2000g) will be used in the procedure and care must be taken to ensure that the entire sample is removed from the collection device.

14.2.4. Decant water or Homogenize as follows:

14.2.4.1. Decantable water (a separate distinct water layer on top of the soil) will be poured off of the sample prior to drying unless otherwise dictated by the client or project-specific requirements.

14.2.4.1.1. Collect the decanted fluid in an appropriate waste collection device. Do not pour down the drain. If the project requires the aqueous aliquot be maintained, pour off into a clean sample jar and label.

14.2.4.2. Moisture, or water that is a part of the sample such as sludge, will be fully incorporated into the sample by stirring or mixing prior to drying.

14.2.4.2.1. If there is sufficient space in the sample container to homogenize the sample directly within it, use a clean, Teflon spoon or stainless spatula to mix thoroughly.

14.2.4.2.2. If there is not sufficient room to homogenize without the risk of losing material from the container, transfer the entire sample to a clean stainless steel bowl and mix thoroughly using a clean Teflon spoon or stainless steel spatula.

14.2.5. Once the tray is labeled, empty the entire contents of the sample container onto the tray. Break up any large sample clumps using the spatula and/or Teflon spoon but do not grind the sample. (A clean mortar and pestle may

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be used if absolutely needed, but do not grind the sample to a fine dust, only break up the clumps to a size consistent with the rest of the sample.)

14.2.5.1. Samples received in sleeves may be difficult to remove. Use a clean stainless steel spatula or Teflon spoon to help loosen the contents to ensure complete transfer.

14.2.6. Using a stainless steel spatula or Teflon spoon, spread out the sample evenly over the entire aluminum foil covered tray. The material should be approximately ¼ to ½ of an inch thick.

14.2.6.1. Extraneous material such as leaves, twigs, rocks or stones, etc. may be removed from the sample at this time, although this is not always necessary as they will be removed via the sieving process. Only remove if their presence may prevent proper drying (a layer of leaves, etc) of the sample. If removed, the extraneous objects are to be returned to the original sample container.

14.2.6.1.1. Use forceps or tweezers to remove these objects, and not fingers.

14.3. ***The sample is now ready for incremental sub-sampling.***

14.3.1. ***Incremental Sub-Sampling Protocol:***

14.3.1.1. Now that the sample has been spread out on the tray, it can be sub-sampled using an incremental approach. To do this, visually divide up the sample into 30 approximately equal 'sampling areas' – 6 rows and 5 columns.

14.3.1.2. It is suggested that you use a ruler to approximate the sampling areas. (Do not touch the sample with the ruler.) Instead, mark the outside of the tray with colored tape to designate the boundaries and then use the stem end of a clean Teflon or steel spatula to 'score' the sample into 30 sections.

14.3.1.3. Another approach is to use a template suitable for the size tray being used to demarcate the areas for sampling (if this is done, the template shall be made of suitable material such as Teflon).

14.3.1.4.

14.4. ***"Wet Samples":***

14.4.1. ***If mercury, volatile PAH's and/or TPH D is required, remove sufficient sample volume from the tray with a stainless steel or Teflon spatula or square bottom scoop to remove the soil from each of the sampling areas and transfer into jars of suitable size. Be sure to collect a sample for percent moisture determination and try to limit the amount of headspace present.***

14.4.2.

14.4.2.1. Depending on the number of analyses and related QC required, the aliquots that will be removed from each

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sampling area will vary in weight from about 0.33 grams to as much as 1 or 2 grams of sample.

14.4.2.2. The aliquots for each analysis shall be collected separate from other analyses.

14.4.2.3. As an example: the testing needed involves mercury and TPH Diesel, collect the first thirty aliquots for the metals analysis and place in a 2-oz jar or a metals digestion tube. Each aliquot collected is approximately 0.33 grams for a total of ~10 grams.

14.4.2.4. Each aliquot will be combined together with the others and placed in a 2oz, 4oz, or other size jar, as needed

14.4.2.5. As much as possible, remove aliquots with small particle size (~2mm) from the tray.

14.4.3. ***Label the jars with the work order and the next available sample numbers from that of the original samples and a container ID, i.e., if the original samples are numbers 1 through 4, the "wet " samples created are labeled numbers 5 (A, B, C...for each analytical method) through 8 (A, B, C...). Attach labels with the appropriate analytical method.***

14.4.4. ***Place the labeled container (jar or digestion tube) on a calibrated balance and tare. Place each of the thirty aliquots into the container. Once all thirty are combined, remove the container from the balance and record the weight to the nearest decimal place on the sample label.***

14.4.5. ***Record the applicable information in the MIS logbook:***

14.4.6. ***Date, Workorder Number, Sample ID, Container ID***

14.4.7. ***Circle the container type (jar, sleeve, bag, etc)***

14.4.8. Once completed, the sample jars are returned to sample control. Be sure to notify ***sample log-in or*** the PM so they can initiate log-in for the required analyses.

14.4.9. Following this, place the sample tray in the baker's rack with the label showing.

14.4.9.1. Follow the same procedure (14.2-14.4) for all other samples.

14.4.9.2. Record all pertinent information in the MIS logbook.

14.5. ***Drying:***

14.5.1. After the blank and all field samples have been properly spread out on the trays, ***the "wet" sample aliquots have been harvested,*** and the trays have been placed in the racks, roll the racks over to the hood and place in front to facilitate air flow over the samples. Be sure that one of the open ends of the rack faces the hood (is perpendicular to the hood sash).

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14.5.2. Pull the hood sash down to ***the "SASH POSITION"*** to maintain a constant flow of air in the lab without creating pockets of air that swirl and potentially disrupt the samples.

14.5.3. The samples must undergo a minimum of 24 hours of drying time and may be dried for up to five (5) days.

14.5.3.1. During the drying process, check each of the samples and if needed, gently "stir" the samples using a steel or Teflon spatula to expedite the release of moisture. Once you have stirred the samples about on the tray, re-spread out the soil to a standard depth of ¼ to ½ of an inch and continue the drying process.

14.5.3.2. If sample stirring is needed, remove the trays from the rack so as not to knock sample from one tray onto another and be careful not to lose any of the sample during the process.

14.5.4. When the samples appear to be dry, a minimum of 24 hours has passed and there are no obvious signs of moisture, the samples are now ready for sieving. ('Dry' samples should display a fairly consistent color, texture and appearance.)

14.5.4.1. It is advised that a small, representative aliquot (~10g) of each sample be weighed when assumed to have reached the point of 'dryness', and then again in a sequential manner to confirm that the change in mass has not varied by more than 0.5g. Sequential weighings should be at least one hour apart.

14.6. Sample Sieving Protocol:

14.6.1. The entire dried sample will be sieved prior to continuing with the incremental sampling procedure.

14.6.2. Retrieve a clean tray of suitable size and place ***in a hood*** and cover with a layer of paper or foil.

14.6.3. Retrieve a #10 (2mm) sieve and a dried-sample tray from the rack. Do not remove the sample label from the tray.

14.6.4. Hold the sieve over tray and begin adding sample to the sieve with a Teflon or other stainless steel spatula or spoon. (The soil can be formed into a mound on the tray to assist with the transfer process.)

14.6.4.1. At the start of the transfer process, do not attempt to lift the foil/paper off of the tray to pour the sample into the sieve as the foil may tear and subsequent loss of sample will occur. This can be done when there is a little sample left to aid in complete transfer of the sample to the sieve.

14.6.5. Shake the sieve gently from side to side allowing the sample to pass through the sieve onto the tray. (Move the sieve all over the tray; don't just allow the sample to form a mound in the middle of the tray.) Continue the process until the entire sample has passed through the sieve. Set the sieve aside for cleaning prior to further use.

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14.6.5.1. Any large items left in the sieve should be returned to the original sample container.

14.6.5.2. During the sieving process the sample should have been allowed to deposit over all areas of the tray, if there are larger mounds, distribute the sample to a fairly even level, ¼ to ½ of an inch, using a clean Teflon or stainless steel spatula. Gently 'shaking' the tray from side to side may also help to evenly distribute the sample across the tray.

14.6.6. The sample is now ready for incremental sub-sampling ***of "dry" samples***.

14.7. ***"Dry" Samples:***

14.7.1.1. Repeat the Incremental Sub-Sampling Protocol (14.3). Harvest incremental samples for each "dry" analysis (Metals (non-mercury), TPH motor oil, PCBs, etc.) in separate containers.

14.7.1.2. Label the jars with the work order and the next available sample numbers from that of the original samples and a container ID, i.e., if the original samples are numbers 1 through 4, the "dry " samples created are labeled numbers 9 (A, B, C…for each analytical method) through 12 (A, B, C…). Attach labels with the appropriate analytical method.

14.7.1.3. Place the labeled container (jar or digestion tube) on a calibrated balance and tare. Place each of the thirty aliquots into the container. Once all thirty are combined, remove the container from the balance and record the weight to the nearest decimal place on the sample label.

14.7.1.4. Record the applicable information in the MIS logbook:

14.7.1.4.1. Date, Workorder and ***Sample IDs.***

14.7.1.4.2. Enter date and time drying started

14.7.1.4.3. When complete, enter date and time drying finished

14.7.1.4.4. Include any needed comments

14.7.1.5. Make a copy of the logbook page(s) and provide to the PM.

14.7.1.6. The following table lists the minimum sample mass needed for samples and QC for the standard analyses.

Minimum Sample Mass Required for Analysis			
Analytical Method	**Environmental Sample Mass (g)**	**Prep Blank Mass (g)**	**MS/MSD Mass (g)**
EPA 8015 - ext	10	10	10/10

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EPA 8081A	20	20	20/20
EPA 8082	20	20	20/20
EPA 8141A	10	10	10/10
EPA 8270C	20	20	20/20
EPA 8270C - PAH	10	10	10/10
EPA 8270C - PAH SIM	20	20	20/20
EPA 8310	20	20	20/20
EPA 6010 / 6020	1.0	N/A	1.0/1.0
6010 or 6020, Low Level*	10	N/A	10/10
EPA 7471	0.6	N/A	0.6/0.6
7471, Low Level*	5.0	N/A	5.0/5.0
% Moisture	10	N/A	Dup - 10

*Specifically required for Hawaii projects, may also be performed by client or project requirement. Clients may also request an increase of the sample size for the organic analyses.

14.7.2. The sub-sample is now ready for further preparation and/or digestion.

14.7.3. ***Take the sample jars to sample control. Be sure to notify sample log-in or the PM so they can initiate log-in for the required analyses.***

14.7.4. Return any sample that would not pass through the sieve to the original sample container ***or new plastic bag with ID "Y".***

14.7.5. Return any additional MIS sample (after sieving) to a clean jar and label with the workorder ***number*** and sample ID "Z".

14.7.6. Return all containers to sample control.

14.7.7. ***Attach a "USDA Restricted Sample" label to samples from outside of mainland USA .***

14.8. Clean all utensils and equipment. After cleaning place in clean plastic bags or wrap with fresh aluminum foil and place in a secure area.

15. CALCULATIONS

15.1. Calculation protocols are defined by the determinative extractive and analytical procedures that are specific to the target analytes.

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16. METHOD PERFORMANCE

16.1. Method Performance is defined by the determinative extractive and analytical procedures that are specific to the target analytes.

17. POLLUTION PREVENTION

17.1. None.

18. DATA ASSESSMENT AND ACCEPTANCE CRITERIA

18.1. Data acceptance and acceptance criteria are defined by the determinative extractive and analytical procedures that are specific to the target analytes.

19. CORRECTIVE ACTIONS

19.1. If on the basis of internal or external systems or performance audits, routine monitoring of laboratory support equipment, or QC sample analysis results, analytical systems fail to meet the established criteria, an appropriate corrective action must be implemented.

19.2. The Operations Manager, Project Manager, QA Manager, Group Leader and analyst may be involved in identifying the most appropriate corrective action. If previously reported data are affected or if corrective action will impact the project, the action may directly involve the Laboratory Director.

19.3. Corrective actions are generally of two types, immediate and long-term actions.

19.3.1. An **immediate action** is designed to correct or repair nonconforming instruments and measurement systems. The analyst or Group Leader as a result of calibration checks and other QC sample analyses most frequently will identify the need for such an action.

19.3.2. A **long-term action** is designed to eliminate causes of nonconformance. The need for such actions is identified by systems and performance audits. The systematic nonconformances identified during the data generation process and the appropriate corrective measures taken are thoroughly documented in the Corrective Action Record. Examples of this type of action include:

19.3.2.1. Remedial training of staff in technical skills, technique or implementation of operating procedures.

19.3.2.2. Rescheduling of analytical laboratory routine to ensure analysis within holding times.

19.3.2.3. Revision of standard operating procedures.

19.3.2.4. Replacing personnel, as necessary.

19.4. For either type of corrective action, the sequential steps that compose a close-loop corrective action system are as follows:

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19.4.1. Define the problem.

19.4.2. Assign responsibility for investigating the problem.

19.4.3. Investigate and determine the cause of the problem.

19.4.4. Assign and accept responsibility for implementing the corrective action.

19.4.5. Determine effectiveness of the corrective action and implement.

19.4.6. Verify that the corrective action has eliminated the problem.

19.5. Depending on the nature of the problem, the corrective action employed may be formal or informal. In either case, occurrence of the problem, the corrective action employed, and verification that the problem has been eliminated must be properly documented on a Corrective / Preventive Action Record.

20. CONTINGENCIES FOR OUT-OF-CONTROL OR UNACCEPTABLE DATA

20.1. Out-of-Control and unacceptable data protocols are defined by the determinative extractive and analytical procedures that are specific to the target analytes.

21. WASTE MANAGEMENT

21.1. The proper disposal of analytical samples and laboratory wastes is not only good laboratory practice, but also regulated by a variety of local, state, and federal laws. In order to remain compliant with these laws, the samples and wastes are identified, segregated, and either returned to the client (preferable) or placed into the proper laboratory waste stream.

21.2. Each specific laboratory area shall maintain clearly labeled waste containers for small quantity waste collection. These satellite waste containers shall be used for temporary collection of residual sample from aliquotting procedures, contaminated consumables, sample extracts, purged aqueous samples, and other wastes that require disposal as hazardous waste.

21.3. Unused or remaining soil or liquid samples and all other solid or liquid wastes resulting from our laboratory operations are considered hazardous for disposal purposes.

21.4. Waste management procedures shall adhere to the current revision of SOP-T005, "Disposal of Laboratory Samples and Wastes."

21.5. To ensure compliance with Federal RCRA regulations, the Hazardous Waste Coordinator collects and disposes of the hazardous waste at each satellite collection point no less than monthly.

21.6. In order to maintain accountability for all samples received by Eurofins Calscience, when a sample is used in its entirety for analysis, the empty container(s) are returned to Sample Control for placement in analytical storage.

21.7. The toxicity, carcinogenicity and other health hazards associated with the use of biological specimens and most laboratory chemicals have not been precisely

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defined. Each specimen and chemical should be handled assuming it is a potential health hazard. Exposure to these specimens and chemicals should be minimized through the use of proper protective equipment and safe laboratory practices as referenced in the current revision of Eurofins Calscience's Health, Safety, and Respiratory Protection Manual.

21.8. Processes that promote vaporization of volatile chemicals should be performed in an area well ventilated to the exterior of the laboratory to prevent contamination to other areas in the laboratory.

22. REFERENCES

22.1. Technical Guidance Manual Notes: Decision Unit and Multi-Increment* Sample Investigations. Roger Brewer and John Peard, Hazard Evaluation and Emergency Response (HEER), March 2011.

22.2. Technical Guidance Manual for the Implementation of the Hawaii State Contingency Plan, Interim Final, November 12, 2008.

22.3. ASTM D 6323-98 Standard Guide for Laboratory Subsampling of Media related to Waste Management Activities (Reapproved 2003).

22.4. United States EPA, "Guidance for Obtaining Representative Laboratory Analytical Sub-samples ***from*** Particulate Laboratory Samples", R. Gerlach and J. Nocerino, EPA/600/R-03/027, November 2003.

23. TABLES, DIAGRAMS, FLOWCHARTS AND VALIDATION DATA

23.1. Appendix A: Recommendations for MIS field preservation or laboratory subsampling based on overall chemical stability (e.g., volatility and half life).

23.1.1. Table 1: Volatile Chemicals: Preserve Samples in Methanol in the Field)

23.1.2. Table 2: Semi-Volatile or Otherwise Semi-Stable Chemicals: Subsample MI Bulk Sample at Laboratory Upon Receipt Without Drying

23.1.3. Table 3: Metals (presumed stable but depends on target species): Dry and Sieve MI Samples for Laboratory Subsampling

23.1.4. Table 4: Non-Volatile or Otherwise Stable Chemicals: Dry and Sieve MI Samples for Laboratory Subsampling

23.2. Appendix B: Recommendations for MIS field preservation or laboratory subsampling of samples to be tested for PAHs.

23.2.1. Table 1: Semi-Volatile PAHs (H >0.00001 AND MW <200): Subsample MI Bulk Sample at Laboratory Upon Receipt Without Drying

23.2.2. Table 2: Non-Volatile PAHs (H <0.00001 OR MW >200): Dry and Sieve MI Samples for Laboratory Subsampling

23.3. MIS Flowchart

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24. MODIFICATIONS

24.1. Not Applicable, SOP references multiple independent sources.

25. REVISION HISTORY

Revision	Description	Author	Effective Date
0.0	SOP Promulgated	L. Scharpenberg	04/27/2010
1.0	SOP Revised	L. Scharpenberg	08/01/2010
2.0	SOP Revised	L. Scharpenberg	11/26/2012
2.1	SOP Revised	L. Scharpenberg	06/02/2014
2.2	SOP Revised	R. McHale	05/23/2017

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APPENDIX A

Recommendations for MIS field preservation or laboratory subsampling based on overall chemical stability (e.g., volatility and half life)

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Table 1: CHEMICAL PARAMETER	[1]PhysicalState		Molecular Weight	[2]Vapor Pressure mm Hg (25C)	Henry's Law Constant (H) (atm-m3/mol)
[3]Volatile Chemicals **Preserve** Samples in Methanol **in the Field** (or approved alternative, see text)					
ACETONE	V	L	58	2.3E+02	3.9E-05
BENZENE	V	L	78	9.5E+01	5.61E-03
BIS(2-CHLOROETHYL)ETHER	V	L	143	1.6E+00	1.7E-05
BROMODICHLOROMETHANE	V	L	164	5.0E+01	2.1E-03
BROMOFORM	V	S	253	5.4E+00	5.4E-04
BROMOMETHANE	V	G	95	1.6E+03	6.3E-03
CARBON TETRACHLORIDE	V	L	154	1.2E+02	2.7E-02
CHLOROBENZENE	V	L	113	1.2E+01	3.2E-03
CHLOROETHANE	V	G	65	1.0E+03	1.1E-02
CHLOROFORM	V	L	119	2.0E+02	3.7E-03
CHLOROMETHANE	V	G	50	4.3E+03	8.8E-03
2-CHLOROPHENOL	V	L	129	2.5E+00	1.1E-05
DIBROMOCHLOROMETHANE	V	S	208	5.5E+00	7.8E-04
1, 2-DIBROMOETHANE	V	S	188	1.1E+01	6.6E-04
1, 2-DICHLOROBENZENE	V	L	147	1.4E+00	1.9E-03
1, 3-DICHLOROBENZENE	V	L	147	2.2E+00	1.9E-03
1, 4-DICHLOROBENZENE	V	S	147	1.7E+00	2.4E-03
1, 1-DICHLOROETHANE	V	L	99	2.3E+02	5.6E-03
1, 2-DICHLOROETHANE	V	L	99	7.9E+01	1.2E-03
1, 1-DICHLOROETHYLENE	V	L	97	6.0E+02	2.7E-02
Cis 1,2-DICHLOROETHYLENE	V	L	97	2.0E+02	4.1E-03
Trans 1,2-DICHLOROETHYLENE	V	L	97	3.3E+02	9.3E-03
1, 2-DICHLOROPROPANE	V	L	113	5.3E+01	2.9E-03
1, 3-DICHLOROPROPENE	V	L	111	3.4E+01	3.7E-03
1, 4-DIOXANE	V	L	88	3.8E+01	4.9E-06
ETHANOL	V	L	46	5.9E+01	6.3E-06
ETHYLBENZENE	V	L	106	9.6E+00	7.8E-03
METHYL ETHYL KETONE	V	L	72	9.1E+01	5.6E-05
METHYL ISOBUTYL KETONE	V	L	100	2.0E+01	1.4E-04
METHYL TERT BUTYL ETHER	V	L	88	2.5E+02	5.9E-04
METHYLENE CHLORIDE	V	L	85	4.4E+02	3.2E-03
STYRENE	V	L	104	6.4E+00	2.7E-03
tert-BUTYL ALCOHOL	V	L	74	4.1E+01	1.2E-05
1,1,1,2- TETRACHLOROETHANE	V	L	168	4.6E+00	2.4E-03
1,1,2,2- TETRACHLOROETHANE	V	L	168	4.6E+00	3.7E-04
TETRACHLOROETHYLENE	V	L	166	1.9E+01	1.8E-02
TOLUENE	V	L	92	2.8E+01	6.6E-03
TPH (gasolines)	V	L	108	6.8E+02	7.2E-04
1,1,1- TRICHLOROETHANE	V	L	133	1.2E+02	1.7E-02
1,1,2- TRICHLOROETHANE	V	L	133	2.3E+01	8.3E-04
TRICHLOROETHYLENE	V	L	131	6.9E+01	9.8E-03
1,2,3-TRICHLOROPROPANE	V	L	147	3.7E+00	3.4E-04
1,2,3-TRICHLOROPROPENE	V	L	145	3.7E+00	2.8E-02
VINYL CHLORIDE	V	G	63	3.0E+03	2.7E-02
XYLENES	V	L	106	8.0E+00	7.1E-03

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Table 2: CHEMICAL PARAMETER	[1]PhysicalState		Molecular Weight	[2]Vapor Pressure mm Hg (25C)	Henry's Law Constant (H) (atm-m3/mol)
[4]Semi-Volatile or Otherwise Semi-Stable Chemicals [6,7]**Subsample** MI Bulk Sample at Laboratory Upon Receipt **Without Drying**					
1, 1-BIPHENYL	*SV	S	154	8.9E-03	3.2E-04
BIS(2-CHLOROISOPROPYL)ETHER	*SV	L	171	8.5E-01	1.1E-04
CYANIDE (sodium)	*SV	S	27	1.0E+00	-
DALAPON	SV	L	143	1.9E-01	9.0E-08
1,2-DIBROMO-3-CHLOROPROPANE	*SV	L	236	5.8E-01	1.5E-04
[8]2,4-EDICHLOROPHENOL	NV	S	163	9.0E-02	2.2E-06
2, 4-DIMETHYLPHENOL	SV	S	122	1.0E-01	9.5E-07
[8]GLYPHOSATE	NV	S	169	9.8E-08	4.1E-19
HEXACHLOROBUTADIENE	SV	S	261	2.2E-01	1.0E-02
HEXACHLOROETHANE	SV	S	237	4.0E-01	3.9E-03
ISOPHORONE	SV	L	138	4.4E-01	6.6E-06
[9]MERCURY	*SV	L	201	2.0E-03	-
METHYL MERCURY	SV	S	216	-	-
NITROBENZENE	*SV	L	123	2.5E-01	2.4E-05
NITROGLYCERIN	SV	L	227	2.0E-04	9.8E-08
4-NITROTOLUENE	SV	S	137	1.6E-01	5.6E-06
3-NITROTOLUENE	*SV	S	137	1.9E-01	1.2E-05
2-NITROTOLUENE	*SV	S	137	2.1E-01	2.4E-05
[10]PAHs (varies, see Table 2)	*SV	S	---	---	---
PHENOL	SV	S	94	3.5E-01	3.4E-07
PROPICONAZOLE	SV	L	342	1.0E-06	4.1E-09
[11]TPH (middle distillates)	*SV	L	170	2 to 26	7.2E-04
1,2,4-TRICHLOROBENZENE	*SV	S	181	4.6E-01	1.4E-03

Table 3: CHEMICAL PARAMETER	[1]PhysicalState		Molecular Weight	[2]Vapor Pressure mm Hg (25C)	Henry's Law Constant (H) (atm-m3/mol)
[12]Metals (presumed stable but depends on target species) **Dry and Sieve** MI Samples for Laboratory Subsampling					
ANTIMONY	NV	S	122	-	-
ARSENIC	NV	S	75	-	-
BARIUM	NV	S	137	-	-
BERYLLIUM	NV	S	9	-	-
BORON	NV	S	14	-	-
CADMIUM	NV	S	112	-	-
CHROMIUM (Total)	NV	S	52	-	-
CHROMIUM III	NV	S	52	-	-
CHROMIUM VI	NV	S	52	-	-
COBALT	NV	S	59	-	-
COPPER	NV	S	64	-	-
LEAD	NV	S	207	-	-
MOLYBDENUM	NV	S	96	-	-
NICKEL	NV	S	59	-	-
SELENIUM	NV	S	81	-	-
SILVER	NV	S	108	-	-
THALLIUM	NV	S	204	-	-
VANADIUM	NV	S	51	-	-

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ZINC	NV	S	67	-	-

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Table 4: CHEMICAL PARAMETER	[1]Physical State		Molecular Weight	[2]Vapor Pressure mm Hg (25C)	Henry's Law Constant (H) (atm-m3/mol)
[5]Non-Volatile or Otherwise Stable Chemicals **Dry and Sieve** MI Samples for Laboratory Subsampling					
ALDRIN	NV	S	365	1.2E-04	4.4E-05
AMETRYN	NV	S	227	2.7E-06	2.4E-09
4,6- AMINO,2- DINITROTOLUENE	NV	S	197	-	1.6E-10
2,6-AMINO,4- DINITROTOLUENE	NV	S	197	-	1.6E-10
ATRAZINE	NV	S	216	2.9E-07	2.34E-09
BIS(2-ETHYLHEXYL)PHTHALATE	NV	S	391	1.4E-07	2.7E-07
CHLORDANE (TECHNICAL)	NV	S	410	9.8E-06	4.9E-05
CHLOROANILINE, p-	NV	S	128	7.1E-02	1.1E-06
CYCLO-1,3,5-TRIMETHYLENE-2,4,6-TRINITRAMINE (RDX)	NV	S	222	4.1E-09	6.3E-08
3,3-DICHLOROBENZIDINE	NV	S	253	2.6E-07	5.1E-11
DICHLORODIPHENYLDICHLOROETHANE (DDD)	NV	S	320	1.4E-06	6.6E-06
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	NV	S	318	6.0E-06	4.1E-05
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	NV	S	354	1.6E-07	8.3E-06
DICHLOROPHENOXYACETIC ACID (2,4-D)	NV	S	221	8.3E-08	3.4E-08
DIELDRIN	NV	S	381	5.9E-06	1.0E-05
DIETHYLPHTHALATE	NV	S	222	2.1E-03	6.1E-07
DIMETHYLPHTHALATE	NV	S	194	3.1E-03	1.1E-07
1,3-DINITROBENZENE	NV	S	168	2.0E-04	4.9E-08
2,4-DINITROPHENOL	NV	S	184	3.9E-04	8.5E-08
2,4-DINITROTOLUENE (2,4-DNT)	NV	S	182	1.5E-04	5.4E-08
2,6-DINITROTOLUENE (2,6-DNT)	NV	S	182	5.7E-04	7.6E-07
DIOXINS (2,3,7,8 TCDD)	NV	S	356	1.5E-09	2.2E-06
DIURON	NV	S	233	6.9E-08	5.1E-10
ENDOSULFAN	NV	S	407	1.7E-07	6.6E-05
ENDRIN	NV	S	381	3.0E-06	6.3E-06
HEPTACHLOR	NV	S	373	4.0E-04	2.9E-04
HEPTACHLOR EPOXIDE	NV	S	389	2.0E-05	2.1E-05
HEXACHLOROBENZENE	NV	S	285	4.9E-05	1.7E-03
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	NV	S	291	4.2E-05	5.1E-06
HEXAZINONE	NV	S	252	2.3E-07	2.2E-12
METHOXYCHLOR	NV	S	346	4.2E-05	2.0E-07
PENTACHLOROPHENOL	NV	S	266	1.1E-04	2.4E-08
PENTAERYTHRITOLTETRANITRATE (PETN)	NV	S	316	1.4E-07	1.2E-11
PERCHLORATE	NV	S	117	---	---
POLYCHLORINATED BIPHENYLS (PCBs, e.g. Aroclor 1254)	NV	S	326	7.7E-05	2.9E-04
SIMAZINE	NV	S	202	2.2E-08	9.5E-10
TERBACIL	NV	S	217	4.7E-07	1.2E-10
2,3,4,6- TETRACHLOROPHENOL	NV	S	232	4.2E-03	8.8E-06
TETRANITRO-1,3,5,7-TETRAAZOCYCLOOCTANE (HMX)	NV	S	296	2.4E-08	8.5E-10
TOXAPHENE	NV	S	414	6.7E-06	6.1E-06
TPH (residual fuels)	NV	L/S	200+	---	---
2,4,5- TRICHLOROPHENOL	NV	S	198	---	1.6E-06
2,4,6- TRICHLOROPHENOL	NV	S	198	---	2.7E-06
2,4,5-TRICHLOROPHENOXYACETIC ACID (2,4,5-T)	NV	S	255	<7.5E-5	4.6E-08
2,4,5-TRICHLOROPHENOXYPROPIONIC ACID (2,4,5-TP)	NV	S	270	9.7E-07	9.0E-09
TRIFLURALIN	NV	S	335	4.6E-05	1.0E-04
1,3,5- TRINITROBENZENE	NV	S	213	6.4E-06	3.2E-09
2,4,6-TRINITROPHENYLMETHYLNITRAMINE (TETRYL)	NV	S	287	1.2E-07	2.7E-09
2,4,6-TRINITROTOLUENE (TNT)	NV	S	227	8.0E-06	4.6E-07

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APPENDIX A, Cont'd

Reference: Appendix 1, Table H in HEER office Environmental Hazard Evaluation guidance (HDOH 2008).

1. Physical state of chemical at ambient conditions (V - volatile, SV - Semi-Volatile, NV - nonvolatile, S - solid, L - liquid, G - gas). *SV: Meets criteria for potential consideration as a "volatile" chemical and inclusion in soil gas investigations for evaluation of potential vapor intrusion hazards (H >0.00001 and MW <200, see Footnote 3).

2. Vapor Pressures from National Library of Medicine TOXNET or ChemID databases.

3. Volatile Chemicals defined by vapor pressure >1 mm Hg at 25C. Collect soil gas samples in additional to soil samples at sites with significant releases of volatile chemicals for evaluation of vapor intrusion hazards.

4. Semi-Volatile and Semi-Stable Chemicals defined as: VP 0.1 to <1.0 OR (H >0.00001 and MW <200) OR Liquid at 25C OR Low Persistence OR Otherwise Semi-Stable. See also Footnote 1 (*SV). TPHd overlaps volatile and semi-volatile categories.

5. Non-Volatile Stable Chemicals defined as: VP <0.1 AND H <0.00001 (or H >0.00001 but MW >200) AND Solid at 25C OR Otherwise Stable.

6. Check with lab to determine feasibility of wet sieving sample to remove >2mm particles prior to subsampling.

7. Soil or sediment samples that consist entirely of <2mm material *do no*t require drying and sieving to address fundamental error concerns, although some degree of drying and sieving may be desirable by the laboratory for testing purposes.

8. Nonvolatile and published half-life less than thirty days or less. Refer to Table 9-A in Section 9 of the HEER TGM.

9. Mercury stability depends on targeted species. Assumed liquid and semi-stable as default.

10. PAHS - See Table 2.

11. TPH diesel may not be adequately extractable from soil or sediment when placed in methanol, subsamples should be collected and extracted at the laboratory (e.g., using methylene chloride).

12. The stability of a targeted metal depends in part on the species present and can be highly variable. Testing for a specific species of a metal may require alternate collection and preservation methods and should be evaluated on a site-by-site basis with respect to the site investigation objectives.

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APPENDIX B:

Recommendations for MIS field preservation or laboratory subsampling of samples to be tested for PAHs.

Table 1: [1]CHEMICAL PARAMETER	[2]PhysicalState		Molecular Weight	[3]Vapor Pressure mm Hg (25C)	Henry's Law Constant (H) (atm-m3/mol)
Semi-Volatile PAHs (H >0.00001 AND MW <200) [4]**Subsample** MI Bulk Sample at Laboratory Upon Receipt **Without Drying**					
ACENAPHTHENE	SV	S	154	2.2E-03	1.8E-04
ACENAPHTHYLENE	SV	S	152	6.7E-03	1.5E-03
ANTHRACENE	SV	S	178	6.6E-06	5.6E-05
FLUORENE	SV	S	166	3.2E-04	9.5E-05
METHYLNAPHTHALENE, 1-	SV	S	142	6.7E-02	5.1E-04
METHYLNAPHTHALENE, 2-	SV	S	142	5.5E-02	5.1E-04
[5]NAPHTHALENE	SV	S	128	8.5E-02	4.4E-04
PHENANTHRENE	SV	S	178	1.2E-04	3.9E-05
PYRENE	SV	S	202	4.5E-06	1.2E-05

Table 2: [1]CHEMICAL PARAMETER	[2]PhysicalState		Molecular Weight	[3]Vapor Pressure mm Hg (25C)	Henry's Law Constant (H) (atm-m3/mol)
Non-Volatile PAHs (H <0.00001 OR MW >200) [4]**Dry and Sieve** MI Samples for Laboratory Subsampling					
BENZO(a)ANTHRACENE	NV	S	228	5.0E-09	1.2E-05
BENZO(a)PYRENE	NV	S	252	5.5E-09	4.6E-07
BENZO(b)FLUORANTHENE	NV	S	252	5.0E-07	6.6E-07
BENZO(g,h,i)PERYLENE	NV	S	276	-	1.4E-07
BENZO(k)FLUORANTHENE	NV	S	252	9.7E-10	5.9E-07
CHRYSENE	NV	S	228	6.2E-09	5.1E-06
DIBENZO(a,h)ANTHTRACENE	NV	S	278	9.6E-10	1.2E-07
FLUORANTHENE	NV	S	202	9.2E-06	8.8E-06
INDENO(1,2,3-cd)PYRENE	NV	S	276	1.2E-10	3.4E-07

Reference: Appendix 1, Table H in HEER office Environmental Hazard Evaluation guidance (HDOH 2008).

1. PAHS - Eighteen targeted PAHs listed in Section 9 of the HEER TGM (HDOH 2009). Pyrene considered semi-volatile due to Henry's Law Constant >0.00001 even though MW marginally exceeds 200.

2. Physical state of chemical at ambient conditions (V - volatile, SV - Semi-Volatile, NV - nonvolatile, S - solid, L - liquid, G - gas).

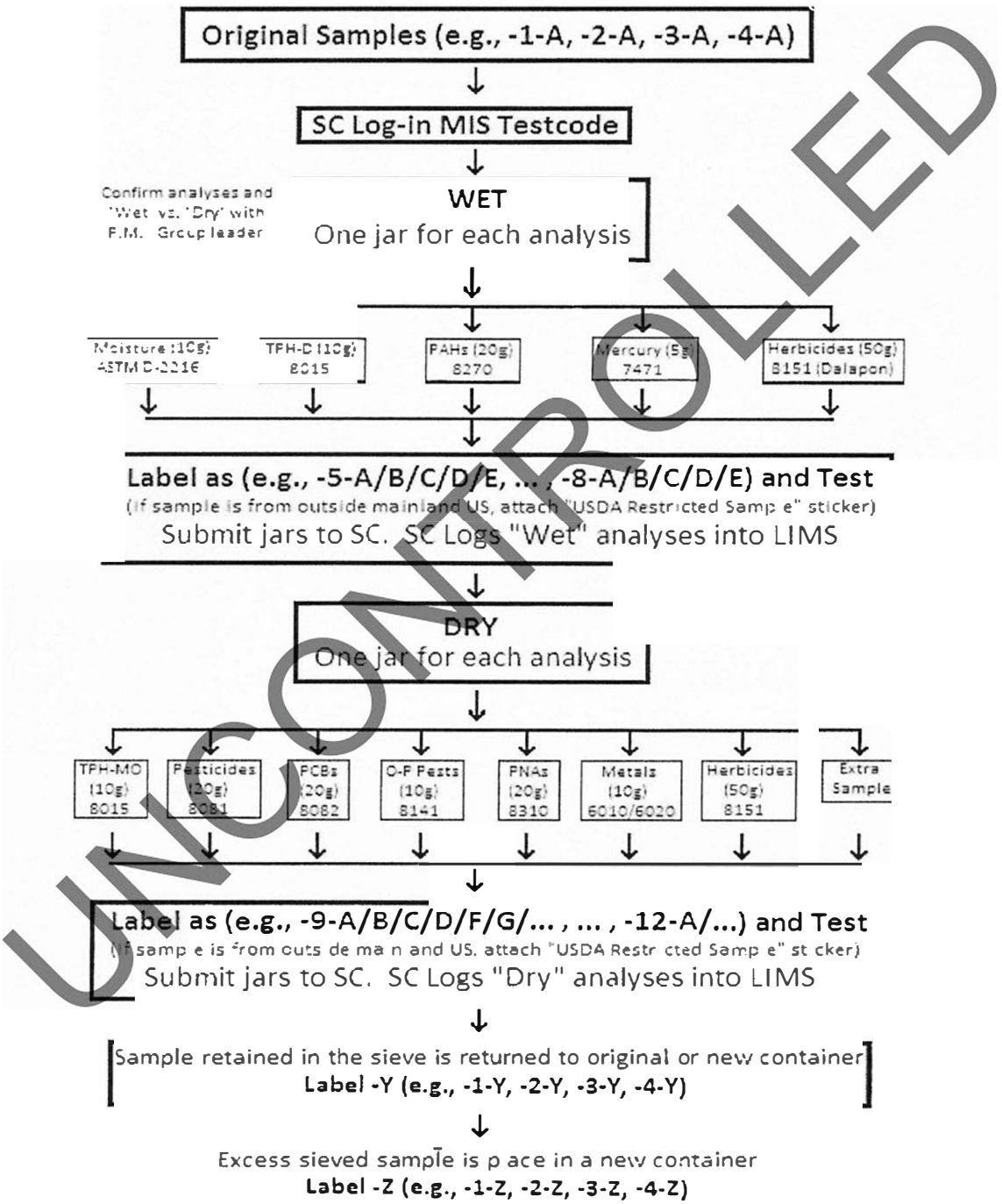
3. Vapor Pressures from National Library of Medicine TOXNET or ChemID databases.

