CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: 9/19/2011

REFERENCE NO.: 631000

PROJECT NAME: RO# 00000442

TO: Mr. Jerry Wickham
ACEH
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

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Environmental Health

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1	ADDITIONAL SITE ASSESSMENT REPORT

- ☐ As Requested
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- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions about this report, please call the Project Manager Robert Foss at 510-3348.

Copy to: Mr. Matt Bramblett, Hart & Hickman, PC
Ms. Angela Maidment, Estes Express Lines

Completed by: Robert Foss [Please Print]

Signed: Robert Foss

Filing: **Correspondence File**

ADDITIONAL SITE ASSESSMENT REPORT

G.I. TRUCKING COMPANY dba ESTES WEST
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

AGENCY CASE NO. **RO# 00000442**

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: http:\\www.CRAworld.com

SEPTEMBER 19, 2011
REF. NO. 631000 (5)
This report is printed on recycled paper.

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1.0 INTRODUCTION

At the request of Hart & Hickman, PC (a consultant for the property owner Estes Terminals of California LLC), Conestoga-Rovers & Associates (CRA) conducted additional site assessment at the G.I. Trucking Company dba Estes West terminal at 1750 Adams Avenue in San Leandro (Figure 1). CRA conducted the investigation in response to Alameda County Environmental Health Department (ACEH) letters dated January 22, 2009 and April 21, 2009, requesting additional delineation of hydrocarbon impacts, and the May 25, 2011 ACEH letter approving CRA's *Workplan for Additional Site Characterization* dated May 28, 2009. A copy of each letter is included as Appendix A. Summarized below are the site background, previous environmental work, and the investigation results and conclusions.

1.1 SITE BACKGROUND

Site Description: The property is located on the southwest corner of the intersection of Adams Avenue and Bigge Street, in a mixed commercial/industrial area of San Leandro, California (Figure 1). Development on the site consists of a warehouse building used for freight storage and loading, a maintenance shop and an office. A set of five underground storage tanks (USTs) (four 12,000-gallon diesel and one 800-gallon used oil) were once operated at the site and were removed and properly disposed of. The 800–gallon used oil UST was removed in December 1986 and the four remaining USTs were removed in June 1999. The surrounding properties consist of light industrial and commercial businesses, with residential development located in the cross-gradient direction, approximately 850 feet northeast of the site.

Site Ownership and Leasing: The property is owned by Estes Terminals of California LLC and operated by Estes Express Lines of Richmond, Virginia.

Current Site Use: The site is used as a truck terminal for freight storage and transfer.

1.2 PREVIOUS ENVIRONMENTAL ACTIVITIES

Environmental activities have been conducted at this site since July 1986 and are summarized below. CRA previously reviewed ACEH files but was unsuccessful in locating copies of all previous reports. Figure 2 illustrates the former tankpit, excavation limits, well locations and the August 2011 soil boring locations.

1986 Used-Oil UST Removal and Monitoring Well Installation: On July 29, 1986, Blymyer Engineers, Inc. (Blymyer) attempted a tank tightness test on the five USTs at the site. The 800-gallon fiberglass, used-oil UST would not maintain a constant product level. On September 29, 1986 Xerxes Fiberglass Inc, the UST manufacturer, inspected the tank and determined that the bottom had ruptured and could not be repaired. On December 4, 1986, the used-oil UST was removed from the site and light non-aqueous phase liquid (LNAPL) and petroleum hydrocarbon saturated soil were observed in the excavation area. Approximately 45 cubic yards of petroleum hydrocarbon impacted soil were excavated and disposed of at a Class 1 disposal facility. LNAPL and groundwater were purged from the excavation multiple times until only a slight petroleum hydrocarbon sheen was observed. No estimates of the amount of LNAPL or groundwater recovered were provided. Due to the discovery of the petroleum hydrocarbon impact, recovery well MW-1/RW-1 and monitoring wells MW-2 through MW-5 were installed around the UST cavity. Waste oil was detected (EPA Method 3550) in soil samples from borings MW-2 through MW-5 at concentrations ranging from 71 milligrams per kilogram (mg/kg) to 210 mg/kg. No petroleum hydrocarbons were detected in groundwater after the installation of wells MW-2 through MW-5.

1993 Passive Skimmer Installation: In October 1993, Blymyer installed a passive LNAPL recovery skimmer in well MW-1/RW-1.

1996 Recovery Well Installation: In June 1996, Blymyer installed recovery well RW-2 near the four 12,000-gallon diesel USTs. A passive LNAPL recovery skimmer was installed in well RW-2 to accelerate recovery of free phase diesel product. According to Blymyer, a second diesel release had occurred at the site from a leaking gasket in the diesel fuel pump. Blymyer estimated the volume of the release to be approximately 250-gallons of diesel. In November 1996, site personnel estimated the inventory loss as approximately 165-gallons. Since 1996, approximately 178-gallons of diesel have been recovered from the site.