4. If target PAHs include both semi-volatile *and* non-volatile PAHs then subsample upon receipt at lab without drying and test for full suite of PAHs. If only non-volatile PAHs are targeted then sieve and dry samples before testing

5. Include naphthalene as a "volatile" chemical of concern in soil gas investigations at sites with significant releases of petroleum fuels (see TGM Section 9). Other petroleum-related SVOCs do not need to be included in soil gas investigations due to minimal presence in fuels and focus on TPH (and/or specific carbon ranges), BTEX and naphthalene as the main risk drivers for vapor intrusion hazards. Inclusion of additional SVOCs may be required for former manufactured gas plants, however, on a case-by-case basis.

UNCONTROLLED

MIS Flowchart



UNCONTROLLED

EPA R9 Comments on Draft "Conceptual Site Characterization Plan"
April 25, 2023

Etiwanda PCB Cleanup Site - CAR000038158

A. Introduction

We reviewed the draft "Conceptual Site Characterization Plan, March 14, 2023" (Draft ISM Plan) that includes the "Proposed ISM Procedure." We have the below comments.

The Draft ISM Plan proposes sampling of concrete following the incremental sampling methodology (ISM) developed by the Interstate Technology and Regulatory Council (ITRC) to determine the PCB concentration in concrete at former Transformer Units 1 and 2. Based on the PCB concentration in concrete determined via the use of the ISM, Etiwanda plans to reuse, dispose onsite, and/or dispose at an offsite disposal facility concrete that has PCBs.

As we previously mentioned to Etiwanda, EPA's 2019 policy for the use of ISM at Toxic Substances Control Act (TSCA) PCB cleanup sites is applicable to soils. EPA can only approve the use of ISM at those sites under 40 CFR 761.61(c).

Regarding the use of ISM under 40 CFR 761.61(c) for characterization of PCBs in concrete at a TSCA PCB cleanup site, EPA will need to make a no unreasonable risk determination to support an approval of ISM under 40 CFR 761.61(c) for such concrete sampling. From a technical standpoint, we believe that soils sampling protocols in ITRC ISM-2 seem appropriate for evaluating PCBs in a concrete matrix using Region 1's Standard Operating Procedure for Sampling Porous Surface for PCBs (May 2011). We suggest using the systematic random increment design highlighted in this link from ITRC's ISM-2 guide to determine increment placement within each decision unit (DU).

B. EPA Comments

1. **Replicates/Triplicates**: The Decisions Units (DUs) should include replicates/triplicates. Triplicates should be used to verify uncertainties in the ISM design. Therefore, at a minimum, we recommend:
    - **a.** One triplicate for a likely low to no PCB concentration DU (based on draft plan, DU-8 and DU-9 appear to be good candidates)
    - **b.** One triplicate for a high PCB concentration DU (DU-5 seems ideal)
    - **c.** Triplicates for all 'boundary' DUs (DU-3, DU-4, DU-6, and DU-7 appear to be good candidates)

2. **DU Boundary Design.** The DU design narrative seems reasonable. However, the DU boundary design could be more closely aligned with the disposal decisions to be made:
    a. DU-3, DU-4 and DU-7 are large for making decisions about disposal, which the contractor acknowledges in that they propose splitting these into smaller DUs if they fail. Also, the design appears inconsistent with DU-5 and DU-6 approach. We suggest dividing DU-3, DU-4, and DU-7 into smaller DUs to include a buffer area, similar to the DU-5 and DU-6 approach.
    b. All DUs should be verified and modified with a walkthrough or survey of the concreate surface. During the walkthrough, cracks, slopes in the concrete, and stains should be noted, photographed; and the DU design should be adjusted.
    c. The plan should describe the rationale for the 10-foot buffer area. The buffer area should be consistent with the likely spill zone and verified with employees that have observed leaks and spills.

3. **Increment Design.** The plan should describe the rationale for using 30 increments to characterize PCBs in concrete. This design is consistent with ITRC's ISM-2 sampling protocol. However, as observed by several practitioners (such as Hawaii Department of Health), PCB-contaminant distribution is more heterogenous in soils than metals and recommend 75 increments or more. We recommend that:

a. If the consultant is proposing 30 increments based on scientific literature, they should cite the publication in the plan.
b. If no literature is available, the consultant should prove 30 increments can consistently meet the data quality objectives by performing a pilot test (also called demonstration of methods applicability). This pilot should be performed prior to site characterization implementation and should be targeted in an area of significant uncertainty (DU-6 seems ideal)

4. **DU Failure.** Under subsection 5d of the Proposed ISM Procedure, clarification is needed for the statement "Owner may elect to subdivide existing DUs into smaller areas and resample in accordance with above-listed procedure in order to limit the volume of materials to be disposed of offsite." We recommend:
    a. Outlining a procedure on how an area will be subdivided
    b. A regulatory approval process for the redesign

5. **Field and Laboratory Quality Control Samples.** During the March 17 meeting with Etiwanda, EPA mentioned among other things that Etiwanda needs to add to its plan field quality control (e.g., triplicates) and laboratory quality control samples (e.g., triplicates) for PCB analysis. The plan should also include the statistics to evaluate the results of field and laboratory triplicates.

Etiwanda – Toxic Substances Control Act, PCB Cleanup Site ID CATSCA111184 / CAR000038158
Draft Conceptual ISM Plan for Polychlorinated Biphenyls in Concrete, Etiwanda

EPA Comments (Carmen Santos EPA R9) - May 25, 2023

A. Introduction

EPA appreciates the changes the Responsible Party (RP) made to the draft conceptual ISM plan for polychlorinated biphenyls (PCBs) in concrete (Draft Concrete ISM Plan) at the site. Below are our comments on the latest version of the Draft Concrete ISM Plan. Attached to these comments are the revised figures the RP shared with EPA and California Department of Toxic Substances Control in May 2023 and the RP's May 11, 2023, with additional updates and justifications for decision unit (DU) designations. The figures capture the latest DU designations for the site.

B. Comments

1. **DU designations.** As revised, EPA does not have comments on the latest DU designations.

2. **Number of increments for each DU.** We have considered Roux's memo dated May 11, 2023. That memo summarizes the approach the RP followed to calculate the number of increments using VSP and does not include the actual VSP inputs (inclusive of assumptions used) and outputs. We appreciate receiving the actual VSP inputs and outputs for review.

3. **Relative standard deviation (RSD) for evaluation of field DU triplicates.**[1] The RP proposes a 50% RSD to evaluate triplicate data sets for DUs. Given the heterogeneous distribution of PCBs in soil and that we are applying such contaminant behavior to concrete, we prefer an RSD that is equal to or below 35%. That preference also stems from the fact that for PCBs in soils we collect a minimum of 75 increments.

   However, we could be willing to consider a less than 50% RSD with the below conditions.

   a. The RP does a walkthrough of each DU and notes areas that could be problematic such as cracks and stains. The RP subdivides the DU where it observed those conditions and documents those changes in a memo for EPA approval. The RP collects triplicates from either portion of the subdivided DU.
   b. The RP normalizes the number of increments across all boundary and non-boundary DUs to 46 increments. We believe that approach will make field implementation easier. We also believe will not significantly change the uncertainty to the RSD calculations for triplicate sets.
   c. The RP moves one triplicate from a boundary DU to a non-boundary DU. The RP calculates the RSD for the triplicates from the non-boundary DU.
   d. The RP considers if any DU fails the RSD and any triplicate from that same DU is above 25 mg/kg PCBs, the RP removes the entire DU for offsite disposal.

4. **Relative standard deviation (RSD) for laboratory replicates.** We prefer a 35% RSD for the statistical evaluation of the laboratory replicates. We recommend the RP consider laboratory replicates for two boundary DUs and one non-boundary DU.

5. **Eurofins Calscience, LLC., Standard Operating Procedure for Multi-Incremental Sampling.** Regarding section 5.4.4 of the SOP, the laboratory must report the PCB results for <u>each</u> sample on a dry weight basis. The federal PCB regulations at 40 CFR Part 761 require the reporting of PCB analytical results for solid samples on a dry weight basis. The laboratory must extract the samples following the EPA Method 3540C (manual Soxhlet extraction method). That method includes the use of a 1-mm sieve size. That method also includes the drying

[1] The Hawaii Department of Health MIS Guidance has three sets of RSDs presented as ranges: (1) RSD less than or equal to 35%, (2) RSD above 35% but less than 50%, and (3) above 50% but less than 100%. With reference to the second range the MIS Guidance says: "An RSD >35% but ≤50% indicates less reliable but still acceptable data for decision making, given the typical safety factor built into risk-based action levels."

procedure for the sample aliquot the laboratory will use to calculate percent moisture. Refer to Section 7 of EPA Method 3540C.

The laboratory must analyze the sample extracts following EPA Method 8082 or 8082A. Please indicate the detection and quantitation limits the laboratory will use for the analysis of PCBs as Aroclors. Such limits must be at least 50% lower than the action level of 0.58 mg/kg total PCBs to allow comparison of the PCB analytical results (reported as dry weight) to the action level.

The RP should include the above notes in the chain-of-custody form accompanying the samples to the laboratory that will process, extract, and analyze the samples.

From:	Jess Hinchliffe
To:	Santos, Carmen
Cc:	Rounds, Steven@DTSC; Jeng, Cy@DTSC; Kourda, Dina@DTSC; Mark Foley; Deepa Gandhi PE (dgandhi@ekiconsult.com); Andes, Pam; Armann, Steve
Subject:	RE: Etiwanda - ISM plan presentations on May 3 and May 5, 2023 (CATSCA111184 / CAR000038158)
Date:	Thursday, May 11, 2023 1:12:39 PM
Attachments:	BTC III - Etiwanda - Statistical Rationale for ISM Sampling_Roux FInal_051123.pdf Revised Figure 1_Draft 2023-05-11.pdf

Hi Carmen,

Please see below and attached for additional information requested regarding the proposed ISM program to characterize remaining concrete surfaces at the Site.

Revised DU Extents and DU-6 Rationale

Following discussion with EPA and DTSC, we understand that EPA and DTSC prefer a consistent approach and rationale for decision unit ("DU") layout, which in earlier drafts included overlap between DU boundaries and previously characterized concrete, results for which were reported in the Self-Implementing PCB Cleanup and Disposal Notification Plan ("SICP") for the Site (Roux Associates, Inc., revised November 28, 2022).

Accordingly, the limits of boundary DUs (DU-3A, DU-4, DU-6, and DU-7A) have been revised to exclude previously characterized concrete. The proposed ISM characterization program scope will include concrete and asphalt surfaces outside of the areas that have been previously or planned to be characterized using discrete samples. The areas included in the ISM program scope are shown in the attached figure outlined in light blue.

Note that the former transformer pad "Unit-1-SST" (designated as DU-5) will be characterized with discrete samples and is not included in the ISM program scope. As a result of these changes, the boundary DUs now border previously characterized or to be characterized areas using discrete samples, for a more consistent approach.

The DU-6 shape and location (shaded light blue in the attached figure) were established based upon a reasonable work area around the former equipment that was known or suspected to have contained PCBs. As previously discussed, no spill records or other records are known to exist that are indicative of other potential concerns.

Determination of Number of Increments and Need for a Pilot Test

EPA's April 25, 2023, comments included a recommendation to perform a pilot test, targeted in an area of significant uncertainty (such as DU-6), barring other supporting rationale for the previously-proposed number of increments (30). We have not proposed a pilot test because the ISM program has been redesigned to better assess heterogeneity and appropriateness of the data, as described below. These changes will adequately address uncertainty without necessitating a pilot test.

In response to EPA's comment, additional rationale was developed for the number of increments and in the process, the proposed number of increments has been increased from 30 to 42 (minimum) samples, based on a statistical evaluation conducted with Site-specific data, using VSP software. A description of the statistical evaluation is attached. The recommended minimum number of increments per DU was determined to be 42; the actual proposed number of increments per DU will vary from 42 to 46, depending on DU geometry. DU areas, as currently proposed, range from approximately 1,420 to 3,470 square feet (SF), and the VSP-generated increment layout results in increment sample grids ranging from approximately 6 to 9 feet between sample points.

Further, as discussed with EPA and DTSC, field triplicate samples will be collected from all boundary DUs (DU-3A, DU-4, DU-6, and DU-7A), as well as one additional DU (DU-8), and two lab replicates will be included in the program. As such, a minimum of 126 increments (42 x 3) will be collected from the 1,420 SF of DU-6, which is approximately 1 increment per 11 SF. See screenshot below of an example layout of increment samples and replicates for DU-6 – each color (pink, orange, green) represents an increment sample for each of the three replicate ISM samples proposed for that DU. Replicate data will provide additional information about reproducibility of the data and degree of heterogeneity at the Site outside of those areas previously characterized.

Moreover, omitting the pilot test step will streamline the program and allow implementation of the ISM program sooner, as suggested by DTSC, given the heat and safety concerns associated with field work at the Site in the upcoming summer months.

MEMORANDUM

Date: May 11, 2023

To: Jessica Hinchliffe – Senior Associate, BTC III Etiwanda Commerce Center LP

From: Matthew Nelson, PE – Roux
Travis Clow, PhD – Roux
Mauricio H. Escobar, PG - Roux

Subject: **Statistical Rationale of Incremental Sampling Methodology for Collection of Samples for Polychlorinated Biphenyl (PCB) Analysis**

Roux has prepared this memorandum providing the statistical rationale for the incremental sampling plan to be conducted as part of the Site Characterization Plan (the Plan) for concrete ground surfaces at former Generating Units 1 and 2 (Site) of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California. Incremental Sampling Methodology (ISM) is used to evaluate the mean contaminant concentration in environmental media (i.e., soil, sediment, concrete) using statistically supported techniques. The Interstate Technology Regulatory Council (ITRC) developed a guidance document describing ISM and how it is used; Incremental Sampling Methodology Update, October 2020 (ITRC, 2020). The ITRC ISM guidance was followed when establishing the rationale described below.

Approach

When sampling an area using ISM, the area must first be broken up into decision units (DUs) based on either known or assumed source areas, or on human and/or ecological receptors. DUs identified in the Plan were selected by evaluating historical uses at the Site. Once the DUs are established, the number and placement of increments (single points of collection that are combined to create an incremental sample for each DU) are evaluated for each DU. The ITRC ISM guidance recommends a range of 30 to 100 increments per DU as well as the use of Visual Sample Plan (VSP) software to best determine the appropriate minimum increment size for a given Site (ITRC, 2020). VSP version 7.19 (VSP Development Team, 2023) software was used to establish a statistical rationale for the number of increments necessary to accurately characterize each DU using an incremental sampling plan. The implicit understanding in evaluating increments for each DU was that the number of increments will be greater than 30. PCB data collected from the concrete ground surfaces at the Site were used as an input into VSP, along with an input of a greater than 95% confidence level that incremental sampling results will accurately reflect current conditions. The Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3 (DTSC, 2022) commercial/industrial soil screening level (SL) for total PCBs of 0.58 milligrams per kilogram (mg/kg) was also used as an action level input into VSP.

VSP provides multiple approaches for determining an appropriate sampling plan for a given DU. Two approaches to achieve data quality objectives (DQOs) stated in the Plan were considered for this incremental sampling plan: (1) Estimate the Mean using Stratified Sampling and (2) Compare Average to a Fixed Threshold. The VSP User Guide describes the first option, Estimate the Mean using Stratified Sampling, as being best suited for situations where there is an assumption of homogeneous contamination conditions in DU's and a fixed budget that needs to be met, rather than a specific cleanup goal (VSP, 2014). In this case, neither of these assumptions best reflect the Site and the DQOs. The second option, Compare Average to a Reference Average, allows for the comparison of the true average concentration of a DU (if one were to sample 100% of the DU) against a fixed threshold concentration (i.e., 0.58 mg/kg) to determine the number of increments needed to obtain a sufficient spatial density within a DU while simultaneously incorporating previously gathered data. The VSP User Guide states that comparing the average to a fixed threshold is the most common issue confronted in environmental remediation (VSP, 2014). The Compare Average to a Fixed Threshold approach was chosen for all DUs

at the Site, except for DU-5, because it allows for the most information to be utilized in determining an appropriate sampling plan. DU-5 is the location of a former transformer pad and the discrete sampling approach adopted for the other former transformer pads at the Site as described in the Self-Implementing PCB Cleanup and Disposal Notification Plan will be used for this DU (Roux, 2022).

Inputs and Assumptions

The baseline assumption used in VSP with the Compare Average to a Fixed Threshold sampling plan is that the data is normally distributed (i.e., follows a bell curve). This sampling plan requires a null hypothesis, which allows for a confidence level to be specified to ensure that the anticipated results accurately reflect real conditions at the Site. The null hypothesis in this sampling plan is that PCB concentrations are below the DTSC SL (0.58 mg/kg) in all DUs until proven otherwise. There are two possibilities that can lead to erroneous results: (1) falsely rejecting the null hypothesis, meaning that the sampling plan results indicate that the Site is not clean, when it is clean, or (2) falsely accepting the null hypothesis, meaning that the sampling results indicate that Site is clean, when it is not clean. A confidence level of greater than 95% is specified to ensure that there is less than a 5% chance of incorrectly characterizing the Site by either falsely rejecting or falsely accepting the null hypothesis that the Site is clean if the true average concentration in the DU is roughly 15% higher than the DTSC SL. A 95% confidence level is the most commonly implemented confidence level and is routinely used across virtually all branches of science (Dekking et al., 2005). A 95% confidence level is also used in an example of the Compare Average to a Fixed Threshold sampling plan in the VSP User Guide (VSP, 2014). Previously gathered data (80 samples) from clean (i.e., <0.58 mg/kg) concrete samples were used to calculate the standard deviation observed in real data due to sampling and analytical variability. The calculated standard deviation of 0.15 mg/kg was also input into the sampling plan as an expected standard deviation based on real world data, which influences the number of increments recommended by VSP.

Results

Using a greater than 95% confidence level, PCB SL of 0.58 mg/kg, and an estimated standard deviation of 0.15 mg/kg, VSP indicated that the minimum number of increments in a DU should be 42. Increment placement within each DU was determined via systematic grid sampling (with fixed spacing) using a random start across the DU (also referred to as systematic random sampling). In other words, there is equal spacing between increments in each DU, but the starting location of the increment grid is randomly generated for each DU. This results in different increment layouts for each DU. Due to the geometry of the DUs, many DUs have more than the minimum of 42 increments (e.g., DU-1 has 45 increments).

References

California Department of Toxic Substances Control Office of Human and Ecological Risk, 2022. Human Health Risk Assessment Note 3 – DTSC-Modified Screening Levels, May.

Dekking, F.M., Kraaikamp, C., Lopuhaa, H.P., and Meester, L.E., 2005. A Modern Introduction to Probability and Statistics. Springer Texts in Statistics. DOI: 1007/1-84628-168-7.

Interstate Technology Regulatory Council (ITRC), 2020. Technical/Regulatory Guidance: Incremental Sampling Methodology (ISM) Update, October.

Roux Associates, Inc., 2022. Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, November 28.

Visual Sample Plan (VSP) Development Team, 2014. Visual Sample Plan Version 7.0 User's Guide. March.

VSP Development Team, 2023. Visual Sample Plan: A Tool for Design and Analysis of Environmental Sampling. Version 7.19. Pacific Northwest National Laboratory. Richland, WA. https://www.pnnl.gov/projects/visual-sample-plan.

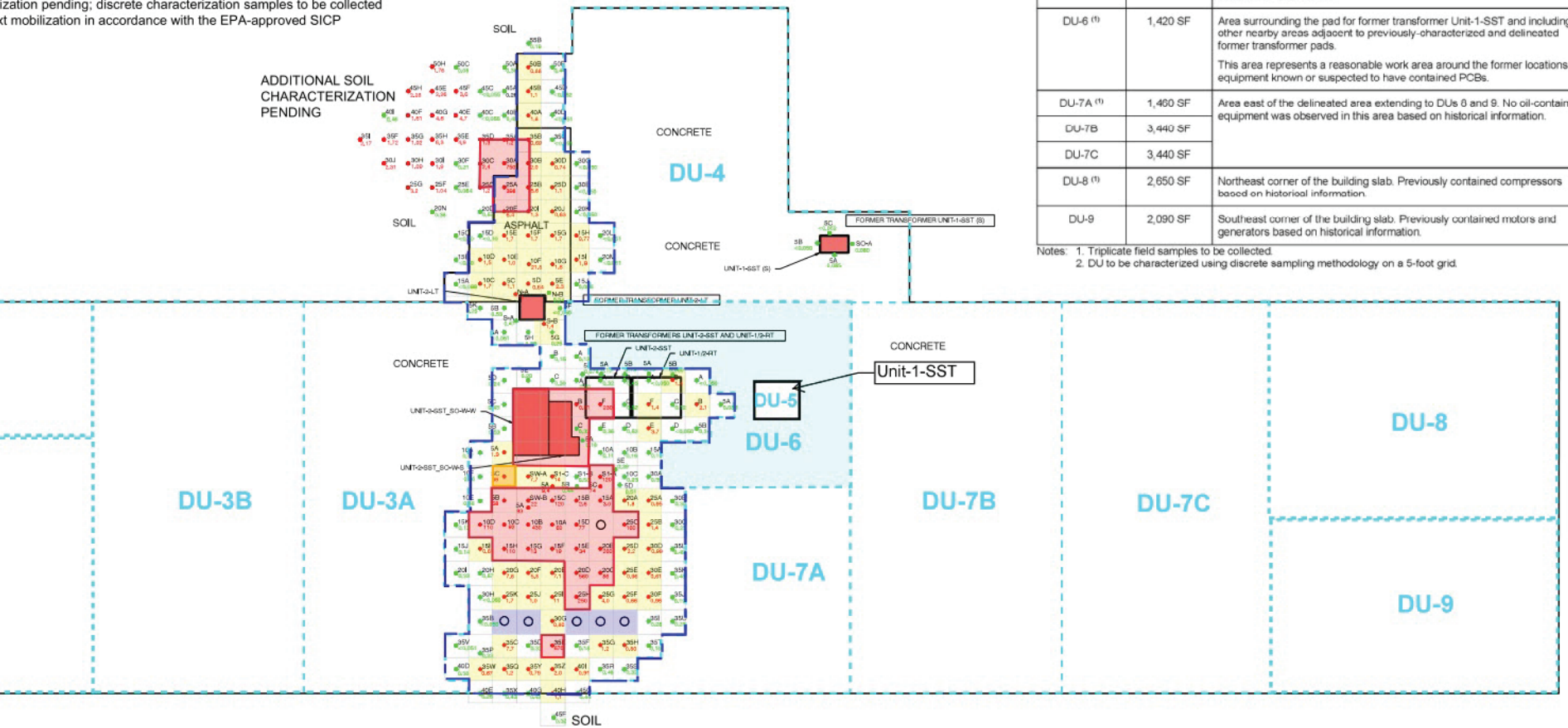
previously-characterized concrete and asphalt
l soil characterization pending)

y characterized concrete, asphalt, and soil to be disposed of at a TSCA
hazardous waste disposal facility, as previously approved by EPA

y characterized concrete/asphalt to be disposed of at a nonhazardous
posal facility (total PCBs > 25 mg/kg and < 50 mg/kg)

y characterized concrete/asphalt to be capped onsite
d; total PCBs > 0.58 mg/kg and ≤ 25 mg/kg)

ization pending; discrete characterization samples to be collected
xt mobilization in accordance with the EPA-approved SICP



DU-2	2,910 SF	Southwest portion of the building slab. Previously contained hydrogen seal oil supply unit; main generator exciter sets; auxiliary generator exciter set, and motors based on historical information.
DU-3A (1)	2,700 SF	Area west of the delineated area extending to DUs 1 and 2. No oil-containing equipment was observed in this area based on historical information.
DU-3B	3,470 SF	
DU-4 (1)	2,970 SF	Area to the north of former transformers Unit-2-SST and Unit-1/2-RT and the east of the delineated area. Previously contained motor and generator based on historical information. This area surrounds former transformer Unit-1-SST(s) but does not include it as this transformer pad was previously characterized and delineated, and will be disposed of offsite under Phase 1 of the approved SICP.
DU-5 (2)	90 SF	Pad for former transformer Unit-1-SST located to the east of former transformer Unit-1/2-RT.
DU-6 (1)	1,420 SF	Area surrounding the pad for former transformer Unit-1-SST and including other nearby areas adjacent to previously-characterized and delineated former transformer pads. This area represents a reasonable work area around the former locations of equipment known or suspected to have contained PCBs.
DU-7A (1)	1,460 SF	Area east of the delineated area extending to DUs 8 and 9. No oil-containing equipment was observed in this area based on historical information.
DU-7B	3,440 SF	
DU-7C	3,440 SF	
DU-8 (1)	2,650 SF	Northeast corner of the building slab. Previously contained compressors based on historical information.
DU-9	2,090 SF	Southeast corner of the building slab. Previously contained motors and generators based on historical information.

Notes: 1. Triplicate field samples to be collected.
2. DU to be characterized using discrete sampling methodology on a 5-foot grid.

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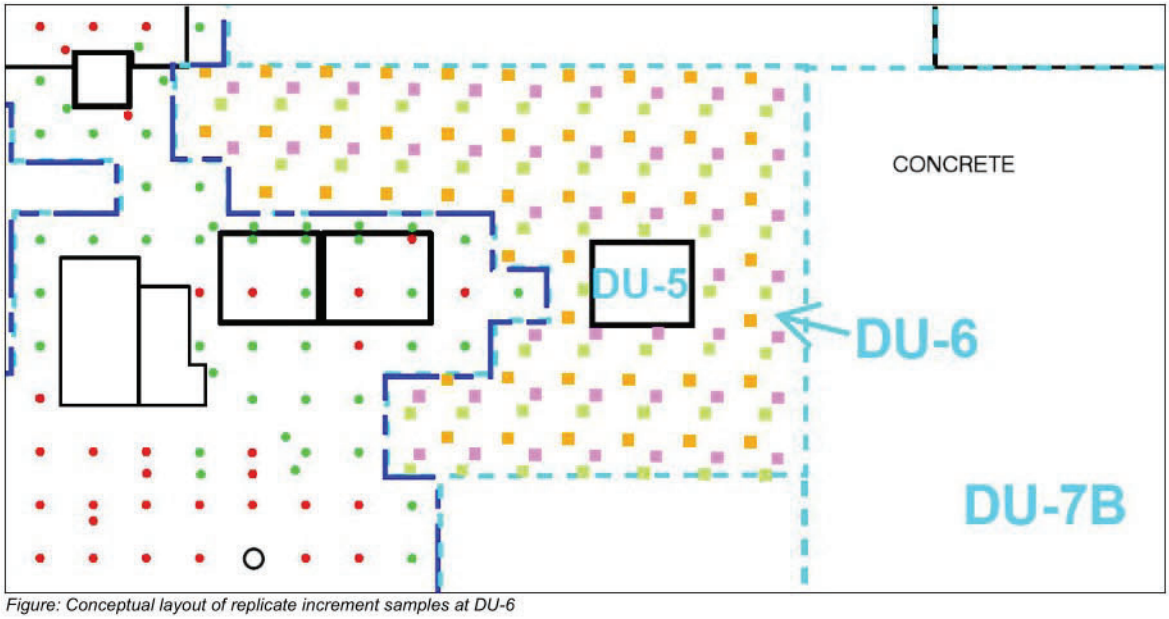


Figure: Conceptual layout of replicate increment samples at DU-6

Please let me know if you have any additional questions. I appreciate your time and input!

Best,
Jess

Jess Hinchliffe (*she/her/hers*)
Ares Management
Senior Associate
Real Estate

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From: Santos, Carmen <Santos.Carmen@epa.gov>
Sent: Monday, May 8, 2023 3:18 PM
To: Jess Hinchliffe <jhinchliffe@aresmgmt.com>
Cc: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>; Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Mark Foley <mfoley@aresmgmt.com>; Deepa Gandhi PE (dgandhi@ekiconsult.com) <dgandhi@ekiconsult.com>
Subject: [ext] RE: Etiwanda - ISM plan presentations on May 3 and May 5, 2023 (CATSCA111184 / CAR000038158)

Jess,

Thank you for the updated ISM draft plan for the Etiwanda PCB cleanup site. I appreciate you sending that updated presentation as well as the time that you and your team spent meeting with the EPA-DTSC team. I appreciate all the good dialogue we had and continue to have.

I wanted to better understand why Etiwanda appears not to want to conduct the pilot study recommended in the comments that I sent. Please help me understand. Also, I would appreciate receiving the VSP calculations (including assumptions) of the number of increments. Please let me know if you have any questions. This week, I will review all the information we have to date regarding the ISM plan and very much appreciate your response to this message. Thank you.

I believe that our meetings in the last two weeks regarding the ISM plan have been productive. I remain hopeful for an ISM plan that meets the needs of all involved. Thank you.

Respectfully,
Carmen D. Santos
PCB Coordinator
santos.carmen@epa.gov

415.972.3360

U.S. EPA Region 9
Land, Chemicals, and Redevelopment Division (LND-4-1)
75 Hawthorne Street
San Francisco, CA 94105

Please add R9LandSubmit@epa.gov to your email when writing or submitting information to EPA R9 that is not confidential business information (CBI).

"A creative man is motivated by the desire to achieve, not by the desire to beat others." A. Rand"

From: Jess Hinchliffe <jhinchliffe@aresmgmt.com>
Sent: Friday, May 5, 2023 12:36 PM
To: Santos, Carmen <Santos.Carmen@epa.gov>
Cc: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>; Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Mark Foley <mfoley@aresmgmt.com>; Deepa Gandhi PE (dgandhi@ekiconsult.com) <dgandhi@ekiconsult.com>
Subject: Etiwanda - ISM plan presentations on May 3 and May 5, 2023 (CATSCA111184 / CAR000038158)

Hi Carmen,

Thanks again for your time today to further discuss the proposed ISM plan to characterize concrete at the Site. I've attached copies of both the May 3 and May 5 presentations so that everyone has a copy for review and further consideration. As discussed, we'll pull together a figure and narrative regarding DU-6, and anticipate sending it to EPA and DTSC early next week.

In the meantime, please let us know if you have any questions or need any additional information.

Best,
Jess

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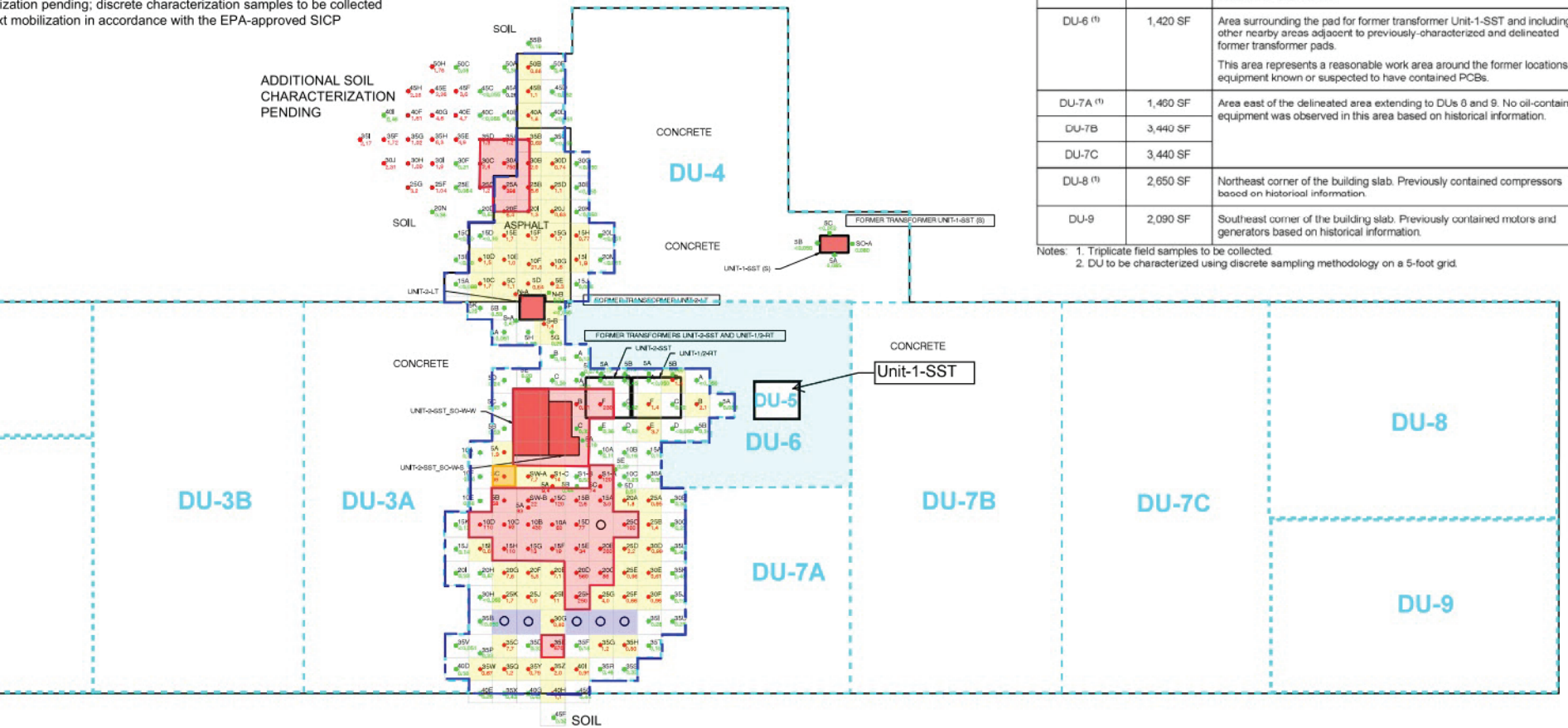
previously-characterized concrete and asphalt
l soil characterization pending)

y characterized concrete, asphalt, and soil to be disposed of at a TSCA
hazardous waste disposal facility, as previously approved by EPA

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d; total PCBs > 0.58 mg/kg and ≤ 25 mg/kg)

ization pending; discrete characterization samples to be collected
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DU-3B	3,470 SF	
DU-4 (1)	2,970 SF	Area to the north of former transformers Unit-2-SST and Unit-1/2-RT and the east of the delineated area. Previously contained motor and generator based on historical information. This area surrounds former transformer Unit-1-SST(s) but does not include it as this transformer pad was previously characterized and delineated, and will be disposed of offsite under Phase 1 of the approved SICP.
DU-5 (2)	90 SF	Pad for former transformer Unit-1-SST located to the east of former transformer Unit-1/2-RT.
DU-6 (1)	1,420 SF	Area surrounding the pad for former transformer Unit-1-SST and including other nearby areas adjacent to previously-characterized and delineated former transformer pads. This area represents a reasonable work area around the former locations of equipment known or suspected to have contained PCBs.
DU-7A (1)	1,460 SF	Area east of the delineated area extending to DUs 8 and 9. No oil-containing equipment was observed in this area based on historical information.
DU-7B	3,440 SF	
DU-7C	3,440 SF	
DU-8 (1)	2,650 SF	Northeast corner of the building slab. Previously contained compressors based on historical information.
DU-9	2,090 SF	Southeast corner of the building slab. Previously contained motors and generators based on historical information.

Notes: 1. Triplicate field samples to be collected.
2. DU to be characterized using discrete sampling methodology on a 5-foot grid.

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Title: PROP

EPA Region 9 Comments on Entire Document (June 27 to 29, 2023)

June 8, 2023

Carmen Santos
PCB Coordinator
U.S. EPA Region 9
Land, Chemicals, and Redevelopment Division (LND-4-1)
75 Hawthorne Street
San Francisco, CA 94105

Subject: **Site Characterization Plan, BTC III Etiwanda Commerce Center**
PCB Site ID: CATSCA111184 / CAR000038158

Dear Ms. Santos:

Please find enclosed the Site Characterization Plan ("Plan") for concrete ground surfaces at former Generating Units 1 and 2 ("Site") of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California. The Environmental Protection Agency (EPA) comments received on April 25, May 25, and June 1, 2023, have been addressed in the enclosed Plan, as summarized in the table below.

EPA Comments (April 25, 2023)		**Response**	**Section of Plan**
1.	Replicates/Triplicates	Five field triplicates have been added to the Plan as recommended by EPA, including for potential low concentration, potential high concentration, and boundary DUs.	Section 3.3
2.	DU Boundary Design		
	a. Reduce size of larger DUs	DU-3 and DU-7 have been subdivided into smaller DUs; the configuration of DU-6 has been revised in consultation with DTSC and EPA such that the area of DU-4 has also been reduced.	Section 2.1 (Table 1) Figure 1
	b. DU walkthrough and photo documentation	EPA's recommendation has been incorporated into the Plan.	Section 3.1
	c. DU Boundary Design: Buffer area rationale	A rationale for the configuration of DU-6 has been incorporated into the Plan.	Section 2.1 (Table 1)
3.	Increment Design	Attachment 1 of the Plan provides a statistical rationale supporting the proposed ISM approach. A minimum of 42 increments will be collected for each DU.	Attachment 1
4.	DU Failure	Following incorporation of EPA's comment 2a by subdividing larger DUs, Owner does not anticipate a future need to subdivide existing DUs.	N/A
5.	Field and laboratory QC samples Evaluation of field and laboratory triplicates	EPA's recommendations have been incorporated into the Plan.	Section 3.5 Section 4.1
EPA Comments (May 25, 2023)		**Response**	**Section of Plan**
1.	DU designations – no comments	The Plan reflects DU designations previously discussed with EPA and DTSC, with no further modifications.	Figure 1

2.	Number of increments for each DU	Attachment 1 of the Plan has been updated to include the VSP inputs and outputs.	Attachment 1
3.	Relative standard deviation (RSD) for evaluation of field DU triplicates	EPA's recommendation has been incorporated into the Plan, such that an RSD ≤ 35% will indicate that the data is usable for its intended purpose, and an RSD > 35% will trigger further evaluation in consultation with EPA and DTSC.	Section 4.1
4.	Relative standard deviation (RSD) for laboratory replicates	EPA's recommendation has been incorporated into the Plan, such that an RSD ≤ 35% will indicate that the data is usable for its intended purpose, and an RSD > 35% will trigger further evaluation in consultation with EPA and DTSC. Laboratory triplicate samples will be collected from bulk samples collected from DU-6 and DU-3A, which are boundary DUs adjacent to areas with previously characterized PCB impacts and DU-8, which is not a boundary DU.	Section 4.1 Section 3.5
5.	Eurofins Calscience, LLC., Standard Operating Procedure for Multi-Incremental Sampling	EPA's recommendation has been incorporated into the Plan and communicated with the laboratory.	Sections 3.2, 3.4, and 3.5
EPA Comment (June 1, 2023)		**Response**	**Section of Plan**
1.	Consider separating condensate pits into separate decision units.	We have considered your comment and determined there is not a technical justification that warrants their separate treatment. As previously communicated with EPA and DTSC, the pits were installed as secondary containment below the closed loop circulation systems for condensers for each of the generating units. Water used to cool the units was turned to steam then collected in the condenser and returned to the closed loop cooling system. The purpose of the pits was to collect any condensate (water) that came out of the condensers. No oils or equipment known or suspected to have contained PCBs are known to have been staged in these pits. During construction, these pits would have been formed and installed concurrently with the surrounding concrete slab. Further, water samples collected from the pits were analyzed for waste disposal purposes, and PCBs were not detected. The approximate locations of the condensate pits have been added to the figures. As shown on Figures 3, 5, and 7, increments will be collected from within the pits as part of DU-3A, DU-3B, DU-7B, and DU-7C.	Section 2.1 (Table 1) Figures 3, 5, 7

With EPA concurrence on the enclosed Plan, we plan on beginning preparatory fieldwork during the week of June 26, 2023, and sampling is expected to begin in early July. If you have any questions regarding this submittal or need additional information, please contact me at (732) 742-0764.

Sincerely,

Jessica Hinchliffe
BTC III Etiwanda Commerce Center LP

Enclosure: Site Characterization Plan

cc: Steve Rounds, PE, Department of Toxic Substances Control
CY Jeng, Ph.D., Department of Toxic Substances Control
Dina Kourda, CEG, CHg, Department of Toxic Substances Control
Chris Sanford, BTC III Etiwanda Commerce Center LP
Carlos Palafox, BTC III Etiwanda Commerce Center LP
Mark Foley, BTC III Etiwanda Commerce Center LP
Pam Andes, Allen Matkins Leck Gamble Mallory & Natsis LLP
Deepa Gandhi, PE, EKI Environment & Water, Inc.
Matthew Nelson, PE, Roux Associates, Inc.

Site Characterization Plan

BTC III Etiwanda Commerce Center
8996 Etiwanda Avenue, Rancho Cucamonga, California

PCB Site ID: CATSCA111184 / CAR000038158

Prepared by: BTC III Etiwanda Commerce Center LP
Date: June 8, 2023

1. Introduction

BTC III Etiwanda Commerce Center LP ("Owner") prepared this site characterization plan for concrete ground surfaces at former Generating Units 1 and 2 ("Site"; Figure 1) of the facility located at 8996 Etiwanda Avenue, Rancho Cucamonga, California.

Polychlorinated biphenyl (PCB) impacts at the Site have been assessed via a stepwise investigation process based on historical operations and land uses started in 1995 under the oversight of the California Department of Toxic Substances Control ("DTSC"). Ground surfaces in the vicinity of former oil-containing equipment at the Site have been delineated using discrete samples collected on a 5-foot grid as described in the *Self-Implementing PCB Cleanup and Disposal Notification Plan* ("SICP") for the Site (Roux Associates, Inc., revised November 28, 2022; Roux, 2022). Step-out samples were collected and analyzed until concentrations in concrete and/or asphalt samples were less than DTSC Human Ecological Risk Office ("HERO") Human Health Risk Assessment ("HHRA") Note Number 3 (DTSC, 2022) commercial/industrial soil screening level ("DTSC SL") of 0.58 milligrams per kilogram (mg/kg) for total PCBs. Previous sampling results are shown on Figure 1.

In order to assess whether remaining concrete at the Site is suitable to remain on-Site, the Environmental Protection Agency (EPA) has requested a characterization plan for areas of concrete that remain to be characterized. This Plan has been prepared in response to EPA's conditional approval of the SICP (Condition B.3.b), dated December 15, 2022. In addition to satisfying EPA's request to characterize remaining concrete areas, this Plan has been developed to support an Amendment to the SICP under 40 CFR 761.61(c), as requested in EPA's December 15, 2022 Conditional Approval, such that ground surfaces at the Site with concentrations of total PCBs ≤ 25 mg/kg can be crushed and left in-place on-Site under a new protective cap. This potential cleanup and disposal approach has been revised from the approach documented in the SICP based on EPA's Conditional Approval Item B.3.b.

Due to the size of the remaining areas to be characterized (approximately 28,300 square feet ["SF"]) and prioritization of greener cleanup procedures, a sampling approach based on incremental sampling methodology (ISM) concepts is proposed as a Site-specific risk-based alternative under 40 CFR 761.61(c) for evaluation of remaining concrete ground surfaces for PCBs at the Site. Use of ISM for characterization of PCBs is discussed in the PCB Facility Approval Streamlining Toolbox ("FAST") and EPA's August 8, 2019 document entitled ISM at PCB Cleanup Sites.

This plan has been developed in coordination with EPA and DTSC via meetings on March 17, May 3, and May 5, 2023, draft submittals and responses to EPA inquiries provided by Owner on March 14, March 17, May 5, May 11, and May 19, 2023, and written comments received from EPA on April 25, May 25, and June 1, 2023.

Details of the investigation design, field sampling procedures, and laboratory processing steps are provided below and in the attached documents:

Figures:

- Figure 1: Site Layout and Proposed Decision Units
- Figure 2: Incremental Sampling Plan: DU-1 and DU-2
- Figure 3: Incremental Sampling Plan: DU-3A and DU-3B
- Figure 4: Incremental Sampling Plan: DU-4, DU-5, and DU-6

- Figure 5: Incremental Sampling Plan: DU-7A, DU-7B, and DU-7C
- Figure 6: Incremental Sampling Plan: DU-8 and DU-9
- Figure 7: Proposed Decision Units and Increments

Attachments:

- Attachment 1: Statistical Rationale Supporting ISM Approach
- Attachment 2: Standard Operating Procedure: Incremental Sampling Methodology for Collection of Concrete Samples for Polychlorinated Biphenyl (PCB) Analysis
- Attachment 3: Laboratory Standard Operating Procedure for Multi-Incremental Sampling (MIS)

2. ISM Investigation Design

2.1. Decision Units ("DUs")

The ISM characterization program is designed to confirm the absence of PCB impacts to concrete at the Site outside of those areas previously characterized. Decision Units ("DUs") were established based on historical uses at the Site, including the location of known former oil-containing equipment, process areas, rooms and/or other building features. Proposed DUs are presented on Figure 1, and summarized below:

Table 1: Proposed Decision Units

Decision Unit ID	Approximate Area	Description and Rationale
DU-1	1,590 SF	Northwest corner of the building slab. Previously contained lube oil transfer pump; trench and lube oil unloading tank; dirty oil sump based on historical information.
DU-2	2,920 SF	Southwest portion of the building slab. Previously contained hydrogen seal oil supply unit; main generator exciter sets; auxiliary generator exciter set, and motors based on historical information.
DU-3A (1)	2,710 SF	Area west of the delineated area extending to DUs 1 and 2. No oil-containing equipment was observed in this area based on historical information.
DU-3B	3,460 SF	DU-3A and DU-3B include the western condensate pit, historically installed as secondary containment below the closed loop circulation systems for condensers for each of the generating units. The purpose of the pit was to collect any condensate (water) that came out of the condensers. No oils or equipment known or suspected to have contained PCBs are known to have been staged in this pit. A sample was collected of water from within the pit, and PCBs were not detected above the laboratory reporting limit of 0.55 micrograms per liter (µg/L). The laboratory report will be included as part of the final report.
DU-4 (1)	2,950 SF	Area to the north of former transformers Unit-2-SST and Unit-1/2-RT and the east of the delineated area. Previously contained motor and generator based on historical information. This area surrounds former transformer Unit-1-SST(s) but does not include it as this transformer pad was previously characterized and delineated, and will be disposed of offsite under Phase 1 of the approved SICP.
DU-5 (2)	90 SF	Pad for former transformer Unit-1-SST located to the east of former transformer Unit-1/2-RT.

DU-6 (1)	1,410 SF	Area surrounding the pad for former transformer Unit-1-SST and including other nearby areas adjacent to previously-characterized and delineated former transformer pads. This area represents a reasonable work area around the former locations of equipment known or suspected to have contained PCBs.
DU-7A (1)	1,470 SF	Area east of the delineated area extending to DUs 8 and 9. No oil-containing equipment was observed in this area based on historical information. DU-7B and DU-7C include the eastern condensate pit, historically installed as secondary containment below the closed loop circulation systems for condensers for each of the generating units. The purpose of the pit was to collect any condensate (water) that came out of the condensers. No oils or equipment known or suspected to have contained PCBs are known to have been staged in this pit. A sample was collected of water from within the pit, and PCBs were not detected above the laboratory reporting limit of 0.49 µg/L. The laboratory report will be included as part of the final report.
DU-7B	3,500 SF	
DU-7C	3,390 SF	
DU-8 (1)	2,650 SF	Northeast corner of the building slab. Previously contained compressors based on historical information.
DU-9	2,100 SF	Southeast corner of the building slab. Previously contained motors and generators based on historical information.

Notes: (1) Triplicate field samples to be collected. DUs designated for field replicate collection were determined in consultation with EPA and in response to EPA's April 25 comment #1:

a. One triplicate for a likely low to no PCB concentration DU: DU-8
b. One triplicate for a likely high PCB concentration DU: DU-6
c. Triplicates for all 'boundary' DUs: DU-3A, DU-4, DU-7A

(2) DU to be characterized using discrete sampling methodology on a 5-foot grid.

2.2. Increments and Field Bulk Samples

The field and laboratory protocols described herein are designed to improve reliability and defensibility of sampling data by reducing data variability and providing a reasonable estimate of a chemical's mean concentration for the volume of material being sampled.

A minimum of 42 increments (single points of collection that are combined to create field bulk sample for each DU) will be collected from each DU (except for DU-5 described above). The rationale for the number of increments to be collected is provided in Attachment 1, and field sampling procedures are provided in Attachment 2.

Increment locations were determined through systematic random sampling using Visual Sample Plan (VSP) software, by dividing each DU into a grid and selecting a random increment location within the first grid cell. Remaining increment locations were then assigned to the remaining grid cells at the same relative location. Proposed increment locations for each DU are presented on Figures 2 through 6. Adjustments may be made to the increment locations based on field conditions and the geometry of the DU.

Field bulk samples (or "ISM samples") will be prepared for each DU by combining the increments collected into a single container, which is then further processed and subsampled by the analytical laboratory according to specific protocols described in Attachment 3.

2.3. Data Quality Objectives

The following data quality objectives ("DQOs") have been established for this effort:

- Assess remaining areas known to be the location of former oil-containing equipment and process areas;
- Assess areas immediately adjacent to previously-characterized concrete and asphalt ground surfaces ("boundary DUs")
- Screen remaining areas with no known environmental features of note;
- Assess the representativeness of the ISM program by calculating the relative standard deviation of field and laboratory replicate samples; and
- Support a future Amendment to the SICP such that ground surfaces at the Site with concentrations of total PCBs ≤25 mg/kg can be crushed and left in-place on-Site under a new protective cap, as further described in Section 5.

3. ISM Investigation Implementation

3.1. Field Preparation

- Concrete surfaces will be broom swept as needed to facilitate visual survey of sampling area.
- Standing water within Site boundaries will be removed, containerized, and disposed of pending appropriate characterization. Concrete surfaces in the condensate pits will be inspected and documented following water removal.
- A surveyor will be retained to mark out the corners of DUs and reference points to be used to lay out the increment locations within each DU.
- Increment locations will be marked out using tape and a marker or paint circles. No paint will be placed where the increment sample is to be collected. Different colors will be used to distinguish between replicate samples within a DU.
- DUs will be verified with a walkthrough and visual survey of the concrete surface. Cracks, slopes in the concrete, and stains will be noted and photographed, including their location(s) relative to nearby marked increment locations.

3.2. Sample Collection

- Sampling procedures are summarized below, and standard operating procedures for field sampling are provided in Attachment 2.
- Samples will be collected using a rotary hammer drill using methods in general accordance with EPA Region 1 Standard Operating Procedures for Sampling Porous Surfaces for PCBs. Maximum sample depth will be approximately 0.5 inches. Multiple closely spaced holes may be required to generate sufficient sample mass. Each increment will be approximately 20 to 30 grams as weighed in the field.
- All the increments will be combined in a zip top bag or laboratory supplied container in the field to prepare the field bulk sample.
- Samples will be transported under strict chain-of-custody to the analytical laboratory for processing and analysis, as described in Section 3.4. The following will be included on the chain-of-custody form accompanying the samples to the laboratory:
  - Sample extraction method: EPA method 3540C (manual Soxhlet)
  - Analytical method: EPA method 8082A.
  - All laboratory analytical results are to be reported on a dry weight basis.
  - Detection and quantitation limits must be at least 50% lower than the action level of 0.58 mg/kg total PCBs.
- Sampling tool decontamination is not required between increments. Sampling tools will be decontaminated between DUs and between triplicate samples. Decontamination procedures are provided in Attachment 2.
- Discrete samples collected from DU-5 will be collected following procedures described in the SICP.

3.3. Field Quality Control

- In consultation with EPA and DTSC, triplicate bulk samples will be collected from the following DUs: DU-3A, DU-4, DU-6, DU-7A, and DU-8.
- To prepare each triplicate, individual increments will be collected following a systematic random approach from different areas. The increments to prepare each of the triplicates (each of the three bulk samples) will not be collected side by side.
- Increment locations presented on Figures 3 through 6 include the proposed triplicate samples.
- Sampling tools will be decontaminated between triplicate samples.

3.4. Laboratory Processing of Bulk Samples

- Laboratory processing of bulk samples will be conducted by Eurofins Calscience LLC ("Eurofins"), of Garden Grove, California, in accordance with their Standard Operating Procedure for Multi-Incremental Sampling (MIS; Attachment 3) and as described below. Sample extraction and analysis will also be performed by Eurofins.
- The processing laboratory will be instructed to spread the ground sample in a thin layer (slab cake) and prepare a representative 30-gram subsample for testing by collecting 30 x 1-gram increments from the slab cake in a systematic random manner and combining each of the small increments. A flat bottom sampling tool with sides and a minimum 16-millimeter (mm) width should be used by the laboratory to collect the subsamples.
- A 30-gram subsample will also be collected to determine percent moisture as PCB analytical results must be reported as dry weight. Percent moisture will be determined following EPA's extraction method 3540C procedures.
- The 30-gram subsample will be extracted following EPA's extraction method 3540C (manual Soxhlet; including use of a 1-mm sieve size) and analyzed for PCBs following EPA method 8082A.

3.5. Laboratory Quality Control

- To evaluate the accuracy of the laboratory subsampling procedures, the processing laboratory will collect three sets of triplicate samples from the bulk samples submitted for processing and analysis.
- Laboratory triplicate samples will be collected from bulk samples collected from DU-6 and DU-3A, which are boundary DUs adjacent to areas with previously characterized PCB impacts, and from DU-8, which is not a boundary DU.
- Laboratory results will be reported on a dry weight basis.

4. Evaluation of analytical results

4.1. Data Precision Evaluation

All laboratory packages will be reviewed for completeness and conformance with project goals. A data precision evaluation will be conducted by calculating the relative standard deviation (RSD) for each replicate data set, including both field and laboratory replicates. As recommended by EPA, the following thresholds will be utilized when evaluating data precision of replicate samples:

- RSD ≤ 35%: Data will be considered useable for its intended purpose.
- RSD > 35%: Further evaluation will be conducted in consultation with EPA and DTSC (see caveats below).

When evaluating results of replicate samples with RSD > 35%, the following caveats should be considered:

- High RSDs can become unavoidable as contaminant concentrations approach the laboratory method reporting and detection limits. Sample data that indicate low concentrations well below the

action levels may be considered acceptable for decision making even though the RSD of the replicate data indicate poor precision.

- Similarly, RSDs typically increase as the magnitude of contamination increases. Sample data that significantly exceed target action levels are generally acceptable for decision making even though the RSD of the replicate data indicate poor precision.

4.2. Evaluation of Analytical Results

Anticipated action levels for total PCB concentrations are as follows:

- DTSC SL = 0.58 mg/kg
- Risk-based action level for on-Site management/capping = 25 mg/kg
- Action level for disposal at an approved PCB disposal facility or RCRA landfill = 50 mg/kg

For DUs where a single ISM sample was collected, the ISM sample result will be compared directly to action levels.

For DUs where replicate field samples were collected and the RSD is equal to or less than 35%, the mean concentration of the replicates will be calculated and compared to the action levels.

For DUs where replicate field samples were collected and the RSD exceeds 35%, evaluation of the analytical results will be conducted in consultation with EPA and DTSC. Depending on the magnitude of the RSD and the concentration range of the results, it may be appropriate to calculate the 95% UCL of the sample data, or to compare the highest concentration to the action levels.

Discrete samples collected from DU-5 will be directly compared to the action levels above.

5. Schedule and Reporting

Field preparatory activities are currently in progress. Fieldwork is anticipated to begin at the end of June, and take 4-6 weeks to complete. Laboratory analysis is expected to have a turnaround time of 20 days, after which RSDs will be calculated. Unexpected conditions or proposed deviations from the approved plan will be communicated to EPA and DTSC by email.

Results of the Site characterization activities are anticipated to be reported to EPA and DTSC in October 2023. An amendment to the SICP will subsequently be prepared presenting a revised cleanup and disposal approach for the concrete and asphalt characterized using discrete and ISM sampling approaches that includes:

1. Risk-based management of characterized materials: Characterized ground surfaces may remain on Site (with or without capping) or be disposed of off Site as described in Table 2 below.

Table 2: Anticipated risk-based management strategy for characterized materials

PCB concentration range	Management strategy [1]
Total PCBs ≤ 0.58 mg/kg	Material will be crushed for use during the redevelopment of the subject property in consultation with EPA and DTSC.
0.58 mg/kg < total PCBs ≤ 25 mg/kg	Material will be segregated, crushed, and placed under a new concrete or asphalt cap at least 6 inches thick. New building slab or pavement installed as part of the development may serve as the proposed protective cap in consultation with EPA and DTSC.
25 mg/kg < total PCBs < 50 mg/kg	Material will be disposed of in a permitted nonhazardous landfill.

50 mg/kg ≤ total PCBs	Material will be disposed of in a hazardous waste landfill permitted by EPA or an authorized State, or in an approved PCB disposal facility.

Note: (1) Management strategy applies to concrete, asphalt, or soil previously characterized in 2022 or subsequently characterized in accordance with this Plan. Concrete surfaces to be characterized in accordance with this Plan do not yet have a cleanup approach approved by EPA.

2. Waste characterization: Discrete in situ sample data, where available, will be used for waste profiling purposes for media requiring off-Site disposal (e.g., previously-characterized concrete, asphalt, and soil, and concrete from DU-5). Where discrete sample data is not available, concrete requiring off-Site disposal will be profiled using ISM data collected as described herein. Additional disposal sampling may be conducted as required by the selected disposal facility.

6. References

California Department of Toxic Substances Control Office of Human and Ecological Risk, 2022. Human Health Risk Assessment Note 3 – DTSC-Modified Screening Levels, May.

ITRC, 2020, *Incremental Sampling Methodology*: Interstate Technology and Regulatory Council, October 2020 (update of 2012 edition), https://ism-2.itrcweb.org/.

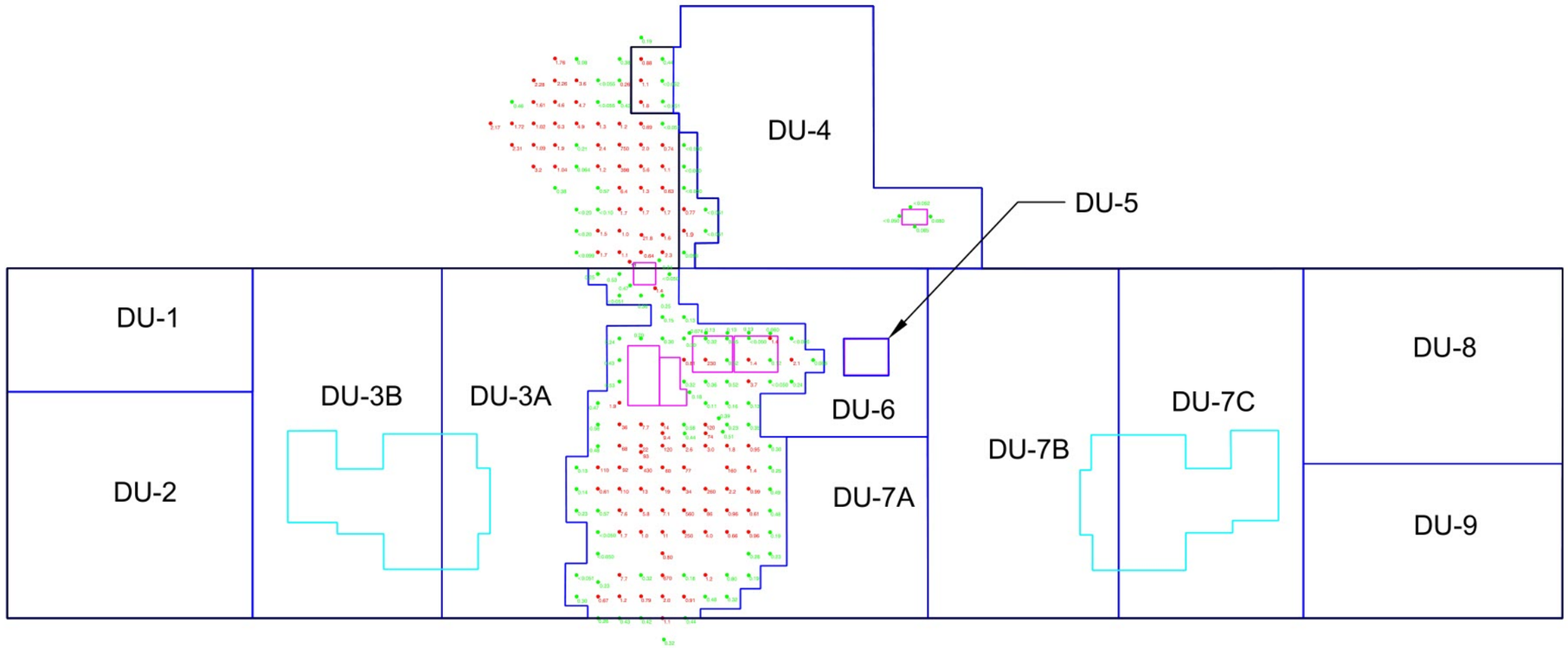
Roux Associates, Inc., 2022. Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California, November 28.

USEPA Region 1, 2011, Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs). May 2011.

USEPA, 2017, *PCB Facility Approval Streamlining Toolbox: A Framework for Streamlining PCB Site Cleanup Approvals*, EPA530-F-17-002.

USEPA, 2019, *Incremental Sampling Methodology (ISM) at Polychlorinated Biphenyl (PCB) Cleanup Sites*, August 8, 2019.

Figures

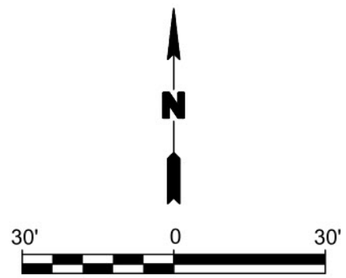


LEGEND

- CONCRETE SLAB OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PITS
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs > 0.58 MG/KG)
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs ≤ 0.58 MG/KG)

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL SITE PLAN FOR FORMER GENERATING UNITS 1 AND 2
2. MG/KG = MILLIGRAM PER KILOGRAM
3. TOTAL PCB CONCENTRATIONS ARE REPORTED IN MG/KG



Title:

SITE LAYOUT AND PROPOSED DECISION UNITS

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

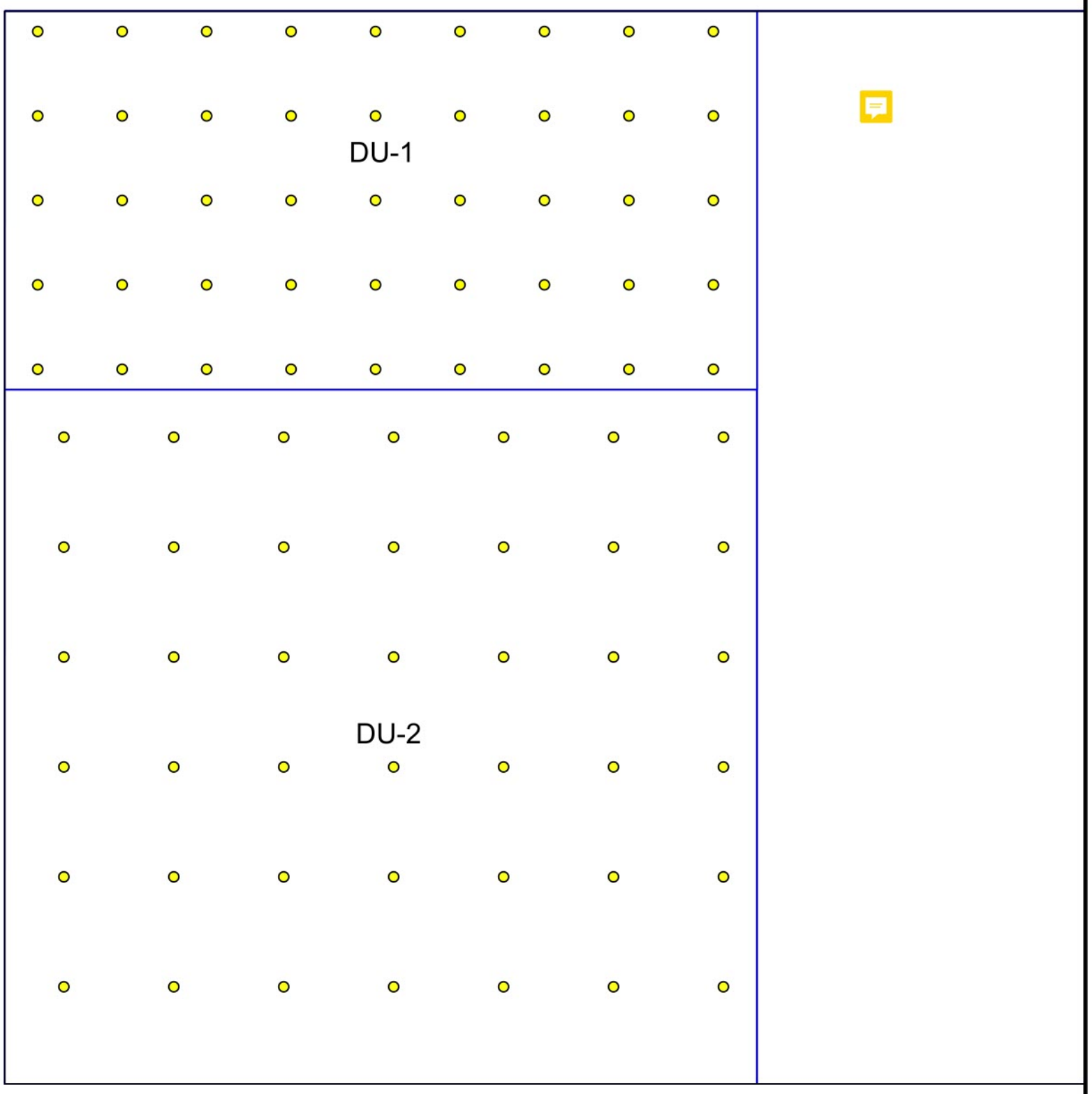
BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	1
Project Mgr: M.J.N.	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		

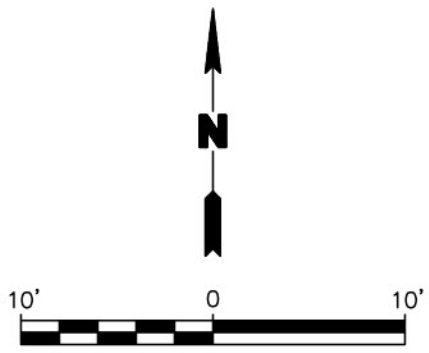
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LEGEND

- CONCRETE SLAB OUTLINE
- PROPOSED DECISION UNITS
- PROPOSED INCREMENTS



Title:

INCREMENTAL SAMPLING PLAN: DU-1 AND DU-2

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

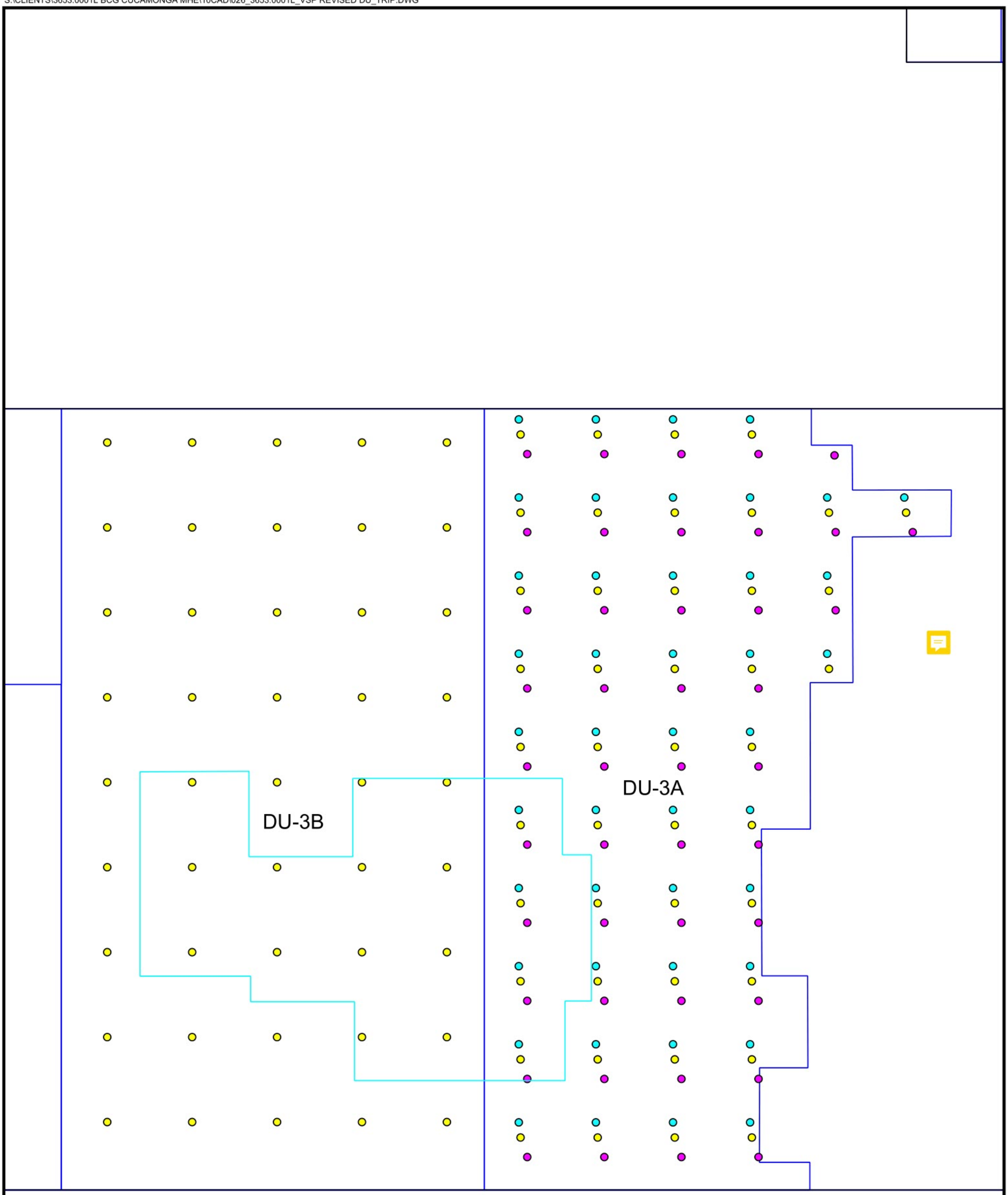
Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	2
Project Mgr: M.J.N	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		

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LEGEND

- CONCRETE SLAB OUTLINE
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PITS
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL PLAN FOR FORMER GENERATING UNITS 1 AND 2

N

10' 0 10'

Title:

INCREMENTAL SAMPLING PLAN: DU-3A AND DU-3B

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

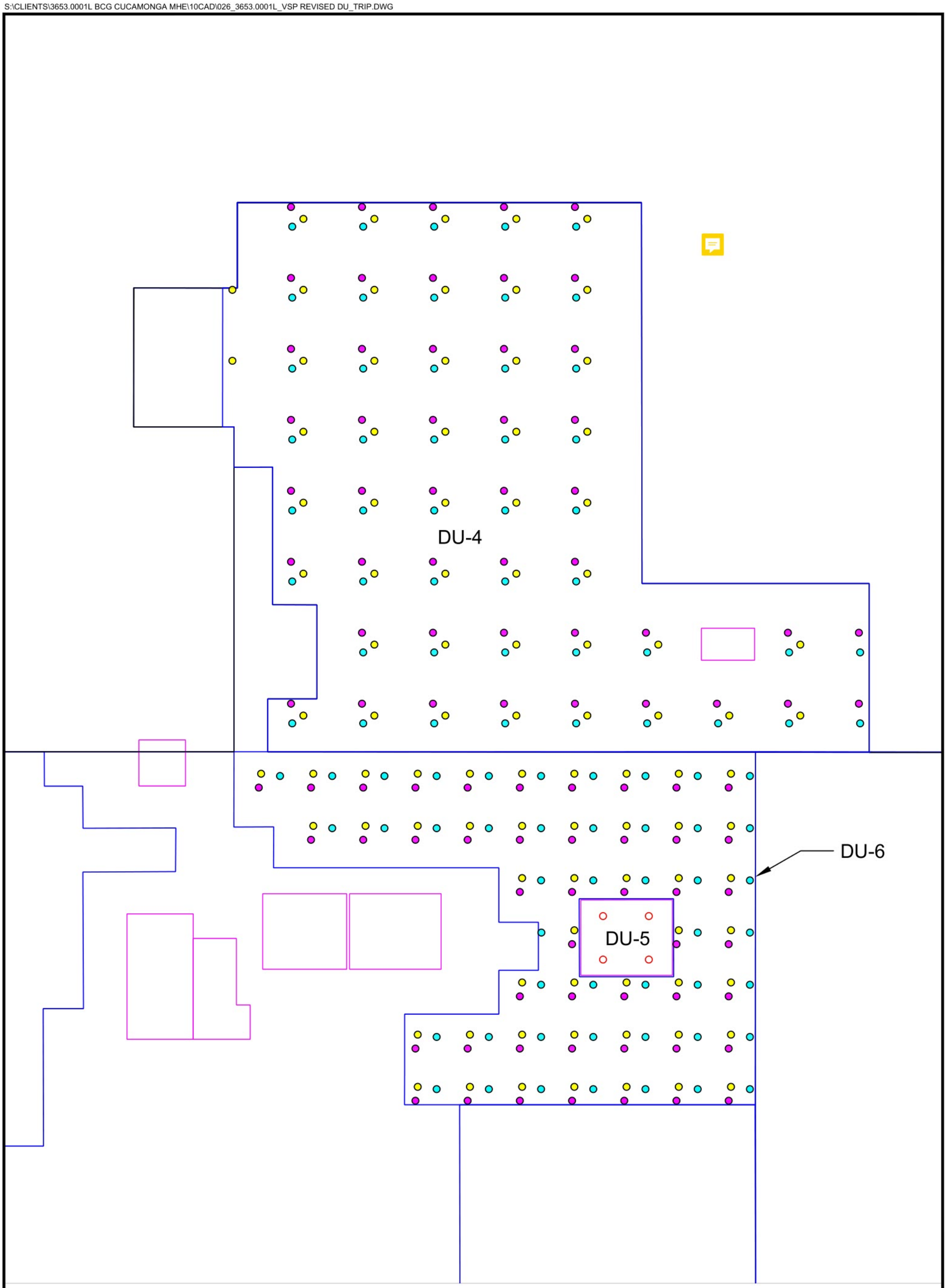
Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	3
Project Mgr: M.J.N	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\026_3653.0001L_VSP REVISED DU_TRIP.DWG



LEGEND

- CONCRETE PAD OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES
- PROPOSED DISCRETE SAMPLE

N

10' 0 10'

Title:

INCREMENTAL SAMPLING PLAN: DU-4, DU-5, AND DU-6

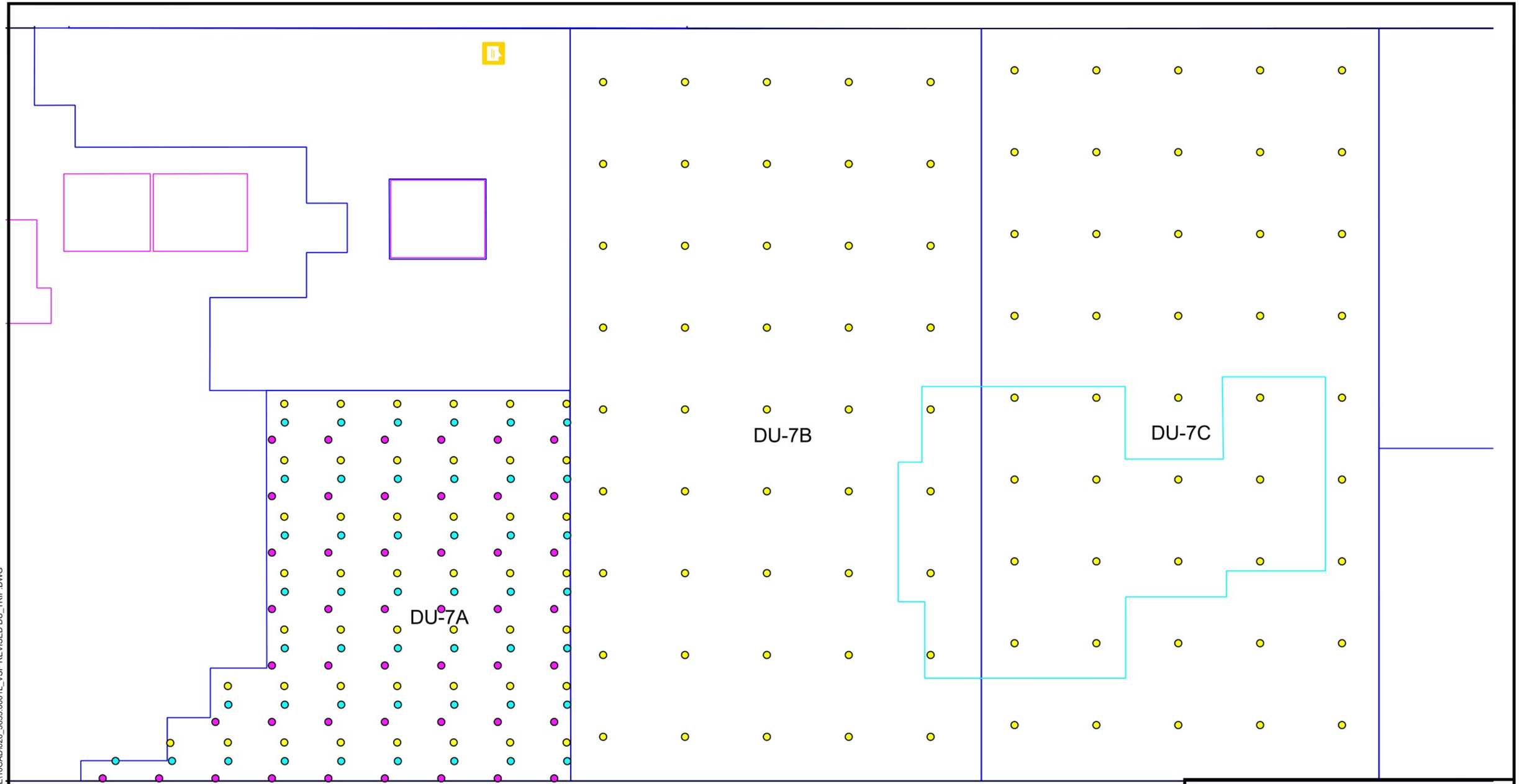
8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	4
Project Mgr: M.J.N	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		



LEGEND

- CONCRETE SLAB OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PIT
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL PLAN FOR FORMER GENERATING UNITS 1 AND 2

N

10' 0 10'

Title:

INCREMENTAL SAMPLING PLAN: DU-7A, DU-7B, AND DU-7C

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

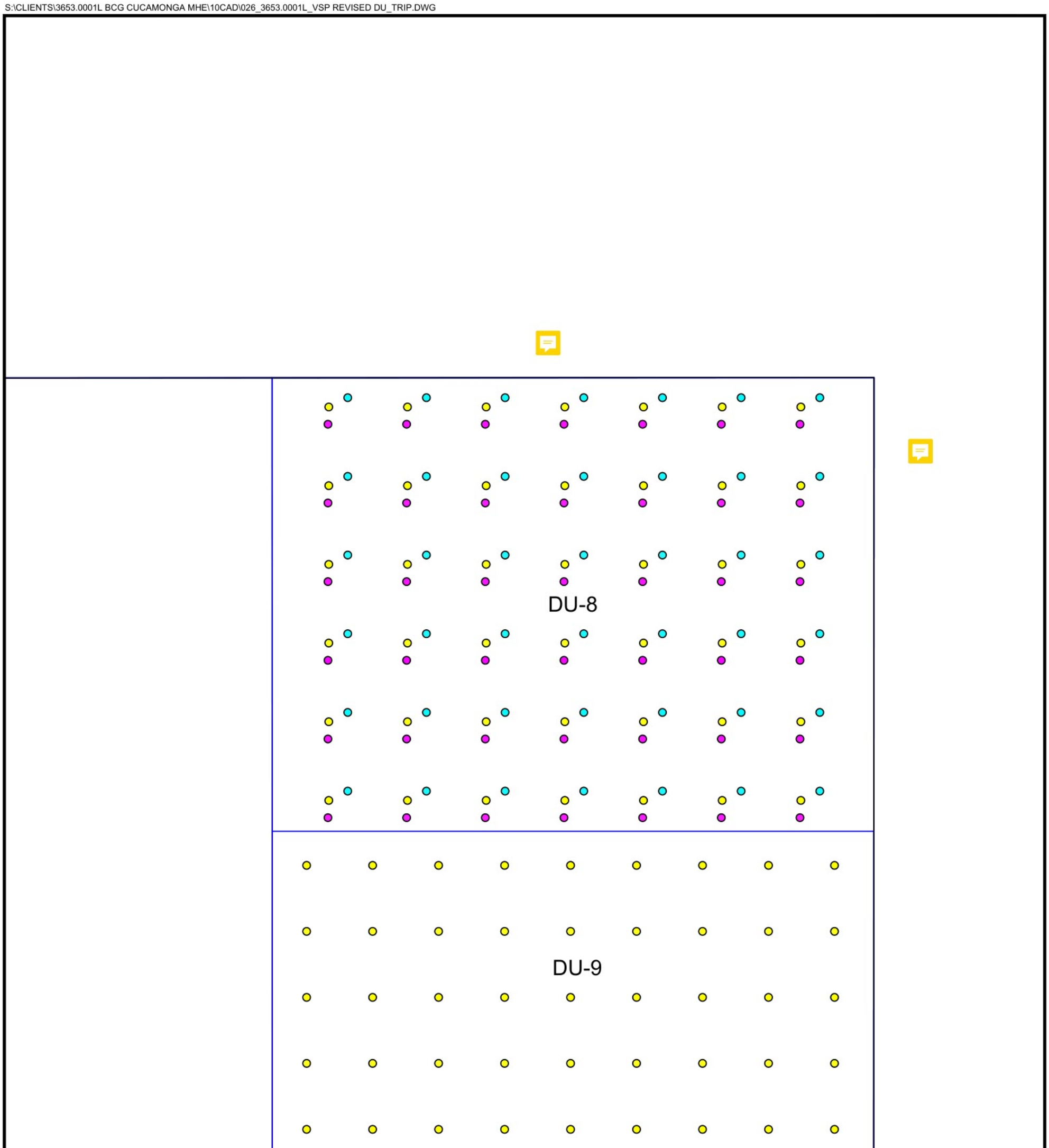
BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	5
Project Mgr: M.J.N.	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\026_3653.0001L_VSP REVISED DU_TRIP.DWG

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\026_3653.0001L_VSP REVISED DU_TRIP.DWG



LEGEND

- CONCRETE SLAB OUTLINE
- PROPOSED DECISION UNITS
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES

N

10' 0 10'

Title:

INCREMENTAL SAMPLING PLAN: DU-8 AND DU-9

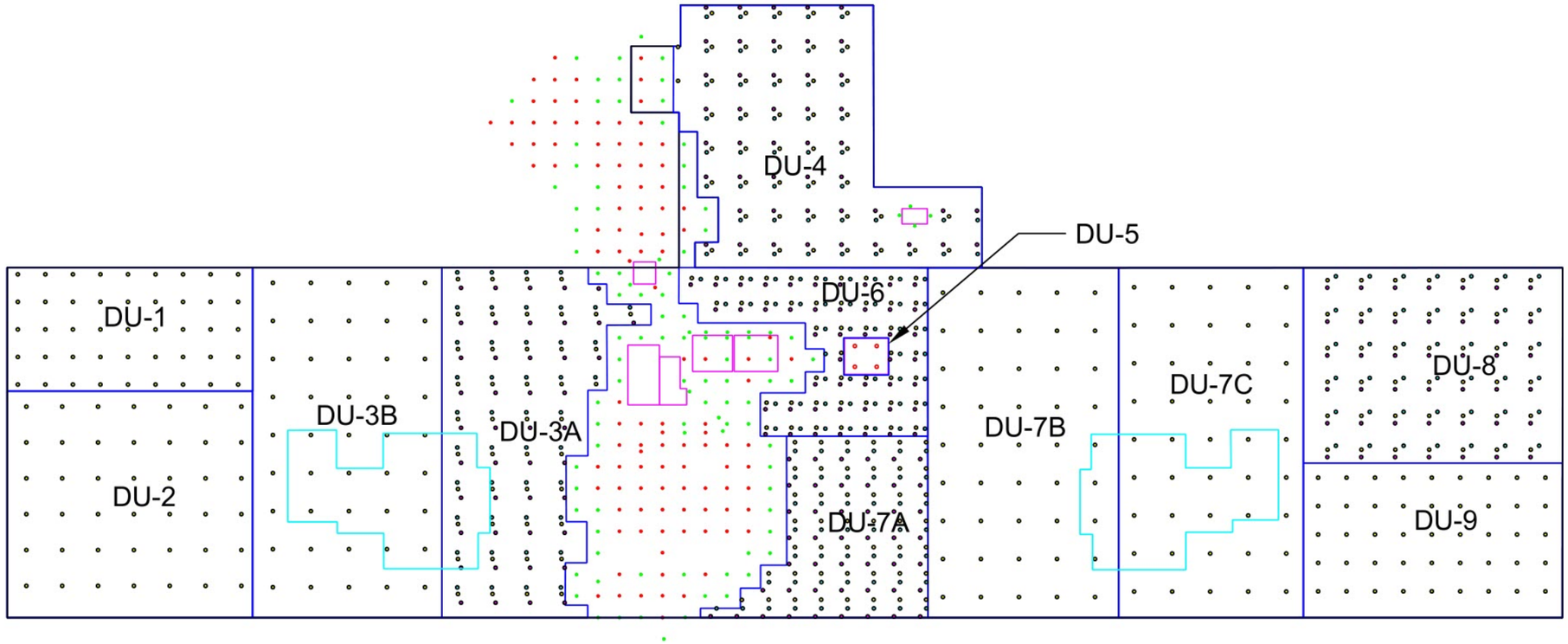
8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	6
Project Mgr: M.J.N	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		

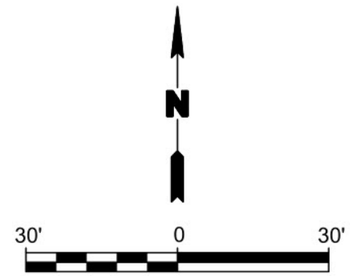


LEGEND

- CONCRETE SLAB OUTLINE
- FORMER TRANSFORMER PAD
- PROPOSED DECISION UNITS
- APPROXIMATE CONDENSATE PITS
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs > 0.58 MG/KG)
- PREVIOUS CHARACTERIZATION SAMPLING LOCATION (TOTAL PCBs ≤ 0.58 MG/KG)
- PROPOSED INCREMENTS
- PROPOSED DUPLICATES
- PROPOSED TRIPLICATES
- PROPOSED DISCRETE SAMPLES

NOTES

1. CONDENSATE PIT LOCATIONS ARE APPROXIMATE AND BASED ON A HISTORICAL PLAN FOR FORMER GENERATING UNITS 1 AND 2
2. MG/KG = MILLIGRAM PER KILOGRAM



Title:

PROPOSED DECISION UNITS AND INCREMENTS

8996 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA

Prepared for:

BTC III ETIWANDA COMMERCE CENTER LP

ROUX

Compiled by: T.C.	Date: 05 JUNE 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	7
Project Mgr: M.J.N.	Project: 3653.0001L	
File: 026_3653.0001L_VSP REVISED DU_TRIP.DWG		

S:\CLIENTS\3653.0001L BCG CUCAMONGA MHE\10CAD\026_3653.0001L_VSP REVISED DU_TRIP.DWG

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - DL

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C7 as C7	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C8 as C8	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C9-C10	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C11-C12	ND		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C13-C14	**63**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C15-C16	**520**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C17-C18	**1700**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C19-C20	**1900**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C21-C22	**1300**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C23-C24	**860**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C25-C28	**590**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C29-C32	**150**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C33-C36	**73**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C37-C40	**70**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C41-C44	**96**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
C6-C44	**7000**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10
Diesel Range Organics [C10-C28]	**6700**		50		mg/Kg		11/15/21 09:38	11/17/21 05:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*60 - 138*	*11/15/21 09:38*	*11/17/21 05:54*	*10*

Method: 8015B - Diesel Range Organics (DRO) (GC) - RA

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C7 as C7	**5.2**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C8 as C8	**22**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C9-C10	**100**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C11-C12	**120**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C13-C14	**84**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C15-C16	**35**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C17-C18	**57**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C19-C20	**54**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C21-C22	**62**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C23-C24	**120**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C25-C28	**170**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C29-C32	**120**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C33-C36	**61**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C37-C40	**22**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C41-C44	**10**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
C6-C44	**990**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1
Diesel Range Organics [C10-C28]	**680**		5.0		mg/Kg		11/15/21 11:41	11/17/21 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*104*		*60 - 138*	*11/15/21 11:41*	*11/17/21 04:33*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*	*11/15/21 16:07*	*11/16/21 18:08*	*1*
DCB Decachlorobiphenyl (Surr)	*122*		*20 - 155*	*11/15/21 16:07*	*11/16/21 18:08*	*1*

Client Sample ID: Unit-1-LT(N)
Date Collected: 11/12/21 07:48
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1260	**600**		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*69*		*25 - 126*	*11/15/21 16:07*	*11/16/21 18:26*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*	*11/15/21 16:07*	*11/16/21 18:26*	*1*

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1260	**130**		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*63*		*25 - 126*	*11/15/21 16:07*	*11/16/21 18:44*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*20 - 155*	*11/15/21 16:07*	*11/16/21 18:44*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-T-2
Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:02*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:02*	*1*

Client Sample ID: Unit-2-T-3
Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*55*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:20*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:20*	*1*

Client Sample ID: Unit-2-T-4
Date Collected: 11/12/21 09:12
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:38*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:38*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-T-1
Date Collected: 11/12/21 09:35
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*64*		*25 - 126*	*11/15/21 16:07*	*11/16/21 19:56*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*20 - 155*	*11/15/21 16:07*	*11/16/21 19:56*	*1*

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*11/15/21 16:07*	*11/16/21 20:14*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*20 - 155*	*11/15/21 16:07*	*11/16/21 20:14*	*1*

Client Sample ID: Unit-1-T-3
Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*49*		*25 - 126*	*11/15/21 16:07*	*11/16/21 20:31*	*1*
DCB Decachlorobiphenyl (Surr)	*61*		*20 - 155*	*11/15/21 16:07*	*11/16/21 20:31*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-T-4
Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1260	**58**		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*11/15/21 16:07*	*11/16/21 20:50*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*	*11/15/21 16:07*	*11/16/21 20:50*	*1*

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*60*		*25 - 126*	*11/15/21 16:07*	*11/16/21 21:07*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*20 - 155*	*11/15/21 16:07*	*11/16/21 21:07*	*1*

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	110000		25000		ug/Kg		11/15/21 16:07	11/17/21 10:37	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 126*	*11/15/21 16:07*	*11/17/21 10:37*	*500*
DCB Decachlorobiphenyl (Surr)	*123*		*20 - 155*	*11/15/21 16:07*	*11/17/21 10:37*	*500*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Arsenic	ND		2.58		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Barium	**82.2**	**F1**	0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Beryllium	**0.359**		0.258		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Cadmium	**1.07**		0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Cobalt	**6.48**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Chromium	**12.6**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Copper	**12.6**	**F1**	1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Molybdenum	ND		0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Nickel	**11.2**		0.515		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Antimony	ND	F1	3.09		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Selenium	ND		5.15		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Thallium	ND		5.15		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Vanadium	**31.0**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Zinc	**65.5**		10.3		mg/Kg		11/18/21 05:10	11/18/21 14:15	1
Lead	ND		5.15		mg/Kg		11/18/21 05:10	11/18/21 14:15	1

Client Sample ID: Unit-1-LT(N)
Date Collected: 11/12/21 07:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Arsenic	ND		2.54		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Barium	**71.6**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Beryllium	**0.350**		0.254		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Cadmium	**0.736**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Cobalt	**3.95**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Chromium	**11.9**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Copper	**9.13**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Molybdenum	ND		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Nickel	**8.03**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Antimony	ND		3.05		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Selenium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Thallium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Vanadium	**24.4**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Zinc	**31.5**		10.2		mg/Kg		11/18/21 05:10	11/18/21 14:22	1
Lead	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:22	1

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Arsenic	ND		2.51		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Barium	**73.6**		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Beryllium	**0.365**		0.251		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Cadmium	**0.924**		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Cobalt	**5.71**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Chromium	**17.7**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Copper	**14.1**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Nickel	**16.1**		0.503		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Antimony	ND		3.02		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Selenium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Thallium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Vanadium	**28.5**		1.01		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Zinc	**107**		10.1		mg/Kg		11/18/21 05:10	11/18/21 14:24	1
Lead	**5.04**		5.03		mg/Kg		11/18/21 05:10	11/18/21 14:24	1

Client Sample ID: Unit-2-T-2
Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Arsenic	ND		2.50		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Barium	**81.6**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Beryllium	**0.361**		0.250		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Cadmium	**0.990**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Cobalt	**6.56**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Chromium	**16.5**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Copper	**21.3**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Molybdenum	ND		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Nickel	**17.8**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Antimony	ND		3.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Selenium	ND		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Thallium	ND		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Vanadium	**31.6**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Zinc	**247**		10.0		mg/Kg		11/18/21 05:10	11/18/21 14:27	1
Lead	**9.44**		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:27	1

Client Sample ID: Unit-2-T-3
Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Arsenic	ND		2.55		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Barium	**74.8**		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Beryllium	**0.348**		0.255		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Cadmium	**1.03**		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Cobalt	**5.98**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Chromium	**16.1**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Copper	**24.8**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Molybdenum	ND		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Nickel	**14.5**		0.510		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Antimony	ND		3.06		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Selenium	ND		5.10		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Thallium	ND		5.10		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Vanadium	**29.1**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Zinc	**268**		10.2		mg/Kg		11/18/21 05:10	11/18/21 14:29	1
Lead	**5.51**		5.10		mg/Kg		11/18/21 05:10	11/18/21 14:29	1

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-T-4
Date Collected: 11/12/21 09:12
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Arsenic	**2.78**		2.46		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Barium	**67.4**		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Beryllium	**0.463**		0.246		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Cadmium	**0.869**		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Cobalt	**4.32**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Chromium	**14.4**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Copper	**25.6**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Molybdenum	ND		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Nickel	**30.7**		0.493		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Antimony	ND		2.96		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Selenium	ND		4.93		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Thallium	ND		4.93		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Vanadium	**70.6**		0.985		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Zinc	**413**		9.85		mg/Kg		11/18/21 05:10	11/18/21 14:31	1
Lead	**18.0**		4.93		mg/Kg		11/18/21 05:10	11/18/21 14:31	1

Client Sample ID: Unit-1-T-1
Date Collected: 11/12/21 09:35
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Arsenic	ND		2.56		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Barium	**87.5**		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Beryllium	**0.417**		0.256		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Cadmium	**1.99**		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Cobalt	**7.33**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Chromium	**18.4**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Copper	**39.3**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Molybdenum	ND		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Nickel	**30.0**		0.513		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Antimony	ND		3.08		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Selenium	ND		5.13		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Thallium	ND		5.13		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Vanadium	**45.4**		1.03		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Zinc	**251**		10.3		mg/Kg		11/18/21 05:10	11/18/21 14:34	1
Lead	**26.5**		5.13		mg/Kg		11/18/21 05:10	11/18/21 14:34	1

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Arsenic	ND		2.45		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Barium	**54.0**		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Beryllium	**0.287**		0.245		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Cadmium	**0.843**		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Cobalt	**4.53**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Chromium	**12.0**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Copper	**22.8**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Nickel	**9.63**		0.490		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Antimony	ND		2.94		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Selenium	ND		4.90		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Thallium	ND		4.90		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Vanadium	**24.3**		0.980		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Zinc	**158**		9.80		mg/Kg		11/18/21 05:10	11/18/21 14:36	1
Lead	**8.16**		4.90		mg/Kg		11/18/21 05:10	11/18/21 14:36	1

Client Sample ID: Unit-1-T-3
Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Arsenic	**2.72**		2.54		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Barium	**53.8**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Beryllium	ND		0.254		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Cadmium	**0.704**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Cobalt	**3.69**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Chromium	**10.6**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Copper	**26.1**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Molybdenum	ND		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Nickel	**8.63**		0.508		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Antimony	ND		3.05		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Selenium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Thallium	ND		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Vanadium	**21.0**		1.02		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Zinc	**183**		10.2		mg/Kg		11/18/21 05:10	11/18/21 14:53	1
Lead	**8.58**		5.08		mg/Kg		11/18/21 05:10	11/18/21 14:53	1

Client Sample ID: Unit-1-T-4
Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Arsenic	ND		2.38		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Barium	**52.7**		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Beryllium	**0.272**		0.238		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Cadmium	**0.723**		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Cobalt	**4.41**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Chromium	**11.4**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Copper	**12.2**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Molybdenum	ND		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Nickel	**9.05**		0.476		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Antimony	ND		2.86		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Selenium	ND		4.76		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Thallium	ND		4.76		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Vanadium	**23.8**		0.952		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Zinc	**165**		9.52		mg/Kg		11/18/21 05:10	11/18/21 14:55	1
Lead	**9.41**		4.76		mg/Kg		11/18/21 05:10	11/18/21 14:55	1

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Arsenic	**7.28**		2.50		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Barium	**76.9**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Beryllium	**0.393**		0.250		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Cadmium	**3.26**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Cobalt	**7.20**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Chromium	**16.4**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Copper	**110**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Molybdenum	ND		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Nickel	**26.9**		0.500		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Antimony	ND		3.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Selenium	ND	L	5.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Thallium	ND		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Vanadium	**36.2**		1.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Zinc	**1070**		10.0		mg/Kg		11/18/21 05:10	11/18/21 14:57	1
Lead	**34.9**		5.00		mg/Kg		11/18/21 05:10	11/18/21 14:57	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-1-SST(S)
Date Collected: 11/12/21 07:37
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/18/21 05:53	11/18/21 11:27	1

Client Sample ID: Unit-1-LT(N)
Date Collected: 11/12/21 07:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/18/21 05:53	11/18/21 11:32	1

Client Sample ID: Unit-2-T-1
Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		11/18/21 05:53	11/18/21 11:34	1

Client Sample ID: Unit-2-T-2
Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877		mg/Kg		11/18/21 05:53	11/18/21 11:36	1

Client Sample ID: Unit-2-T-3
Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		11/18/21 05:53	11/18/21 11:38	1

Client Sample ID: Unit-2-T-4
Date Collected: 11/12/21 09:12
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		11/18/21 05:53	11/18/21 11:43	1

Client Sample ID: Unit-1-T-1
Date Collected: 11/12/21 09:35
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/18/21 05:53	11/18/21 11:45	1

Client Sample ID: Unit-1-T-2
Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.350**		0.0833		mg/Kg		11/18/21 05:53	11/18/21 11:47	1

Client Sample ID: Unit-1-T-3
Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		11/18/21 05:53	11/18/21 11:49	1

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-1-T-4
Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		11/18/21 05:53	11/18/21 11:51	1

Client Sample ID: Unit-1-T-5
Date Collected: 11/12/21 10:28
Date Received: 11/12/21 13:32
Lab Sample ID: 570-75768-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		11/18/21 05:53	11/18/21 11:53	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
440-291495-A-1-A MS	Matrix Spike	104
440-291495-A-1-B MSD	Matrix Spike Duplicate	130
570-75742-A-5-A MS	Matrix Spike	113
570-75742-A-5-B MSD	Matrix Spike Duplicate	111
570-75768-1 - RA	Unit-1-SST(S)	104
570-75768-2	Unit-1-LT(N)	118
570-75768-3 - DL	Unit-2-T-1	131
570-75768-4	Unit-2-T-2	109
570-75768-5	Unit-2-T-3	118
570-75768-6	Unit-2-T-4	114
570-75768-7 - DL	Unit-1-T-1	113
570-75768-8	Unit-1-T-2	98
570-75768-9	Unit-1-T-3	109
570-75768-10	Unit-1-T-4	120
570-75768-11 - DL	Unit-1-T-5	120
LCS 570-194244/2-A	Lab Control Sample	108
LCS 570-194295/2-A	Lab Control Sample	111
LCSD 570-194244/3-A	Lab Control Sample Dup	116
LCSD 570-194295/3-A	Lab Control Sample Dup	113
MB 570-194244/1-A	Method Blank	120
MB 570-194295/1-A	Method Blank	112

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
570-75768-1	Unit-1-SST(S)	79	122
570-75768-1 - DL2	Unit-1-SST(S)	96	123
570-75768-2	Unit-1-LT(N)	69	82
570-75768-3	Unit-2-T-1	63	72
570-75768-4	Unit-2-T-2	71	83
570-75768-5	Unit-2-T-3	55	69
570-75768-6	Unit-2-T-4	68	86
570-75768-7	Unit-1-T-1	64	79
570-75768-8	Unit-1-T-2	66	81
570-75768-9	Unit-1-T-3	49	61
570-75768-10	Unit-1-T-4	66	78
570-75768-11	Unit-1-T-5	60	73
570-75838-A-2-B MS	Matrix Spike	78	70
570-75838-A-2-C MSD	Matrix Spike Duplicate	80	87
LCS 570-194353/2-A	Lab Control Sample	77	67
LCSD 570-194353/3-A	Lab Control Sample Dup	85	78
MB 570-194353/1-A	Method Blank	87	100

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

Surrogate Summary

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-194244/1-A
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C9-C10	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C11-C12	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C13-C14	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C15-C16	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C17-C18	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C19-C20	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C21-C22	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C23-C24	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C25-C28	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C29-C32	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C33-C36	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C37-C40	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C41-C44	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
C6-C44	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		11/15/21 09:38	11/15/21 17:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*60 - 138*	*11/15/21 09:38*	*11/15/21 17:17*	*1*

Lab Sample ID: LCS 570-194244/2-A
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	447.6		mg/Kg		112	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: LCSD 570-194244/3-A
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	478.6		mg/Kg		120	80 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*116*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-291495-A-1-A MS
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		397	505.6		mg/Kg		127	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Lab Sample ID: 440-291495-A-1-B MSD
Matrix: Solid
Analysis Batch: 194260

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		396	515.9		mg/Kg		130	43 - 165	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*130*		*60 - 138*

Lab Sample ID: MB 570-194295/1-A
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C7 as C7	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C8 as C8	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C9-C10	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C11-C12	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C13-C14	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C15-C16	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C17-C18	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C19-C20	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C21-C22	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C23-C24	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C25-C28	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C29-C32	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C33-C36	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C37-C40	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C41-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
C6-C44	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		11/15/21 11:41	11/16/21 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 138*	*11/15/21 11:41*	*11/16/21 13:44*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-194295/2-A
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194295

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	441.9		mg/Kg		110	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*111*		*60 - 138*

Lab Sample ID: LCSD 570-194295/3-A
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194295

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	452.4		mg/Kg		113	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*113*		*60 - 138*

Lab Sample ID: 570-75742-A-5-A MS
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	13		399	455.4		mg/Kg		111	43 - 165		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*113*		*60 - 138*

Lab Sample ID: 570-75742-A-5-B MSD
Matrix: Solid
Analysis Batch: 194262

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	13		399	449.7		mg/Kg		109	43 - 165	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*111*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-194353/1-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1221	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1232	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 570-194353/1-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1242	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1248	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1254	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1260	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1262	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1
Aroclor-1268	ND		50		ug/Kg		11/15/21 16:07	11/16/21 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 126*	*11/15/21 16:07*	*11/16/21 12:45*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*20 - 155*	*11/15/21 16:07*	*11/16/21 12:45*	*1*

Lab Sample ID: LCS 570-194353/2-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	82.97		ug/Kg		83	50 - 142
Aroclor-1260	100	76.18		ug/Kg		76	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*77*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*67*		*20 - 155*

Lab Sample ID: LCSD 570-194353/3-A
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194353

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	100	99.59		ug/Kg		100	50 - 142	18	30
Aroclor-1260	100	86.54		ug/Kg		87	50 - 150	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*85*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*

Lab Sample ID: 570-75838-A-2-B MS
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194353

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.3	90.02		ug/Kg		91	20 - 175
Aroclor-1260	ND		99.3	81.22		ug/Kg		82	20 - 180

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*70*		*20 - 155*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 570-75838-A-2-C MSD
Matrix: Solid
Analysis Batch: 194476

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194353

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.5	96.73		ug/Kg		97	20 - 175	7	40
Aroclor-1260	ND		99.5	96.30		ug/Kg		97	20 - 180	17	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*80*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*87*		*20 - 155*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-195080/1-A
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 195080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Arsenic	ND		2.51		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Barium	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Beryllium	ND		0.251		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Cadmium	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Cobalt	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Chromium	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Copper	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Molybdenum	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Nickel	ND		0.503		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Antimony	ND		3.02		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Selenium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Thallium	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Vanadium	ND		1.01		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Zinc	ND		10.1		mg/Kg		11/18/21 05:10	11/18/21 13:59	1
Lead	ND		5.03		mg/Kg		11/18/21 05:10	11/18/21 13:59	1

Lab Sample ID: LCS 570-195080/2-A
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.3	11.09		mg/Kg		90	80 - 120
Arsenic	24.6	22.61		mg/Kg		92	80 - 120
Barium	24.6	28.02		mg/Kg		114	80 - 120
Beryllium	24.6	25.35		mg/Kg		103	80 - 120
Cadmium	24.6	26.33		mg/Kg		107	80 - 120
Cobalt	24.6	26.06		mg/Kg		106	80 - 120
Chromium	24.6	25.53		mg/Kg		104	80 - 120
Copper	24.6	25.56		mg/Kg		104	80 - 120
Molybdenum	24.7	23.67		mg/Kg		96	80 - 120
Nickel	24.6	26.84		mg/Kg		109	80 - 120
Antimony	24.6	25.30		mg/Kg		103	80 - 120
Selenium	24.6	25.76		mg/Kg		105	80 - 120
Thallium	24.6	27.76		mg/Kg		113	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-195080/2-A
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	24.6	25.90		mg/Kg		105	80 - 120
Zinc	24.6	26.31		mg/Kg		107	80 - 120
Lead	24.6	27.08		mg/Kg		110	80 - 120

Lab Sample ID: LCSD 570-195080/3-A
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.5	11.35		mg/Kg		91	80 - 120	2	20
Arsenic	25.0	23.14		mg/Kg		93	80 - 120	2	20
Barium	25.0	28.55		mg/Kg		114	80 - 120	2	20
Beryllium	25.0	25.85		mg/Kg		103	80 - 120	2	20
Cadmium	25.0	26.96		mg/Kg		108	80 - 120	2	20
Cobalt	25.0	26.64		mg/Kg		107	80 - 120	2	20
Chromium	25.0	26.04		mg/Kg		104	80 - 120	2	20
Copper	25.0	26.12		mg/Kg		104	80 - 120	2	20
Molybdenum	25.0	25.60		mg/Kg		102	80 - 120	8	20
Nickel	25.0	27.42		mg/Kg		110	80 - 120	2	20
Antimony	25.0	26.37		mg/Kg		105	80 - 120	4	20
Selenium	25.0	27.34		mg/Kg		109	80 - 120	6	20
Thallium	25.0	28.70		mg/Kg		115	80 - 120	3	20
Vanadium	25.0	26.43		mg/Kg		106	80 - 120	2	20
Zinc	25.0	27.03		mg/Kg		108	80 - 120	3	20
Lead	25.0	27.84		mg/Kg		111	80 - 120	3	20

Lab Sample ID: 570-75768-1 MS
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Unit-1-SST(S)
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.6	14.30		mg/Kg		114	75 - 125
Arsenic	ND		25.1	25.04		mg/Kg		100	75 - 125
Barium	82.2	F1	25.1	126.5	F1	mg/Kg		176	75 - 125
Beryllium	0.359		25.1	27.69		mg/Kg		109	75 - 125
Cadmium	1.07		25.1	26.21		mg/Kg		100	75 - 125
Cobalt	6.48		25.1	30.95		mg/Kg		97	75 - 125
Chromium	12.6		25.1	40.57		mg/Kg		111	75 - 125
Copper	12.6	F1	25.1	44.54	F1	mg/Kg		127	75 - 125
Molybdenum	ND		25.2	19.25		mg/Kg		76	75 - 125
Nickel	11.2		25.1	37.48		mg/Kg		105	75 - 125
Antimony	ND	F1	25.1	11.29	F1	mg/Kg		45	75 - 125
Selenium	ND		25.1	23.82		mg/Kg		95	75 - 125
Thallium	ND		25.1	22.59		mg/Kg		90	75 - 125
Vanadium	31.0		25.1	62.34		mg/Kg		125	75 - 125
Zinc	65.5		25.1	93.00		mg/Kg		109	75 - 125
Lead	ND		25.1	29.84		mg/Kg		119	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-75768-1 MSD
Matrix: Solid
Analysis Batch: 195286

Client Sample ID: Unit-1-SST(S)
Prep Type: Total/NA
Prep Batch: 195080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.2	13.85		mg/Kg		114	75 - 125	3	20
Arsenic	ND		24.4	25.64		mg/Kg		105	75 - 125	2	20
Barium	82.2	F1	24.4	122.0	F1	mg/Kg		163	75 - 125	4	20
Beryllium	0.359		24.4	26.60		mg/Kg		108	75 - 125	4	20
Cadmium	1.07		24.4	25.14		mg/Kg		99	75 - 125	4	20
Cobalt	6.48		24.4	29.92		mg/Kg		96	75 - 125	3	20
Chromium	12.6		24.4	39.02		mg/Kg		108	75 - 125	4	20
Copper	12.6	F1	24.4	43.38	F1	mg/Kg		126	75 - 125	3	20
Molybdenum	ND		24.4	18.81		mg/Kg		77	75 - 125	2	20
Nickel	11.2		24.4	36.12		mg/Kg		102	75 - 125	4	20
Antimony	ND	F1	24.4	11.21	F1	mg/Kg		46	75 - 125	1	20
Selenium	ND		24.4	22.27		mg/Kg		91	75 - 125	7	20
Thallium	ND		24.4	21.82		mg/Kg		89	75 - 125	3	20
Vanadium	31.0		24.4	60.12		mg/Kg		119	75 - 125	4	20
Zinc	65.5		24.4	89.30		mg/Kg		98	75 - 125	4	20
Lead	ND		24.4	28.57		mg/Kg		117	75 - 125	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-195081/1-A
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 195081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		11/18/21 05:53	11/18/21 11:21	1

Lab Sample ID: LCS 570-195081/2-A
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.7281		mg/Kg		87	85 - 121

Lab Sample ID: LCSD 570-195081/3-A
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 195081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.847	0.7276		mg/Kg		86	85 - 121	0	10

Lab Sample ID: 570-75768-1 MS
Matrix: Solid
Analysis Batch: 195209

Client Sample ID: Unit-1-SST(S)
Prep Type: Total/NA
Prep Batch: 195081

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.833	0.7221		mg/Kg		84	71 - 137

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-75768-1 MSD
Client Sample ID: Unit-1-SST(S)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 195209
Prep Batch: 195081

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.862	0.7531		mg/Kg		85	71 - 137	4	14

GC Semi VOA

Prep Batch: 194244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-11 - DL	Unit-1-T-5	Total/NA	Solid	3550C	
MB 570-194244/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-194244/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-194244/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
440-291495-A-1-A MS	Matrix Spike	Total/NA	Solid	3550C	
440-291495-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 194260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-194244/1-A	Method Blank	Total/NA	Solid	8015B	194244
LCS 570-194244/2-A	Lab Control Sample	Total/NA	Solid	8015B	194244
LCSD 570-194244/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	194244
440-291495-A-1-A MS	Matrix Spike	Total/NA	Solid	8015B	194244
440-291495-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	194244

Analysis Batch: 194262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	8015B	194295
570-75768-4	Unit-2-T-2	Total/NA	Solid	8015B	194295
570-75768-5	Unit-2-T-3	Total/NA	Solid	8015B	194295
570-75768-6	Unit-2-T-4	Total/NA	Solid	8015B	194295
570-75768-8	Unit-1-T-2	Total/NA	Solid	8015B	194295
570-75768-9	Unit-1-T-3	Total/NA	Solid	8015B	194295
MB 570-194295/1-A	Method Blank	Total/NA	Solid	8015B	194295
LCS 570-194295/2-A	Lab Control Sample	Total/NA	Solid	8015B	194295
LCSD 570-194295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	194295
570-75742-A-5-A MS	Matrix Spike	Total/NA	Solid	8015B	194295
570-75742-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	194295