1999 UST Removal: In June 1999, Blymyer removed the four 12,000-gallon diesel USTs. Confirmation soil samples EX-1 through EX-10 were collected from the sidewalls of the excavation at the approximate soil-groundwater interface. During a period of several days, LNAPL was pumped from the UST excavation, drummed onsite, and properly disposed of. Due to petroleum hydrocarbon concentrations detected in soil confirmation samples, the UST excavation was over-excavated by 2 linear feet in the northern and southern corners, and also along the southeastern and northeastern sidewalls. Over-excavation soil confirmation samples EX-11 through EX-15 were collected at the approximate soil-groundwater interface. Residual concentrations of total petroleum hydrocarbons as diesel (TPHd) in confirmation samples ranged up to 2,400 mg/kg.

Well MW-4 was removed as a result of the over-excavation. Approximately 427 tons of impacted soil was excavated and properly disposed of during these field activities.

May 2009 Site Conceptual Model and Additional Site Assessment Workplan: In May 2009, CRA submitted a *Site Conceptual Model* documenting historical site conditions, a well and sensitive receptor survey, residual hydrocarbon distribution, previous remediation activities, potential risks and data gaps. At the request of ACEH, CRA also generated and submitted a workplan for additional site assessment on May 29, 2009. Until the ACEH correspondence of May 25, 2011, no response to either report had been received from ACEH.

Groundwater Monitoring and Sampling: Depth to water measurements and groundwater samples were collected from each of the wells quarterly from November 1988 through February 1996. These samples were analyzed for TPHd only, through May 1993. Beginning in August 1993, the samples were also analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX). In November 1994, samples collected from wells MW-2 and MW-3 were analyzed for TPH as gasoline (TPHg), and in February 1995, samples from these two wells were also analyzed for TPHg and TPH as motor oil (TPHmo). In August 1993, well MW-2 was also analyzed for MTBE. Beginning in August 1996, the monitoring and sampling frequency was reduced to semi-annually through March 1999. Sampling then ceased until annual sampling occurred from 2002 through 2005. Additional monitoring and sampling events occurred March 2, 2007, April 21, 2009 and September 14, 2009.

2.0 SOIL BORING INVESTIGATION – PRE-FIELD ACTIVITIES

Investigation of the extent of residual hydrocarbons associated with the former tankfield was requested in a letter from ACEH dated January 29, 2009. CRA generated a workplan proposing five direct push soil borings around the former UST cavity to collect soil and grab-groundwater samples at locations shown on Figure 2. Boring locations were chosen based on analytical results of confirmation sidewall soil samples collected during tank removal and over-excavation activities conducted in 1999. The following activities were conducted prior to fieldwork at the site.

2.1 HEALTH AND SAFETY PLAN

To protect the public and site personnel during fieldwork, a site-specific Health and Safety Plan (HASP) was developed and reviewed for the proposed fieldwork. The

HASP addressed physical health threats posed by drilling and potential health threats posed by contact with petroleum hydrocarbons, and prescribed appropriate personal protective equipment (PPE) to protect site workers.

2.2 BORING PERMIT

Prior to initiating field activities, CRA obtained boring permit no. W2011-0497 from the Alameda County Public Works Agency (ACPWA). The permit was kept onsite during field activities and a copy is included as Appendix C.

2.3 UTILITY LOCATION

CRA field staff marked the proposed boring locations and notified Underground Service Alert (USA) of planned activities to identify utilities. Additionally, boring locations were further cleared of utilities by California Utility Surveys (CU Surveys), a private utility locating service.

3.0 SOIL BORING INVESTIGATION – FIELD ACTIVITIES

3.1 SOIL BORINGS

CRA conducted a final utility clearance by hand-augering the borings to a minimum depth of 6 feet below grade (fbg). SB-1 was hand cleared to 8 fbg, SB-2 was hand cleared to 7 fbg, and SB-3 through SB-5 were hand cleared to 6 fbg. From below these hand augered depths, the borings were mechanically advanced to 15 fbg using direct push drilling. Prior to drilling, depth to groundwater was measured in the five existing monitor wells, and noted to be between 5.73 fbg (MW-5) and 6.42 fbg (MW-2). The soil column was continuously cored from the hand augered depths to 15 fbg and retained in acetate tubing for observation, logging and sampling. Hand auger cuttings and in-situ sediments were recorded on boring logs using the Unified Soil Classification System (USCS). Sediments consisted primarily of silty clay and clayey silt. Boring Logs are included as Appendix D. CRA's *Standard Field Procedures for Geoprobe Soil Borings* is included as Appendix E.