Prep Batch: 194295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - RA	Unit-1-SST(S)	Total/NA	Solid	3550C	
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	3550C	
570-75768-3 - DL	Unit-2-T-1	Total/NA	Solid	3550C	
570-75768-4	Unit-2-T-2	Total/NA	Solid	3550C	
570-75768-5	Unit-2-T-3	Total/NA	Solid	3550C	
570-75768-6	Unit-2-T-4	Total/NA	Solid	3550C	
570-75768-7 - DL	Unit-1-T-1	Total/NA	Solid	3550C	
570-75768-8	Unit-1-T-2	Total/NA	Solid	3550C	
570-75768-9	Unit-1-T-3	Total/NA	Solid	3550C	
570-75768-10	Unit-1-T-4	Total/NA	Solid	3550C	
MB 570-194295/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-194295/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-194295/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-75742-A-5-A MS	Matrix Spike	Total/NA	Solid	3550C	
570-75742-A-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Prep Batch: 194353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - DL2	Unit-1-SST(S)	Total/NA	Solid	3546	
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 194353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	3546	
570-75768-3	Unit-2-T-1	Total/NA	Solid	3546	
570-75768-4	Unit-2-T-2	Total/NA	Solid	3546	
570-75768-5	Unit-2-T-3	Total/NA	Solid	3546	
570-75768-6	Unit-2-T-4	Total/NA	Solid	3546	
570-75768-7	Unit-1-T-1	Total/NA	Solid	3546	
570-75768-8	Unit-1-T-2	Total/NA	Solid	3546	
570-75768-9	Unit-1-T-3	Total/NA	Solid	3546	
570-75768-10	Unit-1-T-4	Total/NA	Solid	3546	
570-75768-11	Unit-1-T-5	Total/NA	Solid	3546	
MB 570-194353/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-194353/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-194353/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-75838-A-2-B MS	Matrix Spike	Total/NA	Solid	3546	
570-75838-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 194476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	8082	194353
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	8082	194353
570-75768-3	Unit-2-T-1	Total/NA	Solid	8082	194353
570-75768-4	Unit-2-T-2	Total/NA	Solid	8082	194353
570-75768-5	Unit-2-T-3	Total/NA	Solid	8082	194353
570-75768-6	Unit-2-T-4	Total/NA	Solid	8082	194353
570-75768-7	Unit-1-T-1	Total/NA	Solid	8082	194353
570-75768-8	Unit-1-T-2	Total/NA	Solid	8082	194353
570-75768-9	Unit-1-T-3	Total/NA	Solid	8082	194353
570-75768-10	Unit-1-T-4	Total/NA	Solid	8082	194353
570-75768-11	Unit-1-T-5	Total/NA	Solid	8082	194353
MB 570-194353/1-A	Method Blank	Total/NA	Solid	8082	194353
LCS 570-194353/2-A	Lab Control Sample	Total/NA	Solid	8082	194353
LCSD 570-194353/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	194353
570-75838-A-2-B MS	Matrix Spike	Total/NA	Solid	8082	194353
570-75838-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	194353

Analysis Batch: 194691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - RA	Unit-1-SST(S)	Total/NA	Solid	8015B	194295
570-75768-3 - DL	Unit-2-T-1	Total/NA	Solid	8015B	194295
570-75768-7 - DL	Unit-1-T-1	Total/NA	Solid	8015B	194295
570-75768-11 - DL	Unit-1-T-5	Total/NA	Solid	8015B	194244

Analysis Batch: 194713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-10	Unit-1-T-4	Total/NA	Solid	8015B	194295

Analysis Batch: 194782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1 - DL2	Unit-1-SST(S)	Total/NA	Solid	8082	194353

Metals

Prep Batch: 195080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	3050B	
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	3050B	
570-75768-3	Unit-2-T-1	Total/NA	Solid	3050B	
570-75768-4	Unit-2-T-2	Total/NA	Solid	3050B	
570-75768-5	Unit-2-T-3	Total/NA	Solid	3050B	
570-75768-6	Unit-2-T-4	Total/NA	Solid	3050B	
570-75768-7	Unit-1-T-1	Total/NA	Solid	3050B	
570-75768-8	Unit-1-T-2	Total/NA	Solid	3050B	
570-75768-9	Unit-1-T-3	Total/NA	Solid	3050B	
570-75768-10	Unit-1-T-4	Total/NA	Solid	3050B	
570-75768-11	Unit-1-T-5	Total/NA	Solid	3050B	
MB 570-195080/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-195080/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-195080/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	3050B	
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	3050B	

Prep Batch: 195081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	7471A	
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	7471A	
570-75768-3	Unit-2-T-1	Total/NA	Solid	7471A	
570-75768-4	Unit-2-T-2	Total/NA	Solid	7471A	
570-75768-5	Unit-2-T-3	Total/NA	Solid	7471A	
570-75768-6	Unit-2-T-4	Total/NA	Solid	7471A	
570-75768-7	Unit-1-T-1	Total/NA	Solid	7471A	
570-75768-8	Unit-1-T-2	Total/NA	Solid	7471A	
570-75768-9	Unit-1-T-3	Total/NA	Solid	7471A	
570-75768-10	Unit-1-T-4	Total/NA	Solid	7471A	
570-75768-11	Unit-1-T-5	Total/NA	Solid	7471A	
MB 570-195081/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-195081/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-195081/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	7471A	
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	7471A	

Analysis Batch: 195209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	7471A	195081
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	7471A	195081
570-75768-3	Unit-2-T-1	Total/NA	Solid	7471A	195081
570-75768-4	Unit-2-T-2	Total/NA	Solid	7471A	195081
570-75768-5	Unit-2-T-3	Total/NA	Solid	7471A	195081
570-75768-6	Unit-2-T-4	Total/NA	Solid	7471A	195081
570-75768-7	Unit-1-T-1	Total/NA	Solid	7471A	195081
570-75768-8	Unit-1-T-2	Total/NA	Solid	7471A	195081
570-75768-9	Unit-1-T-3	Total/NA	Solid	7471A	195081
570-75768-10	Unit-1-T-4	Total/NA	Solid	7471A	195081
570-75768-11	Unit-1-T-5	Total/NA	Solid	7471A	195081
MB 570-195081/1-A	Method Blank	Total/NA	Solid	7471A	195081
LCS 570-195081/2-A	Lab Control Sample	Total/NA	Solid	7471A	195081

Metals (Continued)

Analysis Batch: 195209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-195081/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	195081
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	7471A	195081
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	7471A	195081

Analysis Batch: 195286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-75768-1	Unit-1-SST(S)	Total/NA	Solid	6010B	195080
570-75768-2	Unit-1-LT(N)	Total/NA	Solid	6010B	195080
570-75768-3	Unit-2-T-1	Total/NA	Solid	6010B	195080
570-75768-4	Unit-2-T-2	Total/NA	Solid	6010B	195080
570-75768-5	Unit-2-T-3	Total/NA	Solid	6010B	195080
570-75768-6	Unit-2-T-4	Total/NA	Solid	6010B	195080
570-75768-7	Unit-1-T-1	Total/NA	Solid	6010B	195080
570-75768-8	Unit-1-T-2	Total/NA	Solid	6010B	195080
570-75768-9	Unit-1-T-3	Total/NA	Solid	6010B	195080
570-75768-10	Unit-1-T-4	Total/NA	Solid	6010B	195080
570-75768-11	Unit-1-T-5	Total/NA	Solid	6010B	195080
MB 570-195080/1-A	Method Blank	Total/NA	Solid	6010B	195080
LCS 570-195080/2-A	Lab Control Sample	Total/NA	Solid	6010B	195080
LCSD 570-195080/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	195080
570-75768-1 MS	Unit-1-SST(S)	Total/NA	Solid	6010B	195080
570-75768-1 MSD	Unit-1-SST(S)	Total/NA	Solid	6010B	195080

Client Sample ID: Unit-1-SST(S)

Lab Sample ID: 570-75768-1

Date Collected: 11/12/21 07:37

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	RA		10.00 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B	RA	1			194691	11/17/21 04:33	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			20.06 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 18:08	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL2		20.06 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082	DL2	500			194782	11/17/21 10:37	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.94 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:15	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:27	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-LT(N)

Lab Sample ID: 570-75768-2

Date Collected: 11/12/21 07:48

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.02 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 15:15	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.08 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 18:26	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:22	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:32	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-1

Lab Sample ID: 570-75768-3

Date Collected: 11/12/21 08:45

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	DL		10.03 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B	DL	10			194691	11/17/21 05:00	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			19.97 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 18:44	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Client Sample ID: Unit-2-T-1

Date Collected: 11/12/21 08:45
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:24	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.60 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:34	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-2

Date Collected: 11/12/21 08:55
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.00 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 16:01	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			19.99 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:02	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:27	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.57 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:36	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-3

Date Collected: 11/12/21 09:02
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.05 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 16:23	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.13 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:20	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.96 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:29	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.60 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:38	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-T-4

Lab Sample ID: 570-75768-6

Date Collected: 11/12/21 09:12

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.06 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 16:46	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.11 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:38	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:31	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:43	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-1

Lab Sample ID: 570-75768-7

Date Collected: 11/12/21 09:35

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	DL		10.03 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B	DL	5			194691	11/17/21 05:28	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			20.16 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 19:56	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.95 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:34	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:45	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-2

Lab Sample ID: 570-75768-8

Date Collected: 11/12/21 09:48

Matrix: Solid

Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.00 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 17:31	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.12 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 20:14	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.04 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:36	ULPF	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Client Sample ID: Unit-1-T-2

Date Collected: 11/12/21 09:48
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.60 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:47	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-3

Date Collected: 11/12/21 10:00
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.02 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		1			194262	11/16/21 18:02	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.15 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 20:31	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:53	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:49	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-T-4

Date Collected: 11/12/21 10:15
Date Received: 11/12/21 13:32

Lab Sample ID: 570-75768-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.05 g	10 mL	194295	11/15/21 11:41	UWCT	ECL 1
Total/NA	Analysis	8015B		5			194713	11/16/21 21:53	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.11 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 20:50	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.10 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:55	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.63 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:51	VWJ7	ECL 1
	Instrument ID: HG8									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Client Sample ID: Unit-1-T-5
Lab Sample ID: 570-75768-11
Date Collected: 11/12/21 10:28
Matrix: Solid
Date Received: 11/12/21 13:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	DL		10.02 g	10 mL	194244	11/15/21 09:38	UFLU	ECL 1
Total/NA	Analysis	8015B	DL	10			194691	11/17/21 05:54	A1W	ECL 1
	Instrument ID: GC70A									
Total/NA	Prep	3546			20.16 g	10 mL	194353	11/15/21 16:07	USUL	ECL 1
Total/NA	Analysis	8082		1			194476	11/16/21 21:07	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	100 mL	195080	11/18/21 05:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			195286	11/18/21 14:57	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	195081	11/18/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			195209	11/18/21 11:53	VWJ7	ECL 1
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc.
Job ID: 570-75768-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-75768-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-75768-1	Unit-1-SST(S)	Solid	11/12/21 07:37	11/12/21 13:32
570-75768-2	Unit-1-LT(N)	Solid	11/12/21 07:48	11/12/21 13:32
570-75768-3	Unit-2-T-1	Solid	11/12/21 08:45	11/12/21 13:32
570-75768-4	Unit-2-T-2	Solid	11/12/21 08:55	11/12/21 13:32
570-75768-5	Unit-2-T-3	Solid	11/12/21 09:02	11/12/21 13:32
570-75768-6	Unit-2-T-4	Solid	11/12/21 09:12	11/12/21 13:32
570-75768-7	Unit-1-T-1	Solid	11/12/21 09:35	11/12/21 13:32
570-75768-8	Unit-1-T-2	Solid	11/12/21 09:48	11/12/21 13:32
570-75768-9	Unit-1-T-3	Solid	11/12/21 10:00	11/12/21 13:32
570-75768-10	Unit-1-T-4	Solid	11/12/21 10:15	11/12/21 13:32
570-75768-11	Unit-1-T-5	Solid	11/12/21 10:28	11/12/21 13:32

75768

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7440 Lincoln Way Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus com or call us

570-75768 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 11/12/21

PAGE: 1 OF 2

LABORATORY CLIENT: Roux Associates, Inc	CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000
ADDRESS: 5150 Pacific Coast Hwy, Suite 450	PO NO:
CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804	PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi
TEL: (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL: mnelson@rouxinc.com / dwilliams@rouxinc com / mnishibayashi@rouxinc.com	SAMPLER(S) (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	Notes:
1	Unit-1-SST(S)	11/12/21	0737	Conc. Powder	8oz Jar x 1						X								X		X		Interior
2	Unit-1-LT(N)		0748								X								X		X		Pads
3	Unit-2-T-1		0845								X								X		X		Numbered
4	Unit-2-T-2		0855								X								X		X		West
5	Unit-2-T-3		0902								X								X		X		to East
6	Unit-2-T-4		0912								X								X		X		
7	Unit-1-T-1		0935								X								X		X		Numbered
8	Unit-1-T-2		0948								X								X		X		West to
9	Unit-1-T-3		1000								X								X		X		East
10	Unit-1-T-4		1015								X								X		X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation) E CI	Date: 11-12-2021	Time: 17:32
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

06/02/14 Revision

4.3/5 2 SCS

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11/19/2021

75768

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 11/12/21

PAGE: 2 OF 2

LABORATORY CLIENT: Roux Associates, Inc

ADDRESS: 5150 Pacific Coast Hwy, Suite 450

CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804

TEL.: (818) 726-4265 / (610) 246-3352 / (818) 383-2312

E-MAIL.: mnelson@rouxinc com / dwilliams@rouxinc.com / mnishibayashi@rouxinc.com

CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000

PO NO:

PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi

SAMPLER(S) (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF

GLOBAL ID:

LOG CODE:

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	☒ TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	Notes:
11	Unit-1-T-5	11/12/21	1028	Conc. Powder	8 oz Jar x1	X					X								X		X		Eastern most Sample

Relinquished by: (Signature) — Received by: (Signature/Affiliation) ECI — Date: 11-12-2021 — Time: 13:32

Relinquished by: (Signature) — Received by: (Signature/Affiliation) — Date — Time

Relinquished by (Signature) — Received by (Signature/Affiliation) — Date — Time

06/02/14 Revision

11/19/2021

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-75768-1

Login Number: 75768
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-77265-1
Client Project/Site: Etiwanda Commerce Center/3653.0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
12/8/2021 6:36:32 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-77265-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-77265-1

Comments
No additional comments.

Receipt
The samples were received on 12/1/2021 8:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

GC Semi VOA
Method 8082: The following sample required a dilution due to the nature of the sample matrix: Unit-2-LT (570-77265-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-198771 and analytical batch 570-199382 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Client Sample ID: Unit-2-LT

Lab Sample ID: 570-77265-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C7 as C7	6.0		5.0		mg/Kg	1		8015B	Total/NA
C8 as C8	32		5.0		mg/Kg	1		8015B	Total/NA
C9-C10	34		5.0		mg/Kg	1		8015B	Total/NA
C11-C12	60		5.0		mg/Kg	1		8015B	Total/NA
C13-C14	47		5.0		mg/Kg	1		8015B	Total/NA
C15-C16	18		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	24		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	26		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	32		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	55		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	74		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	42		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	28		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	18		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	5.8		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	460		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	320		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	98000		25000		ug/Kg	500		8082	Total/NA
Arsenic	3.35		2.46		mg/Kg	1		6010B	Total/NA
Barium	74.8		0.493		mg/Kg	1		6010B	Total/NA
Cadmium	1.30		0.493		mg/Kg	1		6010B	Total/NA
Cobalt	4.41		0.985		mg/Kg	1		6010B	Total/NA
Chromium	16.4		0.985		mg/Kg	1		6010B	Total/NA
Copper	18.8		0.985		mg/Kg	1		6010B	Total/NA
Nickel	12.7		0.493		mg/Kg	1		6010B	Total/NA
Vanadium	24.6		0.985		mg/Kg	1		6010B	Total/NA
Zinc	179		9.85		mg/Kg	1		6010B	Total/NA
Lead	19.9		4.93		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST

Lab Sample ID: 570-77265-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C8 as C8	40		4.9		mg/Kg	1		8015B	Total/NA
C9-C10	44		4.9		mg/Kg	1		8015B	Total/NA
C11-C12	100		4.9		mg/Kg	1		8015B	Total/NA
C13-C14	78		4.9		mg/Kg	1		8015B	Total/NA
C15-C16	32		4.9		mg/Kg	1		8015B	Total/NA
C17-C18	42		4.9		mg/Kg	1		8015B	Total/NA
C19-C20	42		4.9		mg/Kg	1		8015B	Total/NA
C21-C22	47		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	72		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	100		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	62		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	42		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	29		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	8.9		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	710		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	510		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	46000		5000		ug/Kg	100		8082	Total/NA
Barium	56.7		0.481		mg/Kg	1		6010B	Total/NA
Cadmium	0.786		0.481		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Client Sample ID: Unit-2-SST (Continued)

Lab Sample ID: 570-77265-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.39		0.962		mg/Kg	1		6010B	Total/NA
Chromium	11.4		0.962		mg/Kg	1		6010B	Total/NA
Copper	8.89		0.962		mg/Kg	1		6010B	Total/NA
Nickel	9.04		0.481		mg/Kg	1		6010B	Total/NA
Vanadium	15.5		0.962		mg/Kg	1		6010B	Total/NA
Zinc	40.4		9.62		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1/2-RT

Lab Sample ID: 570-77265-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C8 as C8	27		5.0		mg/Kg	1		8015B	Total/NA
C9-C10	160		5.0		mg/Kg	1		8015B	Total/NA
C11-C12	190		5.0		mg/Kg	1		8015B	Total/NA
C13-C14	120		5.0		mg/Kg	1		8015B	Total/NA
C15-C16	48		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	66		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	57		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	50		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	71		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	130		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	91		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	62		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	43		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	13		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	1100		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	720		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	4600		500		ug/Kg	10		8082	Total/NA
Arsenic	4.12		2.63		mg/Kg	1		6010B	Total/NA
Barium	82.6		0.526		mg/Kg	1		6010B	Total/NA
Cadmium	1.41		0.526		mg/Kg	1		6010B	Total/NA
Cobalt	6.62		1.05		mg/Kg	1		6010B	Total/NA
Chromium	18.7		1.05		mg/Kg	1		6010B	Total/NA
Copper	23.9		1.05		mg/Kg	1		6010B	Total/NA
Nickel	16.2		0.526		mg/Kg	1		6010B	Total/NA
Vanadium	32.7		1.05		mg/Kg	1		6010B	Total/NA
Zinc	112		10.5		mg/Kg	1		6010B	Total/NA
Lead	8.88		5.26		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-1-SST

Lab Sample ID: 570-77265-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C8 as C8	11		5.0		mg/Kg	1		8015B	Total/NA
C9-C10	12		5.0		mg/Kg	1		8015B	Total/NA
C11-C12	35		5.0		mg/Kg	1		8015B	Total/NA
C13-C14	35		5.0		mg/Kg	1		8015B	Total/NA
C15-C16	13		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	17		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	18		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	18		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	24		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	41		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	29		5.0		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-1-SST (Continued)
Lab Sample ID: 570-77265-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C33-C36	19		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	15		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	5.4		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	260		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	180		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	8300		5000		ug/Kg	100		8082	Total/NA
Barium	49.7		0.476		mg/Kg	1		6010B	Total/NA
Cadmium	0.652		0.476		mg/Kg	1		6010B	Total/NA
Cobalt	3.54		0.952		mg/Kg	1		6010B	Total/NA
Chromium	11.5		0.952		mg/Kg	1		6010B	Total/NA
Copper	9.27		0.952		mg/Kg	1		6010B	Total/NA
Nickel	8.96		0.476		mg/Kg	1		6010B	Total/NA
Vanadium	17.4		0.952		mg/Kg	1		6010B	Total/NA
Zinc	34.6		9.52		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-5-T (W)
Lab Sample ID: 570-77265-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C14	6.1		4.9		mg/Kg	1		8015B	Total/NA
C15-C16	45		4.9		mg/Kg	1		8015B	Total/NA
C17-C18	210		4.9		mg/Kg	1		8015B	Total/NA
C19-C20	350		4.9		mg/Kg	1		8015B	Total/NA
C21-C22	220		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	98		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	53		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	960		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	960		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.71		2.45		mg/Kg	1		6010B	Total/NA
Barium	41.3		0.490		mg/Kg	1		6010B	Total/NA
Cadmium	1.80		0.490		mg/Kg	1		6010B	Total/NA
Cobalt	3.12		0.980		mg/Kg	1		6010B	Total/NA
Chromium	10.1		0.980		mg/Kg	1		6010B	Total/NA
Copper	9.98		0.980		mg/Kg	1		6010B	Total/NA
Nickel	5.36		0.490		mg/Kg	1		6010B	Total/NA
Vanadium	12.8		0.980		mg/Kg	1		6010B	Total/NA
Zinc	60.2		9.80		mg/Kg	1		6010B	Total/NA
Lead	5.90		4.90		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-5-T (E)
Lab Sample ID: 570-77265-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C15-C16	9.3		5.0		mg/Kg	1		8015B	Total/NA
C17-C18	37		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	60		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	44		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	24		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	22		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	180		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	180		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	6.28		2.54		mg/Kg	1		6010B	Total/NA
Barium	106		0.508		mg/Kg	1		6010B	Total/NA
Cadmium	0.671		0.508		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-5-T (E) (Continued)

Lab Sample ID: 570-77265-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	8.20		1.02		mg/Kg	1		6010B	Total/NA
Chromium	24.2		1.02		mg/Kg	1		6010B	Total/NA
Copper	21.7		1.02		mg/Kg	1		6010B	Total/NA
Nickel	12.8		0.508		mg/Kg	1		6010B	Total/NA
Vanadium	40.8		1.02		mg/Kg	1		6010B	Total/NA
Zinc	52.8		10.2		mg/Kg	1		6010B	Total/NA
Lead	6.20		5.08		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C7 as C7	**6.0**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C8 as C8	**32**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C9-C10	**34**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C11-C12	**60**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C13-C14	**47**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C15-C16	**18**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C17-C18	**24**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C19-C20	**26**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C21-C22	**32**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C23-C24	**55**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C25-C28	**74**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C29-C32	**42**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C33-C36	**28**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C37-C40	**18**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C41-C44	**5.8**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
C6-C44	**460**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1
Diesel Range Organics [C10-C28]	**320**		5.0		mg/Kg		12/06/21 21:04	12/07/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*64*		*60 - 138*	*12/06/21 21:04*	*12/07/21 18:55*	*1*

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C7 as C7	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C8 as C8	**40**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C9-C10	**44**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C11-C12	**100**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C13-C14	**78**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C15-C16	**32**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C17-C18	**42**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C19-C20	**42**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C21-C22	**47**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C23-C24	**72**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C25-C28	**100**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C29-C32	**62**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C33-C36	**42**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C37-C40	**29**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C41-C44	**8.9**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
C6-C44	**710**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1
Diesel Range Organics [C10-C28]	**510**		4.9		mg/Kg		12/06/21 21:04	12/07/21 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*77*		*60 - 138*	*12/06/21 21:04*	*12/07/21 19:16*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C8 as C8	27		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C9-C10	160		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C11-C12	190		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C13-C14	120		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C15-C16	48		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C17-C18	66		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C19-C20	57		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C21-C22	50		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C23-C24	71		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C25-C28	130		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C29-C32	91		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C33-C36	62		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C37-C40	43		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C41-C44	13		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
C6-C44	1100		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1
Diesel Range Organics [C10-C28]	720		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*84*		*60 - 138*	*12/06/21 21:04*	*12/07/21 19:37*	*1*

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C8 as C8	11		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C9-C10	12		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C11-C12	35		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C13-C14	35		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C15-C16	13		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C17-C18	17		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C19-C20	18		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C21-C22	18		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C23-C24	24		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C25-C28	41		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C29-C32	29		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C33-C36	19		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C37-C40	15		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C41-C44	5.4		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
C6-C44	260		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1
Diesel Range Organics [C10-C28]	180		5.0		mg/Kg		12/06/21 21:04	12/07/21 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*60 - 138*	*12/06/21 21:04*	*12/07/21 19:58*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-5-T (W)
Date Collected: 11/30/21 10:22
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C7 as C7	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C8 as C8	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C9-C10	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C11-C12	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C13-C14	**6.1**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C15-C16	**45**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C17-C18	**210**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C19-C20	**350**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C21-C22	**220**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C23-C24	**98**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C25-C28	**53**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C29-C32	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C33-C36	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C37-C40	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C41-C44	ND		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
C6-C44	**960**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1
Diesel Range Organics [C10-C28]	**960**		4.9		mg/Kg		12/06/21 21:04	12/07/21 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*75*		*60 - 138*	*12/06/21 21:04*	*12/07/21 20:19*	*1*

Client Sample ID: Unit-5-T (E)
Date Collected: 11/30/21 10:35
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C8 as C8	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C9-C10	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C11-C12	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C13-C14	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C15-C16	**9.3**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C17-C18	**37**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C19-C20	**60**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C21-C22	**44**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C23-C24	**24**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C25-C28	**22**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C29-C32	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C33-C36	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C37-C40	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C41-C44	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
C6-C44	**180**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1
Diesel Range Organics [C10-C28]	**180**		5.0		mg/Kg		12/06/21 21:04	12/07/21 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*74*		*60 - 138*	*12/06/21 21:04*	*12/07/21 20:40*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*12/02/21 12:41*	*12/03/21 19:44*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*20 - 155*	*12/02/21 12:41*	*12/03/21 19:44*	*1*

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*65*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:04*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:04*	*1*

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*67*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:22*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:22*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*61*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:40*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:40*	*1*

Client Sample ID: Unit-5-T (W)
Date Collected: 11/30/21 10:22
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1260	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*57*		*25 - 126*	*12/02/21 12:41*	*12/03/21 20:57*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*20 - 155*	*12/02/21 12:41*	*12/03/21 20:57*	*1*

Client Sample ID: Unit-5-T (E)
Date Collected: 11/30/21 10:35
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1260	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*64*		*25 - 126*	*12/02/21 12:41*	*12/03/21 21:15*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*	*12/02/21 12:41*	*12/03/21 21:15*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	98000		25000		ug/Kg		12/02/21 12:41	12/06/21 10:13	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*86*		*25 - 126*	*12/02/21 12:41*	*12/06/21 10:13*	*500*
DCB Decachlorobiphenyl (Surr)	*6034*	*S1+*	*20 - 155*	*12/02/21 12:41*	*12/06/21 10:13*	*500*

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	46000		5000		ug/Kg		12/02/21 12:41	12/06/21 12:03	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*95*		*25 - 126*	*12/02/21 12:41*	*12/06/21 12:03*	*100*
DCB Decachlorobiphenyl (Surr)	*95*		*20 - 155*	*12/02/21 12:41*	*12/06/21 12:03*	*100*

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	4600		500		ug/Kg		12/02/21 12:41	12/06/21 10:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*72*		*25 - 126*	*12/02/21 12:41*	*12/06/21 10:49*	*10*
DCB Decachlorobiphenyl (Surr)	*121*		*20 - 155*	*12/02/21 12:41*	*12/06/21 10:49*	*10*

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	8300		5000		ug/Kg		12/02/21 12:41	12/06/21 11:07	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*12/02/21 12:41*	*12/06/21 11:07*	*100*
DCB Decachlorobiphenyl (Surr)	*106*		*20 - 155*	*12/02/21 12:41*	*12/06/21 11:07*	*100*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Arsenic	**3.35**		2.46		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Barium	**74.8**		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Beryllium	ND		0.246		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Cadmium	**1.30**		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Cobalt	**4.41**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Chromium	**16.4**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Copper	**18.8**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Molybdenum	ND		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Nickel	**12.7**		0.493		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Antimony	ND		2.96		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Selenium	ND		4.93		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Thallium	ND		4.93		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Vanadium	**24.6**		0.985		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Zinc	**179**		9.85		mg/Kg		12/06/21 12:19	12/07/21 21:04	1
Lead	**19.9**		4.93		mg/Kg		12/06/21 12:19	12/07/21 21:04	1

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Arsenic	ND		2.40		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Barium	**56.7**		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Beryllium	ND		0.240		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Cadmium	**0.786**		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Cobalt	**3.39**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Chromium	**11.4**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Copper	**8.89**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Molybdenum	ND		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Nickel	**9.04**		0.481		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Antimony	ND		2.88		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Selenium	ND		4.81		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Thallium	ND		4.81		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Vanadium	**15.5**		0.962		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Zinc	**40.4**		9.62		mg/Kg		12/06/21 12:19	12/07/21 21:07	1
Lead	ND		4.81		mg/Kg		12/06/21 12:19	12/07/21 21:07	1

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Arsenic	**4.12**		2.63		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Barium	**82.6**		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Beryllium	ND		0.263		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Cadmium	**1.41**		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Cobalt	**6.62**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Chromium	**18.7**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Copper	**23.9**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Nickel	**16.2**		0.526		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Antimony	ND		3.16		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Selenium	ND		5.26		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Thallium	ND		5.26		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Vanadium	**32.7**		1.05		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Zinc	**112**		10.5		mg/Kg		12/06/21 12:19	12/07/21 21:15	1
Lead	**8.88**		5.26		mg/Kg		12/06/21 12:19	12/07/21 21:15	1

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Arsenic	ND		2.38		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Barium	**49.7**		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Beryllium	ND		0.238		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Cadmium	**0.652**		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Cobalt	**3.54**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Chromium	**11.5**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Copper	**9.27**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Molybdenum	ND		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Nickel	**8.96**		0.476		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Antimony	ND		2.86		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Selenium	ND		4.76		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Thallium	ND		4.76		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Vanadium	**17.4**		0.952		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Zinc	**34.6**		9.52		mg/Kg		12/06/21 12:19	12/07/21 21:18	1
Lead	ND		4.76		mg/Kg		12/06/21 12:19	12/07/21 21:18	1

Client Sample ID: Unit-5-T (W)
Date Collected: 11/30/21 10:22
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Arsenic	**3.71**		2.45		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Barium	**41.3**		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Beryllium	ND		0.245		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Cadmium	**1.80**		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Cobalt	**3.12**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Chromium	**10.1**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Copper	**9.98**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Molybdenum	ND		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Nickel	**5.36**		0.490		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Antimony	ND		2.94		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Selenium	ND		4.90		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Thallium	ND		4.90		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Vanadium	**12.8**		0.980		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Zinc	**60.2**		9.80		mg/Kg		12/06/21 12:19	12/07/21 21:20	1
Lead	**5.90**		4.90		mg/Kg		12/06/21 12:19	12/07/21 21:20	1

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-5-T (E)
Date Collected: 11/30/21 10:35
Date Received: 12/01/21 08:55

Lab Sample ID: 570-77265-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Arsenic	**6.28**		2.54		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Barium	**106**		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Beryllium	ND		0.254		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Cadmium	**0.671**		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Cobalt	**8.20**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Chromium	**24.2**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Copper	**21.7**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Molybdenum	ND		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Nickel	**12.8**		0.508		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Antimony	ND		3.05		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Selenium	ND		5.08		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Thallium	ND		5.08		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Vanadium	**40.8**		1.02		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Zinc	**52.8**		10.2		mg/Kg		12/06/21 12:19	12/07/21 21:23	1
Lead	**6.20**		5.08		mg/Kg		12/06/21 12:19	12/07/21 21:23	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-LT
Date Collected: 11/30/21 08:33
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		12/06/21 09:33	12/07/21 13:32	1

Client Sample ID: Unit-2-SST
Date Collected: 11/30/21 08:58
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		12/06/21 09:33	12/07/21 13:33	1

Client Sample ID: Unit-1/2-RT
Date Collected: 11/30/21 09:28
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		12/06/21 09:33	12/07/21 13:39	1

Client Sample ID: Unit-1-SST
Date Collected: 11/30/21 09:37
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		12/06/21 09:33	12/07/21 13:41	1

Client Sample ID: Unit-5-T (W)
Date Collected: 11/30/21 10:22
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		12/06/21 09:33	12/07/21 13:43	1

Client Sample ID: Unit-5-T (E)
Date Collected: 11/30/21 10:35
Date Received: 12/01/21 08:55
Lab Sample ID: 570-77265-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877		mg/Kg		12/06/21 09:33	12/07/21 13:44	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-68625-A-2-AK MS	Matrix Spike	104
570-68625-A-2-AL MSD	Matrix Spike Duplicate	102
570-77265-1	Unit-2-LT	64
570-77265-2	Unit-2-SST	77
570-77265-3	Unit-1/2-RT	84
570-77265-4	Unit-1-SST	86
570-77265-5	Unit-5-T (W)	75
570-77265-6	Unit-5-T (E)	74
LCS 570-199014/2-A	Lab Control Sample	103
LCSD 570-199014/3-A	Lab Control Sample Dup	104
MB 570-199014/1-A	Method Blank	106

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
440-292162-B-1-D MS	Matrix Spike	64	61
440-292162-B-1-E MSD	Matrix Spike Duplicate	79	69
570-77265-1	Unit-2-LT	66	97
570-77265-1 - DL	Unit-2-LT	86	6034 S1+
570-77265-2	Unit-2-SST	65	73
570-77265-2 - DL	Unit-2-SST	95	95
570-77265-3	Unit-1/2-RT	67	76
570-77265-3 - DL	Unit-1/2-RT	72	121
570-77265-4	Unit-1-SST	61	81
570-77265-4 - DL	Unit-1-SST	66	106
570-77265-5	Unit-5-T (W)	57	74
570-77265-6	Unit-5-T (E)	64	82
LCS 570-198096/2-A	Lab Control Sample	68	81
LCSD 570-198096/3-A	Lab Control Sample Dup	68	81
MB 570-198096/1-A	Method Blank	70	86

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-199014/1-A
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C7 as C7	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C8 as C8	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C9-C10	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C11-C12	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C13-C14	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C15-C16	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C17-C18	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C19-C20	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C21-C22	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C23-C24	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C25-C28	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C29-C32	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C33-C36	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C37-C40	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C41-C44	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
C6-C44	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/06/21 21:04	12/07/21 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*106*		*60 - 138*	*12/06/21 21:04*	*12/07/21 14:43*	*1*

Lab Sample ID: LCS 570-199014/2-A
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	450.9		mg/Kg		113	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*103*		*60 - 138*

Lab Sample ID: LCSD 570-199014/3-A
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	461.0		mg/Kg		115	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-68625-A-2-AK MS
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	11		396	496.4		mg/Kg		122	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Lab Sample ID: 570-68625-A-2-AL MSD
Matrix: Solid
Analysis Batch: 199192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 199014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	11		394	489.1		mg/Kg		121	43 - 165	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*102*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-198096/1-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1221	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1232	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1242	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1248	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1254	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1260	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1262	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1
Aroclor-1268	ND		50		ug/Kg		12/02/21 12:41	12/03/21 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*70*		*25 - 126*	*12/02/21 12:41*	*12/03/21 15:50*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 155*	*12/02/21 12:41*	*12/03/21 15:50*	*1*

Lab Sample ID: LCS 570-198096/2-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	84.26		ug/Kg		84	50 - 142
Aroclor-1260	100	82.87		ug/Kg		83	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-198096/2-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198096

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	81		20 - 155

Lab Sample ID: LCSD 570-198096/3-A
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198096

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	84.10		ug/Kg		84	50 - 142	0	30
Aroclor-1260			100	82.67		ug/Kg		83	50 - 150	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	68		25 - 126
DCB Decachlorobiphenyl (Surr)	81		20 - 155

Lab Sample ID: 440-292162-B-1-D MS
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 198096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND	F2	99.6	84.88		ug/Kg		85	20 - 175
Aroclor-1260	ND		99.6	83.80		ug/Kg		84	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	64		25 - 126
DCB Decachlorobiphenyl (Surr)	61		20 - 155

Lab Sample ID: 440-292162-B-1-E MSD
Matrix: Solid
Analysis Batch: 198442

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND	F2	100	161.5	F2	ug/Kg		161	20 - 175	62	40
Aroclor-1260	ND		100	97.13		ug/Kg		97	20 - 180	5	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	79		25 - 126
DCB Decachlorobiphenyl (Surr)	69		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-198771/1-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Arsenic	ND		2.49		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Barium	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-198771/1-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.249		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Cadmium	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Cobalt	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Chromium	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Copper	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Molybdenum	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Nickel	ND		0.498		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Antimony	ND		2.99		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Selenium	ND		4.98		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Thallium	ND		4.98		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Vanadium	ND		0.995		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Zinc	ND		9.95		mg/Kg		12/06/21 12:19	12/08/21 10:08	1
Lead	ND		4.98		mg/Kg		12/06/21 12:19	12/08/21 10:08	1

Lab Sample ID: LCS 570-198771/2-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.6	13.24		mg/Kg		105	80 - 120
Arsenic	25.1	23.01		mg/Kg		92	80 - 120
Barium	25.1	24.08		mg/Kg		96	80 - 120
Beryllium	25.1	26.94		mg/Kg		107	80 - 120
Cadmium	25.1	25.25		mg/Kg		100	80 - 120
Cobalt	25.1	29.96		mg/Kg		119	80 - 120
Chromium	25.1	29.80		mg/Kg		119	80 - 120
Copper	25.1	25.06		mg/Kg		100	80 - 120
Molybdenum	25.2	24.63		mg/Kg		98	80 - 120
Nickel	25.1	27.72		mg/Kg		110	80 - 120
Antimony	25.1	26.35		mg/Kg		105	80 - 120
Selenium	25.1	25.19		mg/Kg		100	80 - 120
Thallium	25.1	27.93		mg/Kg		111	80 - 120
Vanadium	25.1	29.18		mg/Kg		116	80 - 120
Zinc	25.1	25.95		mg/Kg		103	80 - 120
Lead	25.1	26.39		mg/Kg		105	80 - 120

Lab Sample ID: LCSD 570-198771/3-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.3	12.93		mg/Kg		105	80 - 120	2	20
Arsenic	24.6	22.54		mg/Kg		91	80 - 120	2	20
Barium	24.6	23.61		mg/Kg		96	80 - 120	2	20
Beryllium	24.6	27.04		mg/Kg		110	80 - 120	0	20
Cadmium	24.6	24.84		mg/Kg		101	80 - 120	2	20
Cobalt	24.6	29.14		mg/Kg		118	80 - 120	3	20
Chromium	24.6	29.23		mg/Kg		119	80 - 120	2	20
Copper	24.6	24.58		mg/Kg		100	80 - 120	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-198771/3-A
Matrix: Solid
Analysis Batch: 199538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	24.7	24.22		mg/Kg		98	80 - 120	2	20
Nickel	24.6	28.07		mg/Kg		114	80 - 120	1	20
Antimony	24.6	25.69		mg/Kg		104	80 - 120	3	20
Selenium	24.6	24.81		mg/Kg		101	80 - 120	1	20
Thallium	24.6	27.30		mg/Kg		111	80 - 120	2	20
Vanadium	24.6	29.17		mg/Kg		118	80 - 120	0	20
Zinc	24.6	25.51		mg/Kg		104	80 - 120	2	20
Lead	24.6	26.19		mg/Kg		106	80 - 120	1	20

Lab Sample ID: 570-77091-A-1-J MS
Matrix: Solid
Analysis Batch: 199382

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.9	11.09		mg/Kg		86	75 - 125
Arsenic	3.70		25.8	27.04		mg/Kg		91	75 - 125
Barium	77.3		25.8	104.5		mg/Kg		105	75 - 125
Beryllium	ND		25.8	27.73		mg/Kg		108	75 - 125
Cadmium	ND		25.8	24.61		mg/Kg		94	75 - 125
Cobalt	11.4		25.8	35.36		mg/Kg		93	75 - 125
Chromium	27.1		25.8	55.19		mg/Kg		109	75 - 125
Copper	22.8		25.8	47.28		mg/Kg		95	75 - 125
Molybdenum	ND		25.8	20.56		mg/Kg		80	75 - 125
Nickel	20.8	B	25.8	47.53		mg/Kg		104	75 - 125
Antimony	ND	F1	25.8	7.604	F1	mg/Kg		30	75 - 125
Selenium	ND		25.8	25.09		mg/Kg		97	75 - 125
Thallium	ND		25.8	21.39		mg/Kg		83	75 - 125
Vanadium	38.3		25.8	60.28		mg/Kg		85	75 - 125
Zinc	56.0		25.8	81.44		mg/Kg		99	75 - 125
Lead	6.52		25.8	31.70		mg/Kg		98	75 - 125

Lab Sample ID: 570-77091-A-1-K MSD
Matrix: Solid
Analysis Batch: 199382

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.6	11.86		mg/Kg		94	75 - 125	7	20
Arsenic	3.70		25.1	29.20		mg/Kg		101	75 - 125	8	20
Barium	77.3		25.1	103.8		mg/Kg		105	75 - 125	1	20
Beryllium	ND		25.1	29.82		mg/Kg		119	75 - 125	7	20
Cadmium	ND		25.1	26.52		mg/Kg		104	75 - 125	7	20
Cobalt	11.4		25.1	37.27		mg/Kg		103	75 - 125	5	20
Chromium	27.1		25.1	57.91		mg/Kg		123	75 - 125	5	20
Copper	22.8		25.1	49.77		mg/Kg		107	75 - 125	5	20
Molybdenum	ND		25.2	22.36		mg/Kg		89	75 - 125	8	20
Nickel	20.8	B	25.1	49.65		mg/Kg		115	75 - 125	4	20
Antimony	ND	F1	25.1	7.900	F1	mg/Kg		31	75 - 125	4	20
Selenium	ND		25.1	26.89		mg/Kg		107	75 - 125	7	20
Thallium	ND		25.1	23.85		mg/Kg		95	75 - 125	11	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-77091-A-1-K MSD
Matrix: Solid
Analysis Batch: 199382

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	38.3		25.1	62.63		mg/Kg		97	75 - 125	4	20
Zinc	56.0		25.1	84.17		mg/Kg		112	75 - 125	3	20
Lead	6.52		25.1	33.54		mg/Kg		108	75 - 125	6	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-198779/1-A
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		12/06/21 09:33	12/07/21 13:17	1

Lab Sample ID: LCS 570-198779/2-A
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.847	0.8722		mg/Kg		103	85 - 121

Lab Sample ID: LCSD 570-198779/3-A
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.820	0.8343		mg/Kg		102	85 - 121	4	10

Lab Sample ID: 570-77091-A-1-M MS
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.862	0.7006		mg/Kg		81	71 - 137

Lab Sample ID: 570-77091-A-1-N MSD
Matrix: Solid
Analysis Batch: 199215

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 198779

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.794	0.6377		mg/Kg		80	71 - 137	9	14

GC Semi VOA

Cleanup Batch: 197540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68625-A-2-AK MS	Matrix Spike	Total/NA	Solid	Homogenize Prep	
570-68625-A-2-AL MSD	Matrix Spike Duplicate	Total/NA	Solid	Homogenize Prep	

Prep Batch: 198096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	3546	
570-77265-1 - DL	Unit-2-LT	Total/NA	Solid	3546	
570-77265-2	Unit-2-SST	Total/NA	Solid	3546	
570-77265-2 - DL	Unit-2-SST	Total/NA	Solid	3546	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	3546	
570-77265-3 - DL	Unit-1/2-RT	Total/NA	Solid	3546	
570-77265-4	Unit-1-SST	Total/NA	Solid	3546	
570-77265-4 - DL	Unit-1-SST	Total/NA	Solid	3546	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	3546	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	3546	
MB 570-198096/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-198096/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-198096/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
440-292162-B-1-D MS	Matrix Spike	Total/NA	Solid	3546	
440-292162-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 198442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	8082	198096
570-77265-2	Unit-2-SST	Total/NA	Solid	8082	198096
570-77265-3	Unit-1/2-RT	Total/NA	Solid	8082	198096
570-77265-4	Unit-1-SST	Total/NA	Solid	8082	198096
570-77265-5	Unit-5-T (W)	Total/NA	Solid	8082	198096
570-77265-6	Unit-5-T (E)	Total/NA	Solid	8082	198096
MB 570-198096/1-A	Method Blank	Total/NA	Solid	8082	198096
LCS 570-198096/2-A	Lab Control Sample	Total/NA	Solid	8082	198096
LCSD 570-198096/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	198096
440-292162-B-1-D MS	Matrix Spike	Total/NA	Solid	8082	198096
440-292162-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	198096

Analysis Batch: 198677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1 - DL	Unit-2-LT	Total/NA	Solid	8082	198096
570-77265-2 - DL	Unit-2-SST	Total/NA	Solid	8082	198096
570-77265-3 - DL	Unit-1/2-RT	Total/NA	Solid	8082	198096
570-77265-4 - DL	Unit-1-SST	Total/NA	Solid	8082	198096

Prep Batch: 199014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	3550C	
570-77265-2	Unit-2-SST	Total/NA	Solid	3550C	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	3550C	
570-77265-4	Unit-1-SST	Total/NA	Solid	3550C	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	3550C	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 199014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-199014/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-199014/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-199014/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-68625-A-2-AK MS	Matrix Spike	Total/NA	Solid	3550C	197540
570-68625-A-2-AL MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	197540

Analysis Batch: 199192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	8015B	199014
570-77265-2	Unit-2-SST	Total/NA	Solid	8015B	199014
570-77265-3	Unit-1/2-RT	Total/NA	Solid	8015B	199014
570-77265-4	Unit-1-SST	Total/NA	Solid	8015B	199014
570-77265-5	Unit-5-T (W)	Total/NA	Solid	8015B	199014
570-77265-6	Unit-5-T (E)	Total/NA	Solid	8015B	199014
MB 570-199014/1-A	Method Blank	Total/NA	Solid	8015B	199014
LCS 570-199014/2-A	Lab Control Sample	Total/NA	Solid	8015B	199014
LCSD 570-199014/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	199014
570-68625-A-2-AK MS	Matrix Spike	Total/NA	Solid	8015B	199014
570-68625-A-2-AL MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	199014

Metals

Prep Batch: 198771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	3050B	
570-77265-2	Unit-2-SST	Total/NA	Solid	3050B	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	3050B	
570-77265-4	Unit-1-SST	Total/NA	Solid	3050B	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	3050B	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	3050B	
MB 570-198771/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-198771/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-198771/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-77091-A-1-J MS	Matrix Spike	Total/NA	Solid	3050B	
570-77091-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 198779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	7471A	
570-77265-2	Unit-2-SST	Total/NA	Solid	7471A	
570-77265-3	Unit-1/2-RT	Total/NA	Solid	7471A	
570-77265-4	Unit-1-SST	Total/NA	Solid	7471A	
570-77265-5	Unit-5-T (W)	Total/NA	Solid	7471A	
570-77265-6	Unit-5-T (E)	Total/NA	Solid	7471A	
MB 570-198779/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-198779/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-198779/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-77091-A-1-M MS	Matrix Spike	Total/NA	Solid	7471A	
570-77091-A-1-N MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

QC Association Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Metals

Analysis Batch: 199215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	7471A	198779
570-77265-2	Unit-2-SST	Total/NA	Solid	7471A	198779
570-77265-3	Unit-1/2-RT	Total/NA	Solid	7471A	198779
570-77265-4	Unit-1-SST	Total/NA	Solid	7471A	198779
570-77265-5	Unit-5-T (W)	Total/NA	Solid	7471A	198779
570-77265-6	Unit-5-T (E)	Total/NA	Solid	7471A	198779
MB 570-198779/1-A	Method Blank	Total/NA	Solid	7471A	198779
LCS 570-198779/2-A	Lab Control Sample	Total/NA	Solid	7471A	198779
LCSD 570-198779/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	198779
570-77091-A-1-M MS	Matrix Spike	Total/NA	Solid	7471A	198779
570-77091-A-1-N MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	198779

Analysis Batch: 199382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-77265-1	Unit-2-LT	Total/NA	Solid	6010B	198771
570-77265-2	Unit-2-SST	Total/NA	Solid	6010B	198771
570-77265-3	Unit-1/2-RT	Total/NA	Solid	6010B	198771
570-77265-4	Unit-1-SST	Total/NA	Solid	6010B	198771
570-77265-5	Unit-5-T (W)	Total/NA	Solid	6010B	198771
570-77265-6	Unit-5-T (E)	Total/NA	Solid	6010B	198771
570-77091-A-1-J MS	Matrix Spike	Total/NA	Solid	6010B	198771
570-77091-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	198771

Analysis Batch: 199538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-198771/1-A	Method Blank	Total/NA	Solid	6010B	198771
LCS 570-198771/2-A	Lab Control Sample	Total/NA	Solid	6010B	198771
LCSD 570-198771/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	198771

Lab Chronicle

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Client Sample ID: Unit-2-LT

Lab Sample ID: 570-77265-1

Date Collected: 11/30/21 08:33
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 18:55	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.06 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 19:44	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.06 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	500			198677	12/06/21 10:13	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:04	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.60 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:32	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST

Lab Sample ID: 570-77265-2

Date Collected: 11/30/21 08:58
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.13 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 19:16	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.11 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:04	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.11 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			198677	12/06/21 12:03	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.08 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:07	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.58 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:33	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1/2-RT

Lab Sample ID: 570-77265-3

Date Collected: 11/30/21 09:28
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 19:37	N5Y3	ECL 1
	Instrument ID: GC48									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Client Sample ID: Unit-1/2-RT
Lab Sample ID: 570-77265-3
Date Collected: 11/30/21 09:28
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.15 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:22	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.15 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	10			198677	12/06/21 10:49	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.90 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:15	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.62 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:39	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-SST
Lab Sample ID: 570-77265-4
Date Collected: 11/30/21 09:37
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 19:58	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.08 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:40	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.08 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			198677	12/06/21 11:07	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.10 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:18	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.59 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:41	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-5-T (W)
Lab Sample ID: 570-77265-5
Date Collected: 11/30/21 10:22
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.13 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 20:19	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.11 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 20:57	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Client Sample ID: Unit-5-T (W)
Lab Sample ID: 570-77265-5
Date Collected: 11/30/21 10:22
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:20	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.63 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:43	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-5-T (E)
Lab Sample ID: 570-77265-6
Date Collected: 11/30/21 10:35
Matrix: Solid
Date Received: 12/01/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.10 g	10 mL	199014	12/06/21 21:04	KG5J	ECL 1
Total/NA	Analysis	8015B		1			199192	12/07/21 20:40	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			19.98 g	10 mL	198096	12/02/21 12:41	USUL	ECL 1
Total/NA	Analysis	8082		1			198442	12/03/21 21:15	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	198771	12/06/21 12:19	WL8G	ECL 1
Total/NA	Analysis	6010B		1			199382	12/07/21 21:23	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.57 g	100 mL	198779	12/06/21 09:33	WL8G	ECL 1
Total/NA	Analysis	7471A		1			199215	12/07/21 13:44	VWJ7	ECL 1
	Instrument ID: HG8									

Laboratory References:
ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-77265-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Job ID: 570-77265-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-77265-1	Unit-2-LT	Solid	11/30/21 08:33	12/01/21 08:55
570-77265-2	Unit-2-SST	Solid	11/30/21 08:58	12/01/21 08:55
570-77265-3	Unit-1/2-RT	Solid	11/30/21 09:28	12/01/21 08:55
570-77265-4	Unit-1-SST	Solid	11/30/21 09:37	12/01/21 08:55
570-77265-5	Unit-5-T (W)	Solid	11/30/21 10:22	12/01/21 08:55
570-77265-6	Unit-5-T (E)	Solid	11/30/21 10:35	12/01/21 08:55

77265

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570-77265 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 11/30/2021

PAGE: 1 OF 1

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For courier service / sample drop off information, contact us26_sales@eurofinsus com or call us

LABORATORY CLIENT: Roux Associates, Inc	CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000
ADDRESS: 5150 Pacific Coast Hwy, Suite 450	PO NO
CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804	PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi
TEL. (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL: mnelson@rouxinc.com / dwilliams@rouxinc com / mnishibayashi@rouxinc com	SAMPLER(S) (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	Notes:
1	Unit-2-LT	11/30/2021	0833	concrete pedestal	1	X					X								X		X		228 gal
2	Unit-2-SST		0858		1	X					X								X		X		610 gal
3	Unit-1/2-RT		0928		1	X					X								X		X		Reserve Transformer
4	Unit-1-SST		~~0837~~		1	X					X								X		X		610 gal
5	Unit-5-T(W)		1022		1	X					X								X		X		west, smaller pad
6	Unit-5-T(E)		1035		1	X					X								X		X		east, larger pad
			0937																				

Relinquished by (Signature)	Received by (Signature/Affiliation) EC	Date 12/01/21	Time 0855
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date.	Time
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time

2.3/3.2 SCS

09/02/14 Revision

12/8/2021

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-77265-1

Login Number: 77265
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience LLC

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-82474-1
Client Project/Site: Etiwanda Commerce Center / 3653-0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
1/28/2022 9:26:02 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Job ID: 570-82474-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-82474-1

Comments
No additional comments.

Receipt
The samples were received on 1/21/2022 1:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

GC Semi VOA
Method 8015B: Surrogate recovery for the following sample was outside control limits: Unit-2-LT_SO-N (570-82474-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 440-665343 and analytical batch 440-665531 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The serial dilution performed for the following sample associated with batch 440-665531 was outside control limits for Barium and Vanadium: (570-81586-A-1-B SD ^25)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Client Sample ID: Unit-2-LT_SO-N

Lab Sample ID: 570-82474-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C17-C18	99		98		mg/Kg	20		8015B	Total/NA
C19-C20	270		98		mg/Kg	20		8015B	Total/NA
C21-C22	480		98		mg/Kg	20		8015B	Total/NA
C23-C24	890		98		mg/Kg	20		8015B	Total/NA
C25-C28	2200		98		mg/Kg	20		8015B	Total/NA
C29-C32	2400		98		mg/Kg	20		8015B	Total/NA
C33-C36	1600		98		mg/Kg	20		8015B	Total/NA
C37-C40	840		98		mg/Kg	20		8015B	Total/NA
C41-C44	370		98		mg/Kg	20		8015B	Total/NA
C6-C44	8700		98		mg/Kg	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	3700		98		mg/Kg	20		8015B	Total/NA
Aroclor-1260 - DL	1300		250		ug/Kg	5		8082	Total/NA
Barium	45.3		2.96		mg/Kg	5		6010B	Total/NA
Cadmium	0.505		0.493		mg/Kg	5		6010B	Total/NA
Chromium	14.1		0.985		mg/Kg	5		6010B	Total/NA
Cobalt	7.25		0.985		mg/Kg	5		6010B	Total/NA
Copper	26.7		1.97		mg/Kg	5		6010B	Total/NA
Lead	11.8		1.97		mg/Kg	5		6010B	Total/NA
Nickel	18.1		1.97		mg/Kg	5		6010B	Total/NA
Vanadium	45.7		0.985		mg/Kg	5		6010B	Total/NA
Zinc	111		4.93		mg/Kg	5		6010B	Total/NA
Mercury - DL	2.64		0.820		mg/Kg	10		7471A	Total/NA

Client Sample ID: Unit-2-LT_SO-S

Lab Sample ID: 570-82474-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6 as C6	5.0		5.0		mg/Kg	1		8015B	Total/NA
C7 as C7	5.4		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	6.4		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	9.0		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	10		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	19		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	18		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	13		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	7.6		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	73		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	36		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	1300		250		ug/Kg	5		8082	Total/NA
Arsenic	4.65		3.02		mg/Kg	5		6010B	Total/NA
Barium	87.4		3.02		mg/Kg	5		6010B	Total/NA
Cadmium	1.34		0.503		mg/Kg	5		6010B	Total/NA
Chromium	15.8		1.01		mg/Kg	5		6010B	Total/NA
Cobalt	3.96		1.01		mg/Kg	5		6010B	Total/NA
Copper	12.5		2.01		mg/Kg	5		6010B	Total/NA
Lead	8.23		2.01		mg/Kg	5		6010B	Total/NA
Nickel	11.1		2.01		mg/Kg	5		6010B	Total/NA
Vanadium	35.7		1.01		mg/Kg	5		6010B	Total/NA
Zinc	80.1		5.03		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Client Sample ID: Unit-1-SST(S)_SO

Lab Sample ID: 570-82474-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	5.6		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	11		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	27		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	27		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	21		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	10		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	90		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	39		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260	260		49		ug/Kg	1		8082	Total/NA
Arsenic	5.81		3.00		mg/Kg	5		6010B	Total/NA
Barium	49.2		3.00		mg/Kg	5		6010B	Total/NA
Chromium	10.6		1.00		mg/Kg	5		6010B	Total/NA
Cobalt	3.83		1.00		mg/Kg	5		6010B	Total/NA
Copper	22.7		2.00		mg/Kg	5		6010B	Total/NA
Lead	8.19		2.00		mg/Kg	5		6010B	Total/NA
Nickel	7.56		2.00		mg/Kg	5		6010B	Total/NA
Vanadium	26.8		1.00		mg/Kg	5		6010B	Total/NA
Zinc	120		5.00		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-1/2-RT_SO

Lab Sample ID: 570-82474-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6 as C6	5.1		4.9		mg/Kg	1		8015B	Total/NA
C7 as C7	5.5		4.9		mg/Kg	1		8015B	Total/NA
C8 as C8	7.9		4.9		mg/Kg	1		8015B	Total/NA
C11-C12	5.1		4.9		mg/Kg	1		8015B	Total/NA
C21-C22	6.0		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	8.3		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	16		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	14		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	10		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	5.8		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	65		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	31		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260	440		50		ug/Kg	1		8082	Total/NA
Arsenic	4.68		2.99		mg/Kg	5		6010B	Total/NA
Barium	79.0		2.99		mg/Kg	5		6010B	Total/NA
Chromium	16.0		0.995		mg/Kg	5		6010B	Total/NA
Cobalt	4.71		0.995		mg/Kg	5		6010B	Total/NA
Copper	11.2		1.99		mg/Kg	5		6010B	Total/NA
Lead	3.67		1.99		mg/Kg	5		6010B	Total/NA
Nickel	12.0		1.99		mg/Kg	5		6010B	Total/NA
Vanadium	41.5		0.995		mg/Kg	5		6010B	Total/NA
Zinc	33.6		4.98		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-1-SST_SO-W

Lab Sample ID: 570-82474-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	7.6		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	14		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	30		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	29		5.0		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-1-SST_SO-W (Continued)
Lab Sample ID: 570-82474-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C33-C36	20		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	9.9		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	100		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	49		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260	270		49		ug/Kg	1		8082	Total/NA
Arsenic	3.87		2.99		mg/Kg	5		6010B	Total/NA
Barium	77.1		2.99		mg/Kg	5		6010B	Total/NA
Cadmium	1.82		0.498		mg/Kg	5		6010B	Total/NA
Chromium	15.3		0.995		mg/Kg	5		6010B	Total/NA
Cobalt	4.30		0.995		mg/Kg	5		6010B	Total/NA
Copper	12.7		1.99		mg/Kg	5		6010B	Total/NA
Lead	7.92		1.99		mg/Kg	5		6010B	Total/NA
Nickel	12.8		1.99		mg/Kg	5		6010B	Total/NA
Vanadium	35.2		0.995		mg/Kg	5		6010B	Total/NA
Zinc	71.9		4.98		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-1-SST_SO-E
Lab Sample ID: 570-82474-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6 as C6	6.4		4.8		mg/Kg	1		8015B	Total/NA
C7 as C7	7.4		4.8		mg/Kg	1		8015B	Total/NA
C9-C10	6.1		4.8		mg/Kg	1		8015B	Total/NA
C17-C18	6.4		4.8		mg/Kg	1		8015B	Total/NA
C19-C20	15		4.8		mg/Kg	1		8015B	Total/NA
C21-C22	21		4.8		mg/Kg	1		8015B	Total/NA
C23-C24	34		4.8		mg/Kg	1		8015B	Total/NA
C25-C28	69		4.8		mg/Kg	1		8015B	Total/NA
C29-C32	66		4.8		mg/Kg	1		8015B	Total/NA
C33-C36	43		4.8		mg/Kg	1		8015B	Total/NA
C37-C40	19		4.8		mg/Kg	1		8015B	Total/NA
C41-C44	5.9		4.8		mg/Kg	1		8015B	Total/NA
C6-C44	270		4.8		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	140		4.8		mg/Kg	1		8015B	Total/NA
Aroclor-1260	940		49		ug/Kg	1		8082	Total/NA
Arsenic	3.99		2.99		mg/Kg	5		6010B	Total/NA
Barium	99.1		2.99		mg/Kg	5		6010B	Total/NA
Cadmium	3.28		0.498		mg/Kg	5		6010B	Total/NA
Chromium	16.5		0.995		mg/Kg	5		6010B	Total/NA
Cobalt	5.15		0.995		mg/Kg	5		6010B	Total/NA
Copper	25.1		1.99		mg/Kg	5		6010B	Total/NA
Lead	9.63		1.99		mg/Kg	5		6010B	Total/NA
Nickel	16.3		1.99		mg/Kg	5		6010B	Total/NA
Vanadium	40.4		0.995		mg/Kg	5		6010B	Total/NA
Zinc	136		4.98		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-2-SST_SO-W
Lab Sample ID: 570-82474-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	6.1		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	9.9		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	18		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	16		5.0		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Client Sample ID: Unit-2-SST_SO-W (Continued)

Lab Sample ID: 570-82474-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C33-C36	10		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	5.6		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	57		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	31		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	2000		250		ug/Kg	5		8082	Total/NA
Arsenic	4.36		3.06		mg/Kg	5		6010B	Total/NA
Barium	86.8		3.06		mg/Kg	5		6010B	Total/NA
Cadmium	0.689		0.510		mg/Kg	5		6010B	Total/NA
Chromium	16.2		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	3.97		1.02		mg/Kg	5		6010B	Total/NA
Copper	12.8		2.04		mg/Kg	5		6010B	Total/NA
Lead	5.63		2.04		mg/Kg	5		6010B	Total/NA
Nickel	12.7		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	35.6		1.02		mg/Kg	5		6010B	Total/NA
Zinc	75.9		5.10		mg/Kg	5		6010B	Total/NA

Client Sample ID: Unit-2-SST_SO-E

Lab Sample ID: 570-82474-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	7.3		5.1		mg/Kg	1		8015B	Total/NA
C21-C22	11		5.1		mg/Kg	1		8015B	Total/NA
C23-C24	18		5.1		mg/Kg	1		8015B	Total/NA
C25-C28	43		5.1		mg/Kg	1		8015B	Total/NA
C29-C32	34		5.1		mg/Kg	1		8015B	Total/NA
C33-C36	18		5.1		mg/Kg	1		8015B	Total/NA
C37-C40	8.7		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	130		5.1		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	74		5.1		mg/Kg	1		8015B	Total/NA
Aroclor-1260	350		50		ug/Kg	1		8082	Total/NA
Arsenic	5.66		3.06		mg/Kg	5		6010B	Total/NA
Barium	87.2		3.06		mg/Kg	5		6010B	Total/NA
Chromium	15.5		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	4.82		1.02		mg/Kg	5		6010B	Total/NA
Copper	21.4		2.04		mg/Kg	5		6010B	Total/NA
Lead	5.92		2.04		mg/Kg	5		6010B	Total/NA
Nickel	12.9		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	34.4		1.02		mg/Kg	5		6010B	Total/NA
Zinc	58.0		5.10		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C7 as C7	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C8 as C8	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C9-C10	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C11-C12	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C13-C14	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C15-C16	ND		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C17-C18	**99**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C19-C20	**270**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C21-C22	**480**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C23-C24	**890**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C25-C28	**2200**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C29-C32	**2400**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C33-C36	**1600**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C37-C40	**840**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C41-C44	**370**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
C6-C44	**8700**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20
Diesel Range Organics [C10-C28]	**3700**		98		mg/Kg		01/24/22 15:47	01/25/22 22:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*157*	*S1+*	*60 - 138*	*01/24/22 15:47*	*01/25/22 22:19*	*20*

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	**5.0**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C7 as C7	**5.4**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C19-C20	**6.4**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C21-C22	**9.0**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C23-C24	**10**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C25-C28	**19**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C29-C32	**18**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C33-C36	**13**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C37-C40	**7.6**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
C6-C44	**73**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1
Diesel Range Organics [C10-C28]	**36**		5.0		mg/Kg		01/24/22 15:47	01/25/22 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*117*		*60 - 138*	*01/24/22 15:47*	*01/25/22 22:40*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C7 as C7	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C8 as C8	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C9-C10	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C11-C12	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C13-C14	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C15-C16	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C17-C18	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C19-C20	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C21-C22	**5.6**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C23-C24	**11**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C25-C28	**27**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C29-C32	**27**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C33-C36	**21**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C37-C40	**10**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C41-C44	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
C6-C44	**90**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1
Diesel Range Organics [C10-C28]	**39**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*114*		*60 - 138*	*01/24/22 15:47*	*01/25/22 23:02*	*1*

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	**5.1**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C7 as C7	**5.5**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C8 as C8	**7.9**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C9-C10	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C11-C12	**5.1**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C13-C14	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C15-C16	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C17-C18	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C19-C20	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C21-C22	**6.0**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C23-C24	**8.3**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C25-C28	**16**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C29-C32	**14**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C33-C36	**10**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C37-C40	**5.8**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C41-C44	ND		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
C6-C44	**65**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1
Diesel Range Organics [C10-C28]	**31**		4.9		mg/Kg		01/24/22 15:47	01/25/22 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 138*	*01/24/22 15:47*	*01/25/22 23:21*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C7 as C7	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C19-C20	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C21-C22	**7.6**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C23-C24	**14**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C25-C28	**30**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C29-C32	**29**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C33-C36	**20**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C37-C40	**9.9**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
C6-C44	**100**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1
Diesel Range Organics [C10-C28]	**49**		5.0		mg/Kg		01/24/22 15:47	01/25/22 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*110*		*60 - 138*	*01/24/22 15:47*	*01/25/22 23:42*	*1*

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	**6.4**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C7 as C7	**7.4**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C8 as C8	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C9-C10	**6.1**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C11-C12	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C13-C14	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C15-C16	ND		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C17-C18	**6.4**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C19-C20	**15**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C21-C22	**21**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C23-C24	**34**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C25-C28	**69**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C29-C32	**66**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C33-C36	**43**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C37-C40	**19**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C41-C44	**5.9**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
C6-C44	**270**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1
Diesel Range Organics [C10-C28]	**140**		4.8		mg/Kg		01/24/22 15:47	01/26/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*123*		*60 - 138*	*01/24/22 15:47*	*01/26/22 00:03*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C7 as C7	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C19-C20	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C21-C22	**6.1**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C23-C24	**9.9**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C25-C28	**18**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C29-C32	**16**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C33-C36	**10**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C37-C40	**5.6**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
C6-C44	**57**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1
Diesel Range Organics [C10-C28]	**31**		5.0		mg/Kg		01/24/22 15:47	01/26/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*119*		*60 - 138*	*01/24/22 15:47*	*01/26/22 00:25*	*1*

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C7 as C7	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C8 as C8	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C9-C10	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C11-C12	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C13-C14	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C15-C16	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C17-C18	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C19-C20	**7.3**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C21-C22	**11**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C23-C24	**18**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C25-C28	**43**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C29-C32	**34**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C33-C36	**18**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C37-C40	**8.7**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C41-C44	ND		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
C6-C44	**130**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1
Diesel Range Organics [C10-C28]	**74**		5.1		mg/Kg		01/24/22 15:47	01/26/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*98*		*60 - 138*	*01/24/22 15:47*	*01/26/22 00:44*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*65*		*25 - 126*	*01/24/22 12:47*	*01/25/22 17:10*	*1*
DCB Decachlorobiphenyl (Surr)	*54*		*20 - 155*	*01/24/22 12:47*	*01/25/22 17:10*	*1*

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*01/24/22 12:47*	*01/25/22 17:28*	*1*
DCB Decachlorobiphenyl (Surr)	*55*		*20 - 155*	*01/24/22 12:47*	*01/25/22 17:28*	*1*

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1260	**260**		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*54*		*25 - 126*	*01/24/22 12:47*	*01/25/22 17:46*	*1*
DCB Decachlorobiphenyl (Surr)	*52*		*20 - 155*	*01/24/22 12:47*	*01/25/22 17:46*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1260	**440**		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:04*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:04*	*1*

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1260	**270**		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*59*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:22*	*1*
DCB Decachlorobiphenyl (Surr)	*59*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:22*	*1*

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1260	**940**		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:40*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:40*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1221	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1232	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1242	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1248	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1254	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1262	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1
Aroclor-1268	ND		49		ug/Kg		01/24/22 12:47	01/25/22 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*56*		*25 - 126*	*01/24/22 12:47*	*01/25/22 18:58*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*20 - 155*	*01/24/22 12:47*	*01/25/22 18:58*	*1*

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1260	**350**		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:47	01/25/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*	*01/24/22 12:47*	*01/25/22 19:16*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*20 - 155*	*01/24/22 12:47*	*01/25/22 19:16*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	1300		250		ug/Kg		01/24/22 12:47	01/27/22 03:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*25 - 126*	*01/24/22 12:47*	*01/27/22 03:25*	*5*
DCB Decachlorobiphenyl (Surr)	*64*		*20 - 155*	*01/24/22 12:47*	*01/27/22 03:25*	*5*

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	1300		250		ug/Kg		01/24/22 12:47	01/27/22 03:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*01/24/22 12:47*	*01/27/22 03:43*	*5*
DCB Decachlorobiphenyl (Surr)	*65*		*20 - 155*	*01/24/22 12:47*	*01/27/22 03:43*	*5*

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	2000		250		ug/Kg		01/24/22 12:47	01/27/22 04:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*63*		*25 - 126*	*01/24/22 12:47*	*01/27/22 04:01*	*5*
DCB Decachlorobiphenyl (Surr)	*69*		*20 - 155*	*01/24/22 12:47*	*01/27/22 04:01*	*5*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-LT_SO-N
Date Collected: 01/19/22 12:21
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Arsenic	ND		2.96		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Barium	**45.3**		2.96		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Beryllium	ND		0.493		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Cadmium	**0.505**		0.493		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Chromium	**14.1**		0.985		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Cobalt	**7.25**		0.985		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Copper	**26.7**		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Lead	**11.8**		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Molybdenum	ND		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Nickel	**18.1**		1.97		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Selenium	ND		2.96		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Silver	ND		1.48		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Thallium	ND		9.85		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Vanadium	**45.7**		0.985		mg/Kg		01/25/22 09:36	01/26/22 16:19	5
Zinc	**111**		4.93		mg/Kg		01/25/22 09:36	01/26/22 16:19	5

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.1		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Arsenic	**4.65**		3.02		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Barium	**87.4**		3.02		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Beryllium	ND		0.503		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Cadmium	**1.34**		0.503		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Chromium	**15.8**		1.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Cobalt	**3.96**		1.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Copper	**12.5**		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Lead	**8.23**		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Molybdenum	ND		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Nickel	**11.1**		2.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Selenium	ND		3.02		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Silver	ND		1.51		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Thallium	ND		10.1		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Vanadium	**35.7**		1.01		mg/Kg		01/25/22 09:36	01/26/22 16:21	5
Zinc	**80.1**		5.03		mg/Kg		01/25/22 09:36	01/26/22 16:21	5

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Arsenic	**5.81**		3.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Barium	**49.2**		3.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Beryllium	ND		0.500		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Cadmium	ND		0.500		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Chromium	**10.6**		1.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Cobalt	**3.83**		1.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Copper	**22.7**		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.19**		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Molybdenum	ND		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Nickel	**7.56**		2.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Selenium	ND		3.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Silver	ND		1.50		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Thallium	ND		10.0		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Vanadium	**26.8**		1.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5
Zinc	**120**		5.00		mg/Kg		01/25/22 09:36	01/26/22 16:24	5

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Arsenic	**4.68**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Barium	**79.0**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Beryllium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Cadmium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Chromium	**16.0**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Cobalt	**4.71**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Copper	**11.2**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Lead	**3.67**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Molybdenum	ND		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Nickel	**12.0**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Selenium	ND		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Silver	ND		1.49		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Thallium	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Vanadium	**41.5**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:26	5
Zinc	**33.6**		4.98		mg/Kg		01/25/22 09:36	01/26/22 16:26	5

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Arsenic	**3.87**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Barium	**77.1**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Beryllium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Cadmium	**1.82**		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Chromium	**15.3**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Cobalt	**4.30**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Copper	**12.7**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Lead	**7.92**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Molybdenum	ND		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Nickel	**12.8**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Selenium	ND		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Silver	ND		1.49		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Thallium	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Vanadium	**35.2**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:28	5
Zinc	**71.9**		4.98		mg/Kg		01/25/22 09:36	01/26/22 16:28	5

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Arsenic	**3.99**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Barium	**99.1**		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Beryllium	ND		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Cadmium	**3.28**		0.498		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Chromium	**16.5**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Cobalt	**5.15**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Copper	**25.1**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Lead	**9.63**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Molybdenum	ND		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Nickel	**16.3**		1.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Selenium	ND		2.99		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Silver	ND		1.49		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Thallium	ND		9.95		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Vanadium	**40.4**		0.995		mg/Kg		01/25/22 09:36	01/26/22 16:31	5
Zinc	**136**		4.98		mg/Kg		01/25/22 09:36	01/26/22 16:31	5

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Arsenic	**4.36**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Barium	**86.8**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Beryllium	ND		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Cadmium	**0.689**		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Chromium	**16.2**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Cobalt	**3.97**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Copper	**12.8**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Lead	**5.63**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Molybdenum	ND		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Nickel	**12.7**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Selenium	ND		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Silver	ND		1.53		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Thallium	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Vanadium	**35.6**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:33	5
Zinc	**75.9**		5.10		mg/Kg		01/25/22 09:36	01/26/22 16:33	5

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45
Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Arsenic	**5.66**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Barium	**87.2**		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Beryllium	ND		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Cadmium	ND		0.510		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Chromium	**15.5**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Cobalt	**4.82**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Copper	**21.4**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-2-SST_SO-E
Lab Sample ID: 570-82474-8
Date Collected: 01/19/22 14:40
Matrix: Solid
Date Received: 01/21/22 13:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**5.92**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Molybdenum	ND		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Nickel	**12.9**		2.04		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Selenium	ND		3.06		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Silver	ND		1.53		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Thallium	ND		10.2		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Vanadium	**34.4**		1.02		mg/Kg		01/25/22 09:36	01/26/22 16:36	5
Zinc	**58.0**		5.10		mg/Kg		01/25/22 09:36	01/26/22 16:36	5

Client Sample Results

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-LT_SO-S
Date Collected: 01/19/22 12:37
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		01/26/22 16:50	01/27/22 14:22	1

Client Sample ID: Unit-1-SST(S)_SO
Date Collected: 01/19/22 13:02
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		01/26/22 16:50	01/27/22 14:24	1

Client Sample ID: Unit-1/2-RT_SO
Date Collected: 01/19/22 13:18
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		01/26/22 16:50	01/27/22 14:26	1

Client Sample ID: Unit-1-SST_SO-W
Date Collected: 01/19/22 13:35
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		01/26/22 16:50	01/27/22 14:28	1

Client Sample ID: Unit-1-SST_SO-E
Date Collected: 01/19/22 14:13
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		01/26/22 16:50	01/27/22 14:30	1

Client Sample ID: Unit-2-SST_SO-W
Date Collected: 01/19/22 14:31
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		01/26/22 16:50	01/27/22 14:31	1

Client Sample ID: Unit-2-SST_SO-E
Date Collected: 01/19/22 14:40
Date Received: 01/21/22 13:45

Lab Sample ID: 570-82474-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		01/26/22 16:50	01/27/22 14:33	1

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Method: 7471A - Mercury (CVAA) - DL

Client Sample ID: Unit-2-LT_SO-N
Lab Sample ID: 570-82474-1
Date Collected: 01/19/22 12:21
Matrix: Solid
Date Received: 01/21/22 13:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.64		0.820		mg/Kg		01/26/22 16:50	01/27/22 16:34	10

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-138)
570-82313-A-2-F MS	Matrix Spike	85
570-82313-A-2-G MSD	Matrix Spike Duplicate	92
570-82474-1	Unit-2-LT_SO-N	157 S1+
570-82474-2	Unit-2-LT_SO-S	117
570-82474-3	Unit-1-SST(S)_SO	114
570-82474-4	Unit-1/2-RT_SO	112
570-82474-5	Unit-1-SST_SO-W	110
570-82474-6	Unit-1-SST_SO-E	123
570-82474-7	Unit-2-SST_SO-W	119
570-82474-8	Unit-2-SST_SO-E	98
LCS 570-209149/2-A	Lab Control Sample	68
LCSD 570-209149/3-A	Lab Control Sample Dup	89
MB 570-209149/1-A	Method Blank	91

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (25-126)	DCB1 (20-155)
570-82419-A-1-A MS	Matrix Spike	66	62
570-82419-A-1-B MSD	Matrix Spike Duplicate	68	61
570-82474-1	Unit-2-LT_SO-N	65	54
570-82474-1 - DL	Unit-2-LT_SO-N	77	64
570-82474-2	Unit-2-LT_SO-S	66	55
570-82474-2 - DL	Unit-2-LT_SO-S	71	65
570-82474-3	Unit-1-SST(S)_SO	54	52
570-82474-4	Unit-1/2-RT_SO	71	72
570-82474-5	Unit-1-SST_SO-W	59	59
570-82474-6	Unit-1-SST_SO-E	68	68
570-82474-7	Unit-2-SST_SO-W	56	62
570-82474-7 - DL	Unit-2-SST_SO-W	63	69
570-82474-8	Unit-2-SST_SO-E	68	71
LCS 570-209107/6-A	Lab Control Sample	76	82
LCSD 570-209107/7-A	Lab Control Sample Dup	76	79
MB 570-209107/1-A	Method Blank	76	80

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-209149/1-A
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C7 as C7	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C8 as C8	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C9-C10	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C11-C12	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C13-C14	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C15-C16	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C17-C18	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C19-C20	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C21-C22	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C23-C24	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C25-C28	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C29-C32	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C33-C36	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C37-C40	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C41-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
C6-C44	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		01/24/22 15:47	01/25/22 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*91*		*60 - 138*	*01/24/22 15:47*	*01/25/22 12:16*	*1*

Lab Sample ID: LCS 570-209149/2-A
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	367.8		mg/Kg		92	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*68*		*60 - 138*

Lab Sample ID: LCSD 570-209149/3-A
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	372.9		mg/Kg		93	80 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*89*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-82313-A-2-F MS
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	710	F1	391	1060		mg/Kg		90	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*85*		*60 - 138*

Lab Sample ID: 570-82313-A-2-G MSD
Matrix: Solid
Analysis Batch: 209301

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 209149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	710	F1	392	858.9	F1	mg/Kg		39	43 - 165	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*92*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-209107/1-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1221	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1232	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1242	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1248	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1254	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1260	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1262	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1
Aroclor-1268	ND		50		ug/Kg		01/24/22 12:46	01/25/22 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*76*		*25 - 126*	*01/24/22 12:46*	*01/25/22 13:44*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*20 - 155*	*01/24/22 12:46*	*01/25/22 13:44*	*1*

Lab Sample ID: LCS 570-209107/6-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	102.6		ug/Kg		103	50 - 142
Aroclor-1260	100	95.82		ug/Kg		96	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*76*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-209107/6-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209107

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	82		20 - 155

Lab Sample ID: LCSD 570-209107/7-A
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209107

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	100.5		ug/Kg		100	50 - 142	2	30
Aroclor-1260			100	91.95		ug/Kg		92	50 - 150	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	76		25 - 126
DCB Decachlorobiphenyl (Surr)	79		20 - 155

Lab Sample ID: 570-82419-A-1-A MS
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 209107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		100	77.11		ug/Kg		77	20 - 175
Aroclor-1260	ND		100	77.13		ug/Kg		77	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	66		25 - 126
DCB Decachlorobiphenyl (Surr)	62		20 - 155

Lab Sample ID: 570-82419-A-1-B MSD
Matrix: Solid
Analysis Batch: 209009

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 209107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.1	77.58		ug/Kg		78	20 - 175	1	40
Aroclor-1260	ND		99.1	76.69		ug/Kg		77	20 - 180	1	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	68		25 - 126
DCB Decachlorobiphenyl (Surr)	61		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-665343/1-A ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Arsenic	ND		2.94		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Barium	ND		2.94		mg/Kg		01/25/22 09:36	01/26/22 14:42	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-665343/1-A ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.490		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Cadmium	ND		0.490		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Chromium	ND		0.980		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Cobalt	ND		0.980		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Copper	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Lead	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Molybdenum	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Nickel	ND		1.96		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Selenium	ND		2.94		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Silver	ND		1.47		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Thallium	ND		9.80		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Vanadium	ND		0.980		mg/Kg		01/25/22 09:36	01/26/22 14:42	5
Zinc	ND		4.90		mg/Kg		01/25/22 09:36	01/26/22 14:42	5

Lab Sample ID: LCS 440-665343/2-A ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.3	47.01		mg/Kg		94	80 - 120
Arsenic	50.3	44.70		mg/Kg		89	80 - 120
Barium	50.3	46.41		mg/Kg		92	80 - 120
Beryllium	50.3	46.55		mg/Kg		93	80 - 120
Cadmium	50.3	46.60		mg/Kg		93	80 - 120
Chromium	50.3	46.58		mg/Kg		93	80 - 120
Cobalt	50.3	46.41		mg/Kg		92	80 - 120
Copper	50.3	46.82		mg/Kg		93	80 - 120
Lead	50.3	45.73		mg/Kg		91	80 - 120
Molybdenum	50.3	47.51		mg/Kg		95	80 - 120
Nickel	50.3	48.35		mg/Kg		96	80 - 120
Selenium	50.3	43.69		mg/Kg		87	80 - 120
Silver	25.1	23.29		mg/Kg		93	80 - 120
Thallium	50.3	46.13		mg/Kg		92	80 - 120
Vanadium	50.3	46.66		mg/Kg		93	80 - 120
Zinc	50.3	46.14		mg/Kg		92	80 - 120

Lab Sample ID: 570-81586-A-1-C MS ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.0	12.02	F1	mg/Kg		25	75 - 125
Arsenic	5.15		49.0	50.42		mg/Kg		92	75 - 125
Barium	114		49.0	169.0		mg/Kg		112	75 - 125
Beryllium	ND		49.0	46.02		mg/Kg		93	75 - 125
Cadmium	ND		49.0	44.20		mg/Kg		90	75 - 125
Chromium	20.7		49.0	64.84		mg/Kg		90	75 - 125
Cobalt	7.71		49.0	51.58		mg/Kg		89	75 - 125
Copper	21.7		49.0	69.61		mg/Kg		98	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-81586-A-1-C MS ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	8.13		49.0	49.58		mg/Kg		85	75 - 125
Molybdenum	ND		49.0	45.87		mg/Kg		92	75 - 125
Nickel	13.8		49.0	59.03		mg/Kg		92	75 - 125
Selenium	ND		49.0	41.78		mg/Kg		85	75 - 125
Silver	ND		24.5	22.81		mg/Kg		93	75 - 125
Thallium	ND		49.0	42.93		mg/Kg		88	75 - 125
Vanadium	38.1		49.0	88.55		mg/Kg		103	75 - 125
Zinc	50.0		49.0	94.84		mg/Kg		91	75 - 125

Lab Sample ID: 570-81586-A-1-D MSD ^5
Matrix: Solid
Analysis Batch: 665531

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 665343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	50.8	14.15	F1	mg/Kg		28	75 - 125	16	20
Arsenic	5.15		50.8	51.05		mg/Kg		90	75 - 125	1	20
Barium	114		50.8	166.8		mg/Kg		104	75 - 125	1	20
Beryllium	ND		50.8	47.77		mg/Kg		93	75 - 125	4	20
Cadmium	ND		50.8	46.04		mg/Kg		90	75 - 125	4	20
Chromium	20.7		50.8	67.36		mg/Kg		92	75 - 125	4	20
Cobalt	7.71		50.8	52.97		mg/Kg		89	75 - 125	3	20
Copper	21.7		50.8	72.66		mg/Kg		100	75 - 125	4	20
Lead	8.13		50.8	52.01		mg/Kg		86	75 - 125	5	20
Molybdenum	ND		50.8	47.83		mg/Kg		92	75 - 125	4	20
Nickel	13.8		50.8	61.94		mg/Kg		95	75 - 125	5	20
Selenium	ND		50.8	43.26		mg/Kg		85	75 - 125	3	20
Silver	ND		25.4	23.72		mg/Kg		93	75 - 125	4	20
Thallium	ND		50.8	44.56		mg/Kg		88	75 - 125	4	20
Vanadium	38.1		50.8	90.29		mg/Kg		103	75 - 125	2	20
Zinc	50.0		50.8	96.51		mg/Kg		92	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-209643/1-A
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		01/26/22 16:50	01/27/22 13:54	1

Lab Sample ID: LCS 570-209643/2-A
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.8937		mg/Kg		107	85 - 121

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-209643/3-A
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209643

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.8931		mg/Kg		107	85 - 121	0	10

Lab Sample ID: 570-82486-C-1-C MS
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 209643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.806	0.8728		mg/Kg		103	71 - 137

Lab Sample ID: 570-82486-C-1-D MSD
Matrix: Solid
Analysis Batch: 209836

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 209643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.794	0.8698		mg/Kg		104	71 - 137	0	14

QC Association Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

GC Semi VOA

Analysis Batch: 209009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	8082	209107
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	8082	209107
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	8082	209107
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	8082	209107
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	8082	209107
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	8082	209107
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	8082	209107
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	8082	209107
MB 570-209107/1-A	Method Blank	Total/NA	Solid	8082	209107
LCS 570-209107/6-A	Lab Control Sample	Total/NA	Solid	8082	209107
LCSD 570-209107/7-A	Lab Control Sample Dup	Total/NA	Solid	8082	209107
570-82419-A-1-A MS	Matrix Spike	Total/NA	Solid	8082	209107
570-82419-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	209107

Prep Batch: 209107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	3546	
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	3546	
570-82474-2 - DL	Unit-2-LT_SO-S	Total/NA	Solid	3546	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	3546	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	3546	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	3546	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	3546	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	3546	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	3546	
570-82474-7 - DL	Unit-2-SST_SO-W	Total/NA	Solid	3546	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	3546	
MB 570-209107/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-209107/6-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-209107/7-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-82419-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
570-82419-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 209149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	3550C	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	3550C	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	3550C	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	3550C	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	3550C	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	3550C	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	3550C	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	3550C	
MB 570-209149/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-209149/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-209149/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-82313-A-2-F MS	Matrix Spike	Total/NA	Solid	3550C	
570-82313-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

GC Semi VOA

Analysis Batch: 209301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	8015B	209149
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	8015B	209149
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	8015B	209149
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	8015B	209149
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	8015B	209149
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	8015B	209149
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	8015B	209149
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	8015B	209149
MB 570-209149/1-A	Method Blank	Total/NA	Solid	8015B	209149
LCS 570-209149/2-A	Lab Control Sample	Total/NA	Solid	8015B	209149
LCSD 570-209149/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	209149
570-82313-A-2-F MS	Matrix Spike	Total/NA	Solid	8015B	209149
570-82313-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	209149

Analysis Batch: 209402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	8082	209107
570-82474-2 - DL	Unit-2-LT_SO-S	Total/NA	Solid	8082	209107
570-82474-7 - DL	Unit-2-SST_SO-W	Total/NA	Solid	8082	209107

Metals

Prep Batch: 209643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	7471A	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	7471A	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	7471A	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	7471A	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	7471A	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	7471A	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	7471A	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	7471A	
MB 570-209643/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-209643/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-209643/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-82486-C-1-C MS	Matrix Spike	Total/NA	Solid	7471A	
570-82486-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 209836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1 - DL	Unit-2-LT_SO-N	Total/NA	Solid	7471A	209643
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	7471A	209643
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	7471A	209643
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	7471A	209643
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	7471A	209643
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	7471A	209643
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	7471A	209643
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	7471A	209643
MB 570-209643/1-A	Method Blank	Total/NA	Solid	7471A	209643
LCS 570-209643/2-A	Lab Control Sample	Total/NA	Solid	7471A	209643
LCSD 570-209643/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	209643

Metals (Continued)

Analysis Batch: 209836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82486-C-1-C MS	Matrix Spike	Total/NA	Solid	7471A	209643
570-82486-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	209643

Prep Batch: 665343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	3050B	
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	3050B	
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	3050B	
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	3050B	
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	3050B	
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	3050B	
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	3050B	
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	3050B	
MB 440-665343/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-665343/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
570-81586-A-1-C MS ^5	Matrix Spike	Total/NA	Solid	3050B	
570-81586-A-1-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 665531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-82474-1	Unit-2-LT_SO-N	Total/NA	Solid	6010B	665343
570-82474-2	Unit-2-LT_SO-S	Total/NA	Solid	6010B	665343
570-82474-3	Unit-1-SST(S)_SO	Total/NA	Solid	6010B	665343
570-82474-4	Unit-1/2-RT_SO	Total/NA	Solid	6010B	665343
570-82474-5	Unit-1-SST_SO-W	Total/NA	Solid	6010B	665343
570-82474-6	Unit-1-SST_SO-E	Total/NA	Solid	6010B	665343
570-82474-7	Unit-2-SST_SO-W	Total/NA	Solid	6010B	665343
570-82474-8	Unit-2-SST_SO-E	Total/NA	Solid	6010B	665343
MB 440-665343/1-A ^5	Method Blank	Total/NA	Solid	6010B	665343
LCS 440-665343/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	665343
570-81586-A-1-C MS ^5	Matrix Spike	Total/NA	Solid	6010B	665343
570-81586-A-1-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	665343

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-2-LT_SO-N
Lab Sample ID: 570-82474-1
Date Collected: 01/19/22 12:21
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.24 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		20			209301	01/25/22 22:19	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.08 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 17:10	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.08 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082	DL	5			209402	01/27/22 03:25	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:19	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A	DL		0.61 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A	DL	10			209836	01/27/22 16:34	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-LT_SO-S
Lab Sample ID: 570-82474-2
Date Collected: 01/19/22 12:37
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.08 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 22:40	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.15 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 17:28	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.15 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082	DL	5			209402	01/27/22 03:43	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.99 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:21	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.59 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:22	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-SST(S)_SO
Lab Sample ID: 570-82474-3
Date Collected: 01/19/22 13:02
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.24 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 23:02	N5Y3	ECL 1
	Instrument ID: GC50									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-1-SST(S)_SO
Lab Sample ID: 570-82474-3
Date Collected: 01/19/22 13:02
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.23 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 17:46	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:24	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:24	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1/2-RT_SO
Lab Sample ID: 570-82474-4
Date Collected: 01/19/22 13:18
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.13 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 23:21	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.14 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:04	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:26	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.62 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:26	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-1-SST_SO-W
Lab Sample ID: 570-82474-5
Date Collected: 01/19/22 13:35
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.94 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/25/22 23:42	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.24 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:22	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:28	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:28	VWJ7	ECL 1
	Instrument ID: HG8									

Lab Chronicle

Client: Roux Associates, Inc. Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-1-SST_SO-E
Lab Sample ID: 570-82474-6
Date Collected: 01/19/22 14:13 **Matrix: Solid**
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.37 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/26/22 00:03	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.21 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:40	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:31	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.63 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:30	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST_SO-W
Lab Sample ID: 570-82474-7
Date Collected: 01/19/22 14:31 **Matrix: Solid**
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.10 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/26/22 00:25	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.22 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 18:58	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.22 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082	DL	5			209402	01/27/22 04:01	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.96 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:33	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:31	VWJ7	ECL 1
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST_SO-E
Lab Sample ID: 570-82474-8
Date Collected: 01/19/22 14:40 **Matrix: Solid**
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.79 g	10 mL	209149	01/24/22 15:47	KG5J	ECL 1
Total/NA	Analysis	8015B		1			209301	01/26/22 00:44	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3546			20.02 g	10 mL	209107	01/24/22 12:47	USUL	ECL 1
Total/NA	Analysis	8082		1			209009	01/25/22 19:16	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Client Sample ID: Unit-2-SST_SO-E
Lab Sample ID: 570-82474-8
Date Collected: 01/19/22 14:40
Matrix: Solid
Date Received: 01/21/22 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	665343	01/25/22 09:36	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			665531	01/26/22 16:36	K1UV	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.62 g	100 mL	209643	01/26/22 16:50	JN	ECL 4
Total/NA	Analysis	7471A		1			209836	01/27/22 14:33	VWJ7	ECL 1
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

Accreditation/Certification Summary

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Laboratory: Eurofins Calscience Tustin

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

Method Summary

Client: Roux Associates, Inc.
Job ID: 570-82474-1
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	IRV 2
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	IRV 2
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

Sample Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653-0001L000

Job ID: 570-82474-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-82474-1	Unit-2-LT_SO-N	Solid	01/19/22 12:21	01/21/22 13:45
570-82474-2	Unit-2-LT_SO-S	Solid	01/19/22 12:37	01/21/22 13:45
570-82474-3	Unit-1-SST(S)_SO	Solid	01/19/22 13:02	01/21/22 13:45
570-82474-4	Unit-1/2-RT_SO	Solid	01/19/22 13:18	01/21/22 13:45
570-82474-5	Unit-1-SST_SO-W	Solid	01/19/22 13:35	01/21/22 13:45
570-82474-6	Unit-1-SST_SO-E	Solid	01/19/22 14:13	01/21/22 13:45
570-82474-7	Unit-2-SST_SO-W	Solid	01/19/22 14:31	01/21/22 13:45
570-82474-8	Unit-2-SST_SO-E	Solid	01/19/22 14:40	01/21/22 13:45

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CHAIN OF CUSTODY RECORD

1/19/2022

1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us

570-82474 Chain of Custody

LABORATORY CLIENT: Roux Associates, Inc

ADDRESS: 5150 Pacific Coast Hwy, Suite 450

CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804

TEL.: (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL.: mnelson@rouxinc.com / dwilliams@rouxinc.com / mnishibayashi@rouxinc.com

Etiwanda Commerce Center / 3653 0001L000

P.O. NO:

PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi

SAMPLER(S). (PRINT): Drew Williams

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
1	Unit-2-LT_SO-N	1/19/22	1221	Powder	1	X					X								X		X	
2	Unit-2-LT_SO-S		1237								X								X		X	
3	Unit-1-SST(S)_SO		1302								X								X		X	
4	Unit-1/2-RT_SO		1318								X								X		X	
5	Unit-1-SST_SO-W		1335								X								X		X	
6	Unit-1-SST_SO-E		1413								X								X		X	
7	Unit-2-SST_SO-W		1431								X								X		X	
8	Unit-2-SST_SO-E		1440								X								X		X	

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1/21/22	Time: 1033
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1/21/22	Time: 1345
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

1.0/7.1 SW

06/02/14 Revision

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-82474-1

Login Number: 82474
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-83671-1
Client Project/Site: Etiwanda Commerce Center / 3653.0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
2/10/2022 4:05:56 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

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Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-83671-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-83671-1

Comments
No additional comments.

Receipt
The samples were received on 2/4/2022 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5° C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-212191 and analytical batch 570-212372 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Client Sample ID: Unit-2-SST_SO-W-S
Lab Sample ID: 570-83671-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	8.4		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	17		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	19		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	12		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	9.0		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	5.1		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	83		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	53		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	420000		50000		ug/Kg	1000		8082	Total/NA
Arsenic	4.38		2.53		mg/Kg	1		6010B	Total/NA
Barium	85.8		0.505		mg/Kg	1		6010B	Total/NA
Beryllium	0.328		0.253		mg/Kg	1		6010B	Total/NA
Cadmium	1.47		0.505		mg/Kg	1		6010B	Total/NA
Cobalt	6.44		1.01		mg/Kg	1		6010B	Total/NA
Chromium	15.2		1.01		mg/Kg	1		6010B	Total/NA
Copper	11.8		1.01		mg/Kg	1		6010B	Total/NA
Molybdenum	0.729		0.505		mg/Kg	1		6010B	Total/NA
Nickel	15.6		0.505		mg/Kg	1		6010B	Total/NA
Vanadium	27.5		1.01		mg/Kg	1		6010B	Total/NA
Zinc	112		10.1		mg/Kg	1		6010B	Total/NA
Lead	7.29		5.05		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST_SO-W-N
Lab Sample ID: 570-83671-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	7.2		5.1		mg/Kg	1		8015B	Total/NA
C21-C22	10		5.1		mg/Kg	1		8015B	Total/NA
C23-C24	13		5.1		mg/Kg	1		8015B	Total/NA
C25-C28	38		5.1		mg/Kg	1		8015B	Total/NA
C29-C32	33		5.1		mg/Kg	1		8015B	Total/NA
C33-C36	24		5.1		mg/Kg	1		8015B	Total/NA
C37-C40	12		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	150		5.1		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	79		5.1		mg/Kg	1		8015B	Total/NA
Aroclor-1260	580		50		ug/Kg	1		8082	Total/NA
Arsenic	3.07		2.46		mg/Kg	1		6010B	Total/NA
Barium	98.4		0.493		mg/Kg	1		6010B	Total/NA
Beryllium	0.324		0.246		mg/Kg	1		6010B	Total/NA
Cadmium	1.77		0.493		mg/Kg	1		6010B	Total/NA
Cobalt	5.87		0.985		mg/Kg	1		6010B	Total/NA
Chromium	16.8		0.985		mg/Kg	1		6010B	Total/NA
Copper	10.7		0.985		mg/Kg	1		6010B	Total/NA
Molybdenum	0.772		0.493		mg/Kg	1		6010B	Total/NA
Nickel	15.6		0.493		mg/Kg	1		6010B	Total/NA
Vanadium	27.9		0.985		mg/Kg	1		6010B	Total/NA
Zinc	143		9.85		mg/Kg	1		6010B	Total/NA
Lead	6.54		4.93		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST_SO-W-S
Date Collected: 02/01/22 13:26
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C7 as C7	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C8 as C8	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C9-C10	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C11-C12	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C13-C14	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C15-C16	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C17-C18	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C19-C20	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C21-C22	**8.4**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C23-C24	**17**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C25-C28	**19**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C29-C32	**12**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C33-C36	**9.0**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C37-C40	**5.1**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C41-C44	ND		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
C6-C44	**83**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1
Diesel Range Organics [C10-C28]	**53**		4.9		mg/Kg		02/07/22 13:02	02/09/22 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*51*	*S1-*	*60 - 138*	*02/07/22 13:02*	*02/09/22 11:23*	*1*

Client Sample ID: Unit-2-SST_SO-W-N
Date Collected: 02/01/22 13:50
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C7 as C7	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C8 as C8	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C9-C10	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C11-C12	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C13-C14	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C15-C16	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C17-C18	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C19-C20	**7.2**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C21-C22	**10**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C23-C24	**13**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C25-C28	**38**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C29-C32	**33**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C33-C36	**24**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C37-C40	**12**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C41-C44	ND		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
C6-C44	**150**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1
Diesel Range Organics [C10-C28]	**79**		5.1		mg/Kg		02/07/22 13:02	02/09/22 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*60 - 138*	*02/07/22 13:02*	*02/09/22 11:53*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-SST_SO-W-S
Lab Sample ID: 570-83671-1
Date Collected: 02/01/22 13:26
Matrix: Solid
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1221	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1232	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1242	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1248	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1254	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1262	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100
Aroclor-1268	ND		5000		ug/Kg		02/04/22 17:00	02/07/22 11:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*25 - 126*	*02/04/22 17:00*	*02/07/22 11:56*	*100*
DCB Decachlorobiphenyl (Surr)	*111*		*20 - 155*	*02/04/22 17:00*	*02/07/22 11:56*	*100*

Client Sample ID: Unit-2-SST_SO-W-N
Lab Sample ID: 570-83671-2
Date Collected: 02/01/22 13:50
Matrix: Solid
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1221	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1232	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1242	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1248	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1254	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1260	**580**		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1262	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1
Aroclor-1268	ND		50		ug/Kg		02/04/22 17:01	02/07/22 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*60*		*25 - 126*	*02/04/22 17:01*	*02/07/22 12:32*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*20 - 155*	*02/04/22 17:01*	*02/07/22 12:32*	*1*

Client: Roux Associates, Inc.
Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-SST_SO-W-S
Lab Sample ID: 570-83671-1
Date Collected: 02/01/22 13:26
Matrix: Solid
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	420000		50000		ug/Kg		02/04/22 17:00	02/07/22 12:14	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*95*		*25 - 126*	*02/04/22 17:00*	*02/07/22 12:14*	*1000*
DCB Decachlorobiphenyl (Surr)	*153*		*20 - 155*	*02/04/22 17:00*	*02/07/22 12:14*	*1000*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-SST_SO-W-S
Date Collected: 02/01/22 13:26
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Arsenic	**4.38**		2.53		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Barium	**85.8**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Beryllium	**0.328**		0.253		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Cadmium	**1.47**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Cobalt	**6.44**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Chromium	**15.2**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Copper	**11.8**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Molybdenum	**0.729**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Nickel	**15.6**		0.505		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Antimony	ND		3.03		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Selenium	ND		5.05		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Thallium	ND		5.05		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Vanadium	**27.5**		1.01		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Zinc	**112**		10.1		mg/Kg		02/09/22 12:40	02/09/22 19:53	1
Lead	**7.29**		5.05		mg/Kg		02/09/22 12:40	02/09/22 19:53	1

Client Sample ID: Unit-2-SST_SO-W-N
Date Collected: 02/01/22 13:50
Date Received: 02/04/22 14:00

Lab Sample ID: 570-83671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Arsenic	**3.07**		2.46		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Barium	**98.4**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Beryllium	**0.324**		0.246		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Cadmium	**1.77**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Cobalt	**5.87**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Chromium	**16.8**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Copper	**10.7**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Molybdenum	**0.772**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Nickel	**15.6**		0.493		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Antimony	ND		2.96		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Selenium	ND		4.93		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Thallium	ND		4.93		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Vanadium	**27.9**		0.985		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Zinc	**143**		9.85		mg/Kg		02/09/22 12:40	02/09/22 19:51	1
Lead	**6.54**		4.93		mg/Kg		02/09/22 12:40	02/09/22 19:51	1

Client: Roux Associates, Inc.
Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-SST_SO-W-S
Lab Sample ID: 570-83671-1
Date Collected: 02/01/22 13:26
Matrix: Solid
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		02/09/22 14:30	02/09/22 16:48	1

Client Sample ID: Unit-2-SST_SO-W-N
Lab Sample ID: 570-83671-2
Date Collected: 02/01/22 13:50
Matrix: Solid
Date Received: 02/04/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		02/09/22 14:30	02/09/22 16:50	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-83671-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
440-294958-B-1-A MS	Matrix Spike	104
440-294958-B-1-B MSD	Matrix Spike Duplicate	99
570-83671-1	Unit-2-SST_SO-W-S	51 S1-
570-83671-2	Unit-2-SST_SO-W-N	100
LCS 570-211727/2-A	Lab Control Sample	105
LCSD 570-211727/3-A	Lab Control Sample Dup	97
MB 570-211727/1-A	Method Blank	98

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
570-83615-A-1-C MS	Matrix Spike	60	67
570-83615-A-1-D MSD	Matrix Spike Duplicate	58	65
570-83671-1	Unit-2-SST_SO-W-S	77	111
570-83671-1 - DL	Unit-2-SST_SO-W-S	95	153
570-83671-2	Unit-2-SST_SO-W-N	60	71
LCS 570-211453/6-A	Lab Control Sample	72	84
LCSD 570-211453/7-A	Lab Control Sample Dup	66	69
MB 570-211453/1-A	Method Blank	70	81

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-211727/1-A
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C7 as C7	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C8 as C8	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C9-C10	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C11-C12	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C13-C14	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C15-C16	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C17-C18	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C19-C20	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C21-C22	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C23-C24	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C25-C28	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C29-C32	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C33-C36	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C37-C40	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C41-C44	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
C6-C44	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		02/07/22 13:02	02/07/22 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*98*		*60 - 138*	*02/07/22 13:02*	*02/07/22 20:53*	*1*

Lab Sample ID: LCS 570-211727/2-A
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	383.0		mg/Kg		96	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*105*		*60 - 138*

Lab Sample ID: LCSD 570-211727/3-A
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	364.9		mg/Kg		91	80 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*97*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-294958-B-1-A MS
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	11		399	395.3		mg/Kg		96	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Lab Sample ID: 440-294958-B-1-B MSD
Matrix: Solid
Analysis Batch: 211741

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 211727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	11		404	400.3		mg/Kg		97	43 - 165	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*99*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-211453/1-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1221	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1232	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1242	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1248	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1254	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1260	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1262	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1
Aroclor-1268	ND		50		ug/Kg		02/04/22 16:57	02/07/22 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*70*		*25 - 126*	*02/04/22 16:57*	*02/07/22 10:44*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*20 - 155*	*02/04/22 16:57*	*02/07/22 10:44*	*1*

Lab Sample ID: LCS 570-211453/6-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	94.05		ug/Kg		94	50 - 142
Aroclor-1260	100	99.69		ug/Kg		100	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*72*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-211453/6-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211453

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	84		20 - 155

Lab Sample ID: LCSD 570-211453/7-A
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 211453

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	87.09		ug/Kg		87	50 - 142	8	30
Aroclor-1260			100	91.50		ug/Kg		91	50 - 150	9	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	66		25 - 126
DCB Decachlorobiphenyl (Surr)	69		20 - 155

Lab Sample ID: 570-83615-A-1-C MS
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 211453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.3	83.43		ug/Kg		84	20 - 175
Aroclor-1260	ND		99.3	85.38		ug/Kg		86	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	60		25 - 126
DCB Decachlorobiphenyl (Surr)	67		20 - 155

Lab Sample ID: 570-83615-A-1-D MSD
Matrix: Solid
Analysis Batch: 211574

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 211453

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.2	79.80		ug/Kg		80	20 - 175	4	40
Aroclor-1260	ND		99.2	81.55		ug/Kg		82	20 - 180	5	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	58		25 - 126
DCB Decachlorobiphenyl (Surr)	65		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-212191/1-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Arsenic	ND		2.63		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Barium	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-212191/1-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.263		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Cadmium	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Cobalt	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Chromium	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Copper	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Molybdenum	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Nickel	ND		0.526		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Antimony	ND		3.16		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Selenium	ND		5.26		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Thallium	ND		5.26		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Vanadium	ND		1.05		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Zinc	ND		10.5		mg/Kg		02/09/22 12:40	02/09/22 18:41	1
Lead	ND		5.26		mg/Kg		02/09/22 12:40	02/09/22 18:41	1

Lab Sample ID: LCS 570-212191/2-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	13.1	12.42		mg/Kg		95	80 - 120
Arsenic	26.2	24.13		mg/Kg		92	80 - 120
Barium	26.2	26.78		mg/Kg		102	80 - 120
Beryllium	26.2	26.51		mg/Kg		101	80 - 120
Cadmium	26.2	26.67		mg/Kg		102	80 - 120
Cobalt	26.2	26.33		mg/Kg		101	80 - 120
Chromium	26.2	24.54		mg/Kg		94	80 - 120
Copper	26.2	25.75		mg/Kg		98	80 - 120
Molybdenum	26.2	24.96		mg/Kg		95	80 - 120
Nickel	26.2	26.20		mg/Kg		100	80 - 120
Antimony	26.2	25.42		mg/Kg		97	80 - 120
Selenium	26.2	26.00		mg/Kg		99	80 - 120
Thallium	26.2	25.53		mg/Kg		98	80 - 120
Vanadium	26.2	24.68		mg/Kg		94	80 - 120
Zinc	26.2	27.07		mg/Kg		103	80 - 120
Lead	26.2	25.74		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 570-212191/3-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	13.1	12.46		mg/Kg		95	80 - 120	0	20
Arsenic	26.2	24.06		mg/Kg		92	80 - 120	0	20
Barium	26.2	26.96		mg/Kg		103	80 - 120	1	20
Beryllium	26.2	26.45		mg/Kg		101	80 - 120	0	20
Cadmium	26.2	26.75		mg/Kg		102	80 - 120	0	20
Cobalt	26.2	26.26		mg/Kg		100	80 - 120	0	20
Chromium	26.2	24.59		mg/Kg		94	80 - 120	0	20
Copper	26.2	25.88		mg/Kg		99	80 - 120	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-212191/3-A
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	26.2	25.24		mg/Kg		96	80 - 120	1	20
Nickel	26.2	26.22		mg/Kg		100	80 - 120	0	20
Antimony	26.2	25.86		mg/Kg		99	80 - 120	2	20
Selenium	26.2	26.31		mg/Kg		101	80 - 120	1	20
Thallium	26.2	25.72		mg/Kg		98	80 - 120	1	20
Vanadium	26.2	24.71		mg/Kg		94	80 - 120	0	20
Zinc	26.2	27.17		mg/Kg		104	80 - 120	0	20
Lead	26.2	25.85		mg/Kg		99	80 - 120	0	20

Lab Sample ID: 570-83541-A-5-F MS
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		13.0	10.77		mg/Kg		83	75 - 125
Arsenic	ND		25.9	25.14		mg/Kg		96	75 - 125
Barium	4.48	F1	25.9	73.33	F1	mg/Kg		266	75 - 125
Beryllium	ND		25.9	26.41		mg/Kg		102	75 - 125
Cadmium	ND		25.9	25.47		mg/Kg		98	75 - 125
Cobalt	0.515		25.9	29.43		mg/Kg		112	75 - 125
Chromium	0.728		25.9	32.84		mg/Kg		124	75 - 125
Copper	0.423		25.9	28.50		mg/Kg		108	75 - 125
Molybdenum	0.125		25.9	24.75		mg/Kg		95	75 - 125
Nickel	0.528		25.9	31.93		mg/Kg		121	75 - 125
Antimony	ND	F1	25.9	6.591	F1	mg/Kg		25	75 - 125
Selenium	ND		25.9	22.96		mg/Kg		89	75 - 125
Thallium	ND		25.9	22.67		mg/Kg		88	75 - 125
Vanadium	1.27	F1	25.9	37.58	F1	mg/Kg		140	75 - 125
Zinc	1.96	F1	25.9	46.10	F1	mg/Kg		170	75 - 125
Lead	ND		25.9	26.30		mg/Kg		101	75 - 125

Lab Sample ID: 570-83541-A-5-G MSD
Matrix: Solid
Analysis Batch: 212372

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 212191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		13.2	10.96		mg/Kg		83	75 - 125	2	20
Arsenic	ND		26.3	25.41		mg/Kg		96	75 - 125	1	20
Barium	4.48	F1	26.3	73.95	F1	mg/Kg		264	75 - 125	1	20
Beryllium	ND		26.3	26.81		mg/Kg		102	75 - 125	1	20
Cadmium	ND		26.3	25.82		mg/Kg		98	75 - 125	1	20
Cobalt	0.515		26.3	30.02		mg/Kg		112	75 - 125	2	20
Chromium	0.728		26.3	33.21		mg/Kg		123	75 - 125	1	20
Copper	0.423		26.3	28.82		mg/Kg		108	75 - 125	1	20
Molybdenum	0.125		26.4	25.14		mg/Kg		95	75 - 125	2	20
Nickel	0.528		26.3	32.29		mg/Kg		121	75 - 125	1	20
Antimony	ND	F1	26.3	6.782	F1	mg/Kg		26	75 - 125	3	20
Selenium	ND		26.3	22.71		mg/Kg		86	75 - 125	1	20
Thallium	ND		26.3	22.74		mg/Kg		86	75 - 125	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-83541-A-5-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 212372 — **Prep Batch: 212191**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	1.27	F1	26.3	38.25	F1	mg/Kg		141	75 - 125	2	20
Zinc	1.96	F1	26.3	46.58	F1	mg/Kg		170	75 - 125	1	20
Lead	ND		26.3	26.64		mg/Kg		100	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-212167/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 212244 — **Prep Batch: 212167**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		02/09/22 11:09	02/09/22 14:04	1

Lab Sample ID: LCS 570-212167/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 212244 — **Prep Batch: 212167**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.820	0.7623		mg/Kg		93	85 - 121

Lab Sample ID: LCSD 570-212167/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 212244 — **Prep Batch: 212167**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.7744		mg/Kg		93	85 - 121	2	10

Lab Sample ID: 570-83891-A-9-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 212244 — **Prep Batch: 212167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.327		0.794	0.9050		mg/Kg		73	71 - 137

Lab Sample ID: 570-83891-A-9-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 212244 — **Prep Batch: 212167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.327		0.806	0.9247		mg/Kg		74	71 - 137	2	14

GC Semi VOA

Prep Batch: 211453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	3546	
570-83671-1 - DL	Unit-2-SST_SO-W-S	Total/NA	Solid	3546	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	3546	
MB 570-211453/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-211453/6-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-211453/7-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-83615-A-1-C MS	Matrix Spike	Total/NA	Solid	3546	
570-83615-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 211574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	8082	211453
570-83671-1 - DL	Unit-2-SST_SO-W-S	Total/NA	Solid	8082	211453
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	8082	211453
MB 570-211453/1-A	Method Blank	Total/NA	Solid	8082	211453
LCS 570-211453/6-A	Lab Control Sample	Total/NA	Solid	8082	211453
LCSD 570-211453/7-A	Lab Control Sample Dup	Total/NA	Solid	8082	211453
570-83615-A-1-C MS	Matrix Spike	Total/NA	Solid	8082	211453
570-83615-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	211453

Prep Batch: 211727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	3550C	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	3550C	
MB 570-211727/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-211727/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-211727/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
440-294958-B-1-A MS	Matrix Spike	Total/NA	Solid	3550C	
440-294958-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 211741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-211727/1-A	Method Blank	Total/NA	Solid	8015B	211727
LCS 570-211727/2-A	Lab Control Sample	Total/NA	Solid	8015B	211727
LCSD 570-211727/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	211727
440-294958-B-1-A MS	Matrix Spike	Total/NA	Solid	8015B	211727
440-294958-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	211727

Analysis Batch: 212033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	8015B	211727
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	8015B	211727

Metals

Prep Batch: 212167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	7471A	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	7471A	
MB 570-212167/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-212167/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 212167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-212167/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-83891-A-9-B MS	Matrix Spike	Total/NA	Solid	7471A	
570-83891-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Prep Batch: 212191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	3050B	
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	3050B	
MB 570-212191/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-212191/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-212191/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-83541-A-5-F MS	Matrix Spike	Total/NA	Solid	3050B	
570-83541-A-5-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 212244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	7471A	212167
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	7471A	212167
MB 570-212167/1-A	Method Blank	Total/NA	Solid	7471A	212167
LCS 570-212167/2-A	Lab Control Sample	Total/NA	Solid	7471A	212167
LCSD 570-212167/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	212167
570-83891-A-9-B MS	Matrix Spike	Total/NA	Solid	7471A	212167
570-83891-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	212167

Analysis Batch: 212372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-83671-1	Unit-2-SST_SO-W-S	Total/NA	Solid	6010B	212191
570-83671-2	Unit-2-SST_SO-W-N	Total/NA	Solid	6010B	212191
MB 570-212191/1-A	Method Blank	Total/NA	Solid	6010B	212191
LCS 570-212191/2-A	Lab Control Sample	Total/NA	Solid	6010B	212191
LCSD 570-212191/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	212191
570-83541-A-5-F MS	Matrix Spike	Total/NA	Solid	6010B	212191
570-83541-A-5-G MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	212191

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Client Sample ID: Unit-2-SST_SO-W-S
Lab Sample ID: 570-83671-1
Date Collected: 02/01/22 13:26
Matrix: Solid
Date Received: 02/04/22 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.23 g	10 mL	211727	02/07/22 13:02	UFLU	ECL 1
Total/NA	Analysis	8015B		1			212033	02/09/22 11:23	A1W	ECL 1
	Instrument ID: GC93A									
Total/NA	Prep	3546			20.13 g	10 mL	211453	02/04/22 17:00	USUL	ECL 1
Total/NA	Analysis	8082		100			211574	02/07/22 11:56	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.13 g	10 mL	211453	02/04/22 17:00	USUL	ECL 1
Total/NA	Analysis	8082	DL	1000			211574	02/07/22 12:14	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	212191	02/09/22 12:40		ECL 4
Total/NA	Analysis	6010B		1			212372	02/09/22 19:53	UWCT	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.58 g	100 mL	212167	02/09/22 14:30	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			212244	02/09/22 16:48	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST_SO-W-N
Lab Sample ID: 570-83671-2
Date Collected: 02/01/22 13:50
Matrix: Solid
Date Received: 02/04/22 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.87 g	10 mL	211727	02/07/22 13:02	UFLU	ECL 1
Total/NA	Analysis	8015B		1			212033	02/09/22 11:53	A1W	ECL 1
	Instrument ID: GC93A									
Total/NA	Prep	3546			20.11 g	10 mL	211453	02/04/22 17:01	USUL	ECL 1
Total/NA	Analysis	8082		1			211574	02/07/22 12:32	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	212191	02/09/22 12:40		ECL 4
Total/NA	Analysis	6010B		1			212372	02/09/22 19:51	UWCT	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.60 g	100 mL	212167	02/09/22 14:30	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			212244	02/09/22 16:50	VWJ7	ECL 4
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc. Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Job ID: 570-83671-1
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 4
7471A	Mercury (CVAA)	SW846	ECL 4
3050B	Preparation, Metals	SW846	ECL 4
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center / 3653.0001L000

Job ID: 570-83671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-83671-1	Unit-2-SST_SO-W-S	Solid	02/01/22 13:26	02/04/22 14:00
570-83671-2	Unit-2-SST_SO-W-N	Solid	02/01/22 13:50	02/04/22 14:00

eurofins | Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information contact us26_sales@eurofinsus com or call us

570-83671 Chain of Custody

CHAIN OF CUSTODY RECORD

83671

DATE: 2/1/2022

PAGE: 1 OF 1

LABORATORY CLIENT: Roux Associates, Inc	Etiwanda Commerce Center / 3653 0001L000
ADDRESS: 5150 Pacific Coast Hwy Suite 450	PO NO
CITY: Long Beach, STATE: CA ZIP: 90804	PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi
TEL: (818) 726-4265 / (610) 246-3352 / (818) 383-2312	SAMPLER(S) (PRINT): Drew Williams
E-MAIL: mnelson@rouxinc com / dwilliams@rouxinc com / mnishibayashi@rouxinc.com	

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE

SPECIAL INSTRUCTIONS.

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6
1	Unit-2-SST_SO-W-S	2/1/22	1326	Powder	2	X					X								X		X	
2	Unit-2-SST_SO-W-N	2/1/22	1350	Powder	2	X					X								X		X	

Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time
Drew Williams	Rudy C	2/4/22	1136
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time
Rudy C	Mandee Lei	2/4/22	1400
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time

20/35 SUB

06/02/14 Revision

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-83671-1

Login Number: 83671
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-84590-1
Client Project/Site: Etiwanda Commerce Center/3653.0001L000

For:
Roux Associates, Inc.
5150 E Pacific Coast Highway
Suite 450
Long Beach, California 90804

Attn: Matthew Nelson

Virendra R Patel

Authorized for release by:
2/23/2022 11:18:56 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Roux Associates, Inc. Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Roux Associates, Inc. Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-84590-1

Comments
No additional comments.

Receipt
The samples were received on 2/15/2022 5:49 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): Unit-2-SST-SO-W-S1 (570-84590-1). The container labels list Unit-2-SST-SO-W-S2 while the COC lists Unit-2-SST-SO-W-S1 .

The clients office was contacted with the above sample receipt anomalies. The laboratory was provided written direction on how to proceed, please refer to the COC section of the report for further details.

GC Semi VOA
Method 8082: The following sample required a dilution due to the nature of the sample matrix: Unit-2-SST-SO-W-W (570-84590-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-214171 and analytical batch 570-214730 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: Due to the high concentration of Barium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-214171 and analytical batch 570-214730 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Client Sample ID: Unit-2-SST-SO-W-S1

Lab Sample ID: 570-84590-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C21-C22	14		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	26		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	40		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	31		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	17		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	140		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	87		4.9		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	31000		5000		ug/Kg	100		8082	Total/NA
Arsenic	3.17		2.53		mg/Kg	1		6010B	Total/NA
Barium	110		0.505		mg/Kg	1		6010B	Total/NA
Beryllium	0.390		0.253		mg/Kg	1		6010B	Total/NA
Cadmium	1.12		0.505		mg/Kg	1		6010B	Total/NA
Cobalt	9.43		1.01		mg/Kg	1		6010B	Total/NA
Chromium	19.0		1.01		mg/Kg	1		6010B	Total/NA
Copper	14.8		1.01		mg/Kg	1		6010B	Total/NA
Molybdenum	0.712		0.505		mg/Kg	1		6010B	Total/NA
Nickel	15.9		0.505		mg/Kg	1		6010B	Total/NA
Vanadium	37.2		1.01		mg/Kg	1		6010B	Total/NA
Zinc	88.9		10.1		mg/Kg	1		6010B	Total/NA
Lead	5.17		5.05		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST-SO-W-W

Lab Sample ID: 570-84590-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	6.4		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	26		5.0		mg/Kg	1		8015B	Total/NA
C23-C24	49		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	64		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	41		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	21		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	220		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	150		5.0		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL2	110000	p	50000		ug/Kg	1000		8082	Total/NA
Arsenic	3.97		2.48		mg/Kg	1		6010B	Total/NA
Barium	94.6		0.495		mg/Kg	1		6010B	Total/NA
Beryllium	0.373		0.248		mg/Kg	1		6010B	Total/NA
Cadmium	0.668		0.495		mg/Kg	1		6010B	Total/NA
Cobalt	9.80		0.990		mg/Kg	1		6010B	Total/NA
Chromium	18.4		0.990		mg/Kg	1		6010B	Total/NA
Copper	14.5		0.990		mg/Kg	1		6010B	Total/NA
Molybdenum	1.11		0.495		mg/Kg	1		6010B	Total/NA
Nickel	15.7		0.495		mg/Kg	1		6010B	Total/NA
Vanadium	33.7		0.990		mg/Kg	1		6010B	Total/NA
Zinc	49.7		9.90		mg/Kg	1		6010B	Total/NA

Client Sample ID: Unit-2-SST-SO-W-SW

Lab Sample ID: 570-84590-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	5.4		5.1		mg/Kg	1		8015B	Total/NA
C21-C22	17		5.1		mg/Kg	1		8015B	Total/NA
C23-C24	29		5.1		mg/Kg	1		8015B	Total/NA
C25-C28	58		5.1		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Unit-2-SST-SO-W-SW (Continued)

Lab Sample ID: 570-84590-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C29-C32	45		5.1		mg/Kg	1		8015B	Total/NA
C33-C36	23		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	190		5.1		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	110		5.1		mg/Kg	1		8015B	Total/NA
Aroclor-1260 - DL	24000		5000		ug/Kg	100		8082	Total/NA
Arsenic	2.84		2.53		mg/Kg	1		6010B	Total/NA
Barium	93.0		0.505		mg/Kg	1		6010B	Total/NA
Beryllium	0.390		0.253		mg/Kg	1		6010B	Total/NA
Cadmium	0.714		0.505		mg/Kg	1		6010B	Total/NA
Cobalt	10.5		1.01		mg/Kg	1		6010B	Total/NA
Chromium	15.5		1.01		mg/Kg	1		6010B	Total/NA
Copper	11.2		1.01		mg/Kg	1		6010B	Total/NA
Molybdenum	0.639		0.505		mg/Kg	1		6010B	Total/NA
Nickel	12.2		0.505		mg/Kg	1		6010B	Total/NA
Vanadium	33.8		1.01		mg/Kg	1		6010B	Total/NA
Zinc	49.5		10.1		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST-SO-W-S1
Lab Sample ID: 570-84590-1
Date Collected: 02/15/22 09:36
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C7 as C7	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C8 as C8	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C9-C10	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C11-C12	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C13-C14	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C15-C16	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C17-C18	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C19-C20	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C21-C22	**14**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C23-C24	**26**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C25-C28	**40**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C29-C32	**31**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C33-C36	**17**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C37-C40	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C41-C44	ND		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
C6-C44	**140**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1
Diesel Range Organics [C10-C28]	**87**		4.9		mg/Kg		02/19/22 08:43	02/22/22 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*60 - 138*	*02/19/22 08:43*	*02/22/22 03:14*	*1*

Client Sample ID: Unit-2-SST-SO-W-W
Lab Sample ID: 570-84590-2
Date Collected: 02/15/22 09:48
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C7 as C7	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C8 as C8	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C9-C10	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C11-C12	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C13-C14	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C15-C16	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C17-C18	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C19-C20	**6.4**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C21-C22	**26**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C23-C24	**49**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C25-C28	**64**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C29-C32	**41**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C33-C36	**21**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C37-C40	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C41-C44	ND		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
C6-C44	**220**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1
Diesel Range Organics [C10-C28]	**150**		5.0		mg/Kg		02/19/22 08:43	02/22/22 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*60 - 138*	*02/19/22 08:43*	*02/22/22 03:40*	*1*

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C7 as C7	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C8 as C8	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C9-C10	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C11-C12	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C13-C14	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C15-C16	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C17-C18	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C19-C20	**5.4**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C21-C22	**17**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C23-C24	**29**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C25-C28	**58**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C29-C32	**45**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C33-C36	**23**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C37-C40	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C41-C44	ND		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
C6-C44	**190**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1
Diesel Range Organics [C10-C28]	**110**		5.1		mg/Kg		02/19/22 08:43	02/22/22 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*60 - 138*	*02/19/22 08:43*	*02/22/22 04:07*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: Unit-2-SST-SO-W-S1
Date Collected: 02/15/22 09:36
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*61*		*25 - 126*	*02/17/22 16:19*	*02/19/22 18:01*	*1*
DCB Decachlorobiphenyl (Surr)	*57*		*20 - 155*	*02/17/22 16:19*	*02/19/22 18:01*	*1*

Client Sample ID: Unit-2-SST-SO-W-W
Date Collected: 02/15/22 09:48
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*63*		*25 - 126*	*02/17/22 16:19*	*02/19/22 18:19*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*20 - 155*	*02/17/22 16:19*	*02/19/22 18:19*	*1*

Client Sample ID: Unit-2-SST-SO-W-SW
Date Collected: 02/15/22 10:04
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*73*		*25 - 126*	*02/17/22 16:19*	*02/19/22 18:37*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 155*	*02/17/22 16:19*	*02/19/22 18:37*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL

Client Sample ID: Unit-2-SST-SO-W-S1
Lab Sample ID: 570-84590-1
Date Collected: 02/15/22 09:36
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	31000		5000		ug/Kg		02/17/22 16:19	02/21/22 11:59	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 126*	*02/17/22 16:19*	*02/21/22 11:59*	*100*
DCB Decachlorobiphenyl (Surr)	*73*		*20 - 155*	*02/17/22 16:19*	*02/21/22 11:59*	*100*

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	24000		5000		ug/Kg		02/17/22 16:19	02/21/22 12:35	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*	*02/17/22 16:19*	*02/21/22 12:35*	*100*
DCB Decachlorobiphenyl (Surr)	*132*		*20 - 155*	*02/17/22 16:19*	*02/21/22 12:35*	*100*

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Client Sample ID: Unit-2-SST-SO-W-W
Lab Sample ID: 570-84590-2
Date Collected: 02/15/22 09:48
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1260	110000	p	50000		ug/Kg		02/17/22 16:19	02/21/22 12:53	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*111*		*25 - 126*	*02/17/22 16:19*	*02/21/22 12:53*	*1000*
DCB Decachlorobiphenyl (Surr)	*164*	*S1+*	*20 - 155*	*02/17/22 16:19*	*02/21/22 12:53*	*1000*

Method: 6010B - Metals (ICP)

Client Sample ID: Unit-2-SST-SO-W-S1
Date Collected: 02/15/22 09:36
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Arsenic	**3.17**		2.53		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Barium	**110**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Beryllium	**0.390**		0.253		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Cadmium	**1.12**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Cobalt	**9.43**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Chromium	**19.0**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Copper	**14.8**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Molybdenum	**0.712**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Nickel	**15.9**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Antimony	ND		3.03		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Selenium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Thallium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Vanadium	**37.2**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Zinc	**88.9**		10.1		mg/Kg		02/21/22 09:10	02/22/22 11:20	1
Lead	**5.17**		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:20	1

Client Sample ID: Unit-2-SST-SO-W-W
Date Collected: 02/15/22 09:48
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Arsenic	**3.97**		2.48		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Barium	**94.6**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Beryllium	**0.373**		0.248		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Cadmium	**0.668**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Cobalt	**9.80**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Chromium	**18.4**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Copper	**14.5**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Molybdenum	**1.11**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Nickel	**15.7**		0.495		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Antimony	ND		2.97		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Selenium	ND		4.95		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Thallium	ND		4.95		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Vanadium	**33.7**		0.990		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Zinc	**49.7**		9.90		mg/Kg		02/21/22 09:10	02/22/22 11:23	1
Lead	ND		4.95		mg/Kg		02/21/22 09:10	02/22/22 11:23	1

Client Sample ID: Unit-2-SST-SO-W-SW
Date Collected: 02/15/22 10:04
Date Received: 02/15/22 17:49
Lab Sample ID: 570-84590-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Arsenic	**2.84**		2.53		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Barium	**93.0**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Beryllium	**0.390**		0.253		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Cadmium	**0.714**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Cobalt	**10.5**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Chromium	**15.5**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Copper	**11.2**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	**0.639**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Nickel	**12.2**		0.505		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Antimony	ND		3.03		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Selenium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Thallium	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Vanadium	**33.8**		1.01		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Zinc	**49.5**		10.1		mg/Kg		02/21/22 09:10	02/22/22 11:26	1
Lead	ND		5.05		mg/Kg		02/21/22 09:10	02/22/22 11:26	1

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Method: 7471A - Mercury (CVAA)

Client Sample ID: Unit-2-SST-SO-W-S1
Lab Sample ID: 570-84590-1
Date Collected: 02/15/22 09:36
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		02/18/22 16:24	02/21/22 16:49	1

Client Sample ID: Unit-2-SST-SO-W-W
Lab Sample ID: 570-84590-2
Date Collected: 02/15/22 09:48
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		02/18/22 16:24	02/21/22 16:51	1

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		02/18/22 16:24	02/21/22 16:57	1

Surrogate Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-84590-1	Unit-2-SST-SO-W-S1	86
570-84590-2	Unit-2-SST-SO-W-W	90
570-84590-3	Unit-2-SST-SO-W-SW	94
570-84695-D-43-B MS	Matrix Spike	108
570-84695-D-43-C MSD	Matrix Spike Duplicate	103
LCS 570-214204/2-A	Lab Control Sample	114
LCSD 570-214204/3-A	Lab Control Sample Dup	116
MB 570-214204/1-A	Method Blank	111

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-126)	(20-155)
570-84590-1	Unit-2-SST-SO-W-S1	61	57
570-84590-1 - DL	Unit-2-SST-SO-W-S1	66	73
570-84590-2	Unit-2-SST-SO-W-W	63	110
570-84590-2 - DL2	Unit-2-SST-SO-W-W	111	164 S1+
570-84590-3	Unit-2-SST-SO-W-SW	73	92
570-84590-3 - DL	Unit-2-SST-SO-W-SW	78	132
570-84675-A-7-C MS	Matrix Spike	70	64
570-84675-A-7-D MSD	Matrix Spike Duplicate	69	62
LCS 570-213917/6-A	Lab Control Sample	84	90
LCSD 570-213917/7-A	Lab Control Sample Dup	80	89
MB 570-213917/1-A	Method Blank	79	87

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-214204/1-A
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C7 as C7	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C8 as C8	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C9-C10	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C11-C12	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C13-C14	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C15-C16	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C17-C18	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C19-C20	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C21-C22	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C23-C24	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C25-C28	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C29-C32	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C33-C36	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C37-C40	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C41-C44	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
C6-C44	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		02/18/22 17:49	02/18/22 22:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*111*		*60 - 138*	*02/18/22 17:49*	*02/18/22 22:21*	*1*

Lab Sample ID: LCS 570-214204/2-A
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	420.6		mg/Kg		105	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*114*		*60 - 138*

Lab Sample ID: LCSD 570-214204/3-A
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	412.8		mg/Kg		103	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*116*		*60 - 138*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-84695-D-43-B MS
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	35		391	594.9		mg/Kg		143	43 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: 570-84695-D-43-C MSD
Matrix: Solid
Analysis Batch: 214214

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 214204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	35		392	447.8		mg/Kg		105	43 - 165	28	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*103*		*60 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-213917/1-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 213917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1221	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1232	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1242	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1248	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1254	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1260	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1262	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1
Aroclor-1268	ND		50		ug/Kg		02/17/22 16:19	02/19/22 21:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*	*02/17/22 16:19*	*02/19/22 21:00*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*20 - 155*	*02/17/22 16:19*	*02/19/22 21:00*	*1*

Lab Sample ID: LCS 570-213917/6-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	100	105.0		ug/Kg		105	50 - 142
Aroclor-1260	100	100.3		ug/Kg		100	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*84*		*25 - 126*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-213917/6-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213917

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	90		20 - 155

Lab Sample ID: LCSD 570-213917/7-A
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 213917

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	90.73		ug/Kg		91	50 - 142	15	30
Aroclor-1260			100	98.82		ug/Kg		99	50 - 150	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	80		25 - 126
DCB Decachlorobiphenyl (Surr)	89		20 - 155

Lab Sample ID: 570-84675-A-7-C MS
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 213917

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.6	118.3		ug/Kg		119	20 - 175
Aroclor-1260	ND		99.6	104.4		ug/Kg		105	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	70		25 - 126
DCB Decachlorobiphenyl (Surr)	64		20 - 155

Lab Sample ID: 570-84675-A-7-D MSD
Matrix: Solid
Analysis Batch: 214333

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 213917

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		98.5	98.62		ug/Kg		100	20 - 175	18	40
Aroclor-1260	ND		98.5	97.95		ug/Kg		99	20 - 180	6	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	69		25 - 126
DCB Decachlorobiphenyl (Surr)	62		20 - 155

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-214171/1-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Arsenic	ND		2.50		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Barium	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-214171/1-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.250		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Cadmium	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Cobalt	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Chromium	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Copper	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Molybdenum	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Nickel	ND		0.500		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Antimony	ND		3.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Selenium	ND		5.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Thallium	ND		5.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Vanadium	ND		1.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Zinc	ND		10.0		mg/Kg		02/21/22 09:10	02/22/22 10:51	1
Lead	ND		5.00		mg/Kg		02/21/22 09:10	02/22/22 10:51	1

Lab Sample ID: LCS 570-214171/2-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	13.0	14.02		mg/Kg		108	80 - 120
Arsenic	25.9	27.86		mg/Kg		108	80 - 120
Barium	25.9	28.70		mg/Kg		111	80 - 120
Beryllium	25.9	26.08		mg/Kg		101	80 - 120
Cadmium	25.9	29.69		mg/Kg		115	80 - 120
Cobalt	25.9	28.00		mg/Kg		108	80 - 120
Chromium	25.9	27.22		mg/Kg		105	80 - 120
Copper	25.9	28.43		mg/Kg		110	80 - 120
Molybdenum	25.9	28.95		mg/Kg		112	80 - 120
Nickel	25.9	28.37		mg/Kg		109	80 - 120
Antimony	25.9	28.56		mg/Kg		110	80 - 120
Selenium	25.9	26.86		mg/Kg		104	80 - 120
Thallium	25.9	29.14		mg/Kg		112	80 - 120
Vanadium	25.9	27.96		mg/Kg		108	80 - 120
Zinc	25.9	29.51		mg/Kg		114	80 - 120
Lead	25.9	29.23		mg/Kg		113	80 - 120

Lab Sample ID: LCSD 570-214171/3-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	13.1	14.25		mg/Kg		109	80 - 120	2	20
Arsenic	26.2	28.24		mg/Kg		108	80 - 120	1	20
Barium	26.2	28.98		mg/Kg		111	80 - 120	1	20
Beryllium	26.2	26.52		mg/Kg		101	80 - 120	2	20
Cadmium	26.2	30.18		mg/Kg		115	80 - 120	2	20
Cobalt	26.2	28.46		mg/Kg		109	80 - 120	2	20
Chromium	26.2	27.29		mg/Kg		104	80 - 120	0	20
Copper	26.2	28.78		mg/Kg		110	80 - 120	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-214171/3-A
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	26.2	29.46		mg/Kg		112	80 - 120	2	20
Nickel	26.2	28.81		mg/Kg		110	80 - 120	2	20
Antimony	26.2	28.77		mg/Kg		110	80 - 120	1	20
Selenium	26.2	27.37		mg/Kg		105	80 - 120	2	20
Thallium	26.2	29.59		mg/Kg		113	80 - 120	2	20
Vanadium	26.2	28.43		mg/Kg		109	80 - 120	2	20
Zinc	26.2	29.83		mg/Kg		114	80 - 120	1	20
Lead	26.2	29.58		mg/Kg		113	80 - 120	1	20

Lab Sample ID: 570-84044-A-1-I MS
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.6	13.88		mg/Kg		110	75 - 125
Arsenic	5.45		25.3	31.70		mg/Kg		104	75 - 125
Barium	130		25.3	166.8	4	mg/Kg		145	75 - 125
Beryllium	0.454		25.3	25.80		mg/Kg		100	75 - 125
Cadmium	0.799		25.3	25.66		mg/Kg		98	75 - 125
Cobalt	14.6		25.3	38.50		mg/Kg		95	75 - 125
Chromium	20.5		25.3	47.32		mg/Kg		106	75 - 125
Copper	24.9		25.3	48.68		mg/Kg		94	75 - 125
Molybdenum	0.757		25.3	24.82		mg/Kg		95	75 - 125
Nickel	17.3		25.3	45.24		mg/Kg		111	75 - 125
Antimony	ND	F1	25.3	11.47	F1	mg/Kg		39	75 - 125
Selenium	ND		25.3	19.56		mg/Kg		77	75 - 125
Thallium	ND		25.3	22.06		mg/Kg		87	75 - 125
Vanadium	34.8		25.3	61.09		mg/Kg		104	75 - 125
Zinc	75.7		25.3	99.87		mg/Kg		96	75 - 125
Lead	13.6		25.3	38.04		mg/Kg		97	75 - 125

Lab Sample ID: 570-84044-A-1-J MSD
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.5	13.93		mg/Kg		111	75 - 125	0	20
Arsenic	5.45		25.0	31.95		mg/Kg		106	75 - 125	1	20
Barium	130		25.0	167.8	4	mg/Kg		150	75 - 125	1	20
Beryllium	0.454		25.0	25.85		mg/Kg		102	75 - 125	0	20
Cadmium	0.799		25.0	25.85		mg/Kg		100	75 - 125	1	20
Cobalt	14.6		25.0	38.63		mg/Kg		96	75 - 125	0	20
Chromium	20.5		25.0	47.66		mg/Kg		109	75 - 125	1	20
Copper	24.9		25.0	48.97		mg/Kg		96	75 - 125	1	20
Molybdenum	0.757		25.0	25.24		mg/Kg		98	75 - 125	2	20
Nickel	17.3		25.0	45.90		mg/Kg		114	75 - 125	1	20
Antimony	ND	F1	25.0	12.14	F1	mg/Kg		42	75 - 125	6	20
Selenium	ND		25.0	20.04		mg/Kg		80	75 - 125	2	20
Thallium	ND		25.0	22.49		mg/Kg		90	75 - 125	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-84044-A-1-J MSD
Matrix: Solid
Analysis Batch: 214730

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 214171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	34.8		25.0	61.07		mg/Kg		105	75 - 125	0	20
Zinc	75.7		25.0	100.5		mg/Kg		99	75 - 125	1	20
Lead	13.6		25.0	38.54		mg/Kg		100	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-214186/1-A
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		02/18/22 16:24	02/21/22 16:12	1

Lab Sample ID: LCS 570-214186/2-A
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.820	0.7919		mg/Kg		97	85 - 121

Lab Sample ID: LCSD 570-214186/3-A
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.8150		mg/Kg		98	85 - 121	3	10

Lab Sample ID: 570-84545-E-6-A MS
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.820	0.8196		mg/Kg		100	71 - 137

Lab Sample ID: 570-84545-E-6-B MSD
Matrix: Solid
Analysis Batch: 214553

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 214186

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.806	0.8116		mg/Kg		101	71 - 137	1	14

GC Semi VOA

Prep Batch: 213917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	3546	
570-84590-1 - DL	Unit-2-SST-SO-W-S1	Total/NA	Solid	3546	
570-84590-2 - DL2	Unit-2-SST-SO-W-W	Total/NA	Solid	3546	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	3546	
570-84590-3 - DL	Unit-2-SST-SO-W-SW	Total/NA	Solid	3546	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	3546	
MB 570-213917/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-213917/6-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-213917/7-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-84675-A-7-C MS	Matrix Spike	Total/NA	Solid	3546	
570-84675-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 214204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	3550C	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	3550C	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	3550C	
MB 570-214204/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-214204/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-214204/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-84695-D-43-B MS	Matrix Spike	Total/NA	Solid	3550C	
570-84695-D-43-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 214214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-214204/1-A	Method Blank	Total/NA	Solid	8015B	214204
LCS 570-214204/2-A	Lab Control Sample	Total/NA	Solid	8015B	214204
LCSD 570-214204/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	214204
570-84695-D-43-B MS	Matrix Spike	Total/NA	Solid	8015B	214204
570-84695-D-43-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	214204

Analysis Batch: 214333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	8082	213917
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	8082	213917
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	8082	213917
MB 570-213917/1-A	Method Blank	Total/NA	Solid	8082	213917
LCS 570-213917/6-A	Lab Control Sample	Total/NA	Solid	8082	213917
LCSD 570-213917/7-A	Lab Control Sample Dup	Total/NA	Solid	8082	213917
570-84675-A-7-C MS	Matrix Spike	Total/NA	Solid	8082	213917
570-84675-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	213917

Analysis Batch: 214468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1 - DL	Unit-2-SST-SO-W-S1	Total/NA	Solid	8082	213917
570-84590-2 - DL2	Unit-2-SST-SO-W-W	Total/NA	Solid	8082	213917
570-84590-3 - DL	Unit-2-SST-SO-W-SW	Total/NA	Solid	8082	213917

Analysis Batch: 214564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	8015B	214204

GC Semi VOA (Continued)

Analysis Batch: 214564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	8015B	214204
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	8015B	214204

Metals

Prep Batch: 214171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	3050B	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	3050B	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	3050B	
MB 570-214171/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-214171/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-214171/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-84044-A-1-I MS	Matrix Spike	Total/NA	Solid	3050B	
570-84044-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 214186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	7471A	
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	7471A	
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	7471A	
MB 570-214186/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-214186/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-214186/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-84545-E-6-A MS	Matrix Spike	Total/NA	Solid	7471A	
570-84545-E-6-B MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 214553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	7471A	214186
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	7471A	214186
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	7471A	214186
MB 570-214186/1-A	Method Blank	Total/NA	Solid	7471A	214186
LCS 570-214186/2-A	Lab Control Sample	Total/NA	Solid	7471A	214186
LCSD 570-214186/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	214186
570-84545-E-6-A MS	Matrix Spike	Total/NA	Solid	7471A	214186
570-84545-E-6-B MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	214186

Analysis Batch: 214730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-84590-1	Unit-2-SST-SO-W-S1	Total/NA	Solid	6010B	214171
570-84590-2	Unit-2-SST-SO-W-W	Total/NA	Solid	6010B	214171
570-84590-3	Unit-2-SST-SO-W-SW	Total/NA	Solid	6010B	214171
MB 570-214171/1-A	Method Blank	Total/NA	Solid	6010B	214171
LCS 570-214171/2-A	Lab Control Sample	Total/NA	Solid	6010B	214171
LCSD 570-214171/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	214171
570-84044-A-1-I MS	Matrix Spike	Total/NA	Solid	6010B	214171
570-84044-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	214171

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Client Sample ID: Unit-2-SST-SO-W-S1
Lab Sample ID: 570-84590-1
Date Collected: 02/15/22 09:36
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.11 g	10 mL	214204	02/19/22 08:43	KG5J	ECL 4
Total/NA	Analysis	8015B		1			214564	02/22/22 03:14	A1W	ECL 1
	Instrument ID: GC69A									
Total/NA	Prep	3546			20.13 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082		1			214333	02/19/22 18:01	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.13 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			214468	02/21/22 11:59	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	214171	02/21/22 09:10		ECL 4
Total/NA	Analysis	6010B		1			214730	02/22/22 11:20	C0YH	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.63 g	100 mL	214186	02/18/22 16:24	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			214553	02/21/22 16:49	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST-SO-W-W
Lab Sample ID: 570-84590-2
Date Collected: 02/15/22 09:48
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.02 g	10 mL	214204	02/19/22 08:43	KG5J	ECL 4
Total/NA	Analysis	8015B		1			214564	02/22/22 03:40	A1W	ECL 1
	Instrument ID: GC69A									
Total/NA	Prep	3546			20.15 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082		1			214333	02/19/22 18:19	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL2		20.15 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082	DL2	1000	1 mL	1.0 mL	214468	02/21/22 12:53	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.02 g	100 mL	214171	02/21/22 09:10		ECL 4
Total/NA	Analysis	6010B		1			214730	02/22/22 11:23	C0YH	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.61 g	100 mL	214186	02/18/22 16:24	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			214553	02/21/22 16:51	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.85 g	10 mL	214204	02/19/22 08:43	KG5J	ECL 4
Total/NA	Analysis	8015B		1			214564	02/22/22 04:07	A1W	ECL 1
	Instrument ID: GC69A									

Lab Chronicle

Client: Roux Associates, Inc.
Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Client Sample ID: Unit-2-SST-SO-W-SW
Lab Sample ID: 570-84590-3
Date Collected: 02/15/22 10:04
Matrix: Solid
Date Received: 02/15/22 17:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.11 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082		1			214333	02/19/22 18:37	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546	DL		20.11 g	10 mL	213917	02/17/22 16:19	USUL	ECL 1
Total/NA	Analysis	8082	DL	100			214468	02/21/22 12:35	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	214171	02/21/22 09:10		ECL 4
Total/NA	Analysis	6010B		1			214730	02/22/22 11:26	C0YH	ECL 4
	Instrument ID: ICP9									
Total/NA	Prep	7471A			.59 g	100 mL	214186	02/18/22 16:24	VWJ7	ECL 4
Total/NA	Analysis	7471A		1			214553	02/21/22 16:57	VWJ7	ECL 4
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Roux Associates, Inc. Job ID: 570-84590-1
Project/Site: Etiwanda Commerce Center/3653.0001L000

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 4
7471A	Mercury (CVAA)	SW846	ECL 4
3050B	Preparation, Metals	SW846	ECL 4
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 4
7471A	Preparation, Mercury	SW846	ECL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Roux Associates, Inc.
Project/Site: Etiwanda Commerce Center/3653.0001L000

Job ID: 570-84590-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-84590-1	Unit-2-SST-SO-W-S1	Solid	02/15/22 09:36	02/15/22 17:49
570-84590-2	Unit-2-SST-SO-W-W	Solid	02/15/22 09:48	02/15/22 17:49
570-84590-3	Unit-2-SST-SO-W-SW	Solid	02/15/22 10:04	02/15/22 17:49

Patel, Virendra

From: Mark Nishibayashi <mnishibayashi@rouxinc.com>
Sent: Tuesday, February 22, 2022 8:12 AM
To: Patel, Virendra
Cc: Drew Williams; Matthew Nelson; Ian Cross
Subject: RE: <RESPONSE REQUESTED> Eurofins Calscience sample confirmation files from 570-84590-1 Etiwanda Commerce Center/3653.0001L000

EXTERNAL EMAIL*

Hi Virendra,

Please use the sample ID Unit-2-SST-SO-W-S1 as reflected on the sample login acknowledgment for sample #1. The sample IDs for samples #2 and #3 are correct as well.

Thank you,
Mark

Mark Nishibayashi | Project Geologist
5150 East Pacific Coast Highway, Suite 450, Long Beach, CA 90804
Main: 310.879.4900 | Direct: 310.879.4922 | Mobile: 818.383.2312
Email: mnishibayashi@rouxinc.com | Website: www.rouxinc.com

From: Virendra Patel <Virendra.Patel@eurofinset.com>
Sent: Wednesday, February 16, 2022 2:11 PM
To: Drew Williams <dwilliams@rouxinc.com>; Ian Cross <icross@rouxinc.com>; Matthew Nelson <mnelson@rouxinc.com>; Mark Nishibayashi <mnishibayashi@rouxinc.com>; Patel Virendra <Virendra.Patel@eurofinset.com>
Subject: <RESPONSE REQUESTED> Eurofins Calscience sample confirmation files from 570-84590-1 Etiwanda Commerce Center/3653.0001L000
Importance: High

This message originated outside your organization. Please use caution!

Hello,

Attached please find the sample confirmation files for job 570-84590-1; Etiwanda Commerce Center/3653.0001L000

1. The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): Unit-2-SST-SO-W-S1 (570-84590-1). The container labels list Unit-2-SST-SO-W-S2 while the COC lists Unit-2-SST-SO-W-S1.

ACTION: Please confirm and adivse which ID is to be used for sample #1. Pelase also confirm sample IDs as entered for #2/#3 are also correct as entered.

Thank you!

Please feel free to contact me if you have any questions.

Thank you.

Virendra Patel
Project Manager

Eurofins Calscience
Phone: 714-895-5494 Ext: 218

E-mail: Virendra.Patel@eurofinset.com
www.eurofinsus.com/env



Reference: [570-290103]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

* WARNING - EXTERNAL: This email originated from outside of Eurofins Environment Testing America. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!

eurofins | Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information contact us26_sales@eurofinsus.com or call us.

570-84590 Chain of Custody

84590
CHAIN OF CUSTODY RECORD

DATE: 2-15-2022

PAGE: 1 OF 1

LABORATORY CLIENT: Roux Associates, Inc	CLIENT PROJECT NAME / NUMBER: Etiwanda Commerce Center / 3653 0001L000
ADDRESS: 5150 Pacific Coast Hwy, Suite 450	PO NO
CITY: Long Beach, CA 90804 STATE: CA ZIP: 90804	PROJECT CONTACT: Matthew Nelson / Mark Nishibayashi
TEL: (818) 726-4265 / (610) 246-3352 / (818) 383-2312 E-MAIL: mnelson@rouxinc.com / dwilliams@rouxinc.com / mnishibayashi@rouxinc.com	SAMPLER(S): (PRINT) Ian Cross ~~Drew Williams~~

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE

SPECIAL INSTRUCTIONS.

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	unit-2-SST-SO-W-SZ	2-15-22	0936	Concrete Powder	(x2) 4oz. Jars						X								X		X				
2	unit-2-SST-SO-W-WS	2-15-22	0948	"	"						X								X		X				
3	unit-2-SST-SO-W-SW	2-15-22	1004	"	"						X								X		X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 2/15/22	Time 1749
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

06/02/14 Revision

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2/23/2022

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 570-84590-1

Login Number: 84590
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	