As mentioned above, subsurface sediments consist primarily of low permeability clay and silt, varying slightly both vertically and horizontally. Also observed were lenses of apparently discontinuous sandy silt in borings SB-1, SB-2 and SB-5. Below the water

table, these ranged in thickness from 0.5 foot (SB-1 at 13-13.5 fbg, SB-5 at 13-13.5 fbg) to 2 feet (SB-2 at 11-13 fbg) and were described as slightly more permeable. One to 1.5 ft thick sandy silt lenses were also noted in these borings above the water table between 1.0 and 5.5 fbg.

3.2 SOIL SAMPLING

CRA field personnel observed and logged the soil column by continuously coring each boring from the bottom of the hand cleared depths to the total depth of 15 fbg. Soil cores were collected in 4 foot acetate cores. Boring logs indicating the depth of sample collection are included in Appendix D. Hydrocarbon impacts in soil have historically been observed at 5-6 fbg so a sample was collected from the hand auger cuttings for analysis from each boring at 5-5.5 fbg. These samples are described as "disturbed" samples. However, due to the non-volatile nature of diesel range hydrocarbons, the analytical results of these samples are assumed to be representative of "in-situ" conditions from 5 to 5.5 fbg. Soil cores were observed for signs of hydrocarbon impacts but none were observed. Deeper samples were also collected and retained from the cores at 10 and 15 fbg. These samples were capped, labeled, stored in a cooler on ice, and transported under proper chain-of-custody to McCampbell Analytical, a state-certified laboratory, for analysis.

3.3 GROUNDWATER SAMPLING

Grab-groundwater samples were collected in three of the five borings by placing slotted PVC casing in each boring and using a clean disposable bailer to collect a sufficient volume for each analysis. The fine-grained nature of site soils limited the accumulation of groundwater into the borings. Borings SB-1, SB-2 and SB-5 yielded sufficient water to collect and analyze samples. These three borings are near the former diesel UST tankpit. Grab-groundwater samples could not be collected from borings SB-3 and SB-4 due to the lack of groundwater. The groundwater samples were decanted into the appropriate glassware, labeled, entered onto a chain-of-custody form, stored in a cooler on ice and transported to McCampbell Analytical for analysis. The three grab-groundwater samples were centrifuged prior to extraction to separate suspended sediment from the water, thereby ensuring that only the dissolved fraction of hydrocarbons was reported in the analytical results.

No LNAPL or sheen was observed on the water table in the five existing groundwater monitoring wells when depth to water was measured on August 5, 2011.

4.0 INVESTIGATION FINDINGS AND RESULTS

4.1 SOIL SAMPLE ANALYTICAL RESULTS

All 15 soil samples were analyzed for TPHd, TPHg and TPHmo by full range EPA Method 8015B analysis, and reported in the individual ranges. TPHd is the primary constituent of concern and reported concentrations in the TPHg and TPHmo range analyses have been interpreted as the overlapping of lighter-end and heavier-end diesel constituents into these ranges. A silica gel treatment was performed on all samples prior to TPHd and TPHmo analysis to insure only petroleum derived hydrocarbons were being detected and reported. The samples were also analyzed for naphthalene by EPA Method 8260B. BTEX and oxygenates were not analyzed, as records have indicated, only diesel was dispensed at the site and only very minor BTEX concentrations were detected in a few tank removal and overexcavation samples from 1999. No MTBE was detected in the same 1999 samples. EDF files were created for the laboratory analytical data and these files will be uploaded to the State's Geotracker database.

No gasoline range hydrocarbons were detected in any of the fifteen samples analyzed. Three samples contained low concentrations of diesel range hydrocarbons and only one sample contained a low concentration of motor-oil range hydrocarbons. SB-2 at 5 fbg contained 3.7 mg/kg TPHd and 7.3 mg/kg TPHmo. The 10 ft samples from SB-3 and SB-4 contained 2.6 and 3.1 mg/kg TPHd, respectively. No naphthalene was detected in any of the fifteen soil samples. Analytical results of soil samples are presented in Table 1 and on Figure 2. Laboratory analytical reports are presented in Appendix F.

4.2 GRAB-GROUNDWATER SAMPLE ANALYTICAL RESULTS

Grab-groundwater samples collected from SB-1, SB-2 and SB-5 were analyzed for TPHd, TPHg and TPHmo by full range EPA Method 8015B analysis. Prior to sample preparation and extraction, these samples were centrifuged to separate suspended sediment from the water to ensure only the dissolved fraction of hydrocarbons were analyzed and reported. Additionally, silica gel cleanup was performed on the three samples prior to TPHd and TPHmo analyses to ensure petroleum hydrocarbons were reported. The samples were also analyzed for naphthalene by EPA Method 8260B. EDF files were created for the groundwater data and will be uploaded to the State's Geotracker database.

No TPHg, TPHmo or naphthalene was detected. The laboratory reporting limits were below applicable ESLs for these three analytes. The only detection was 340 µg/L TPHd in sample SB-2. The established TPHd environmental screening level (ESL) where groundwater is not a current or potential future resource is 210 µg/L. This ESL was established based on an aquatic habitat goal and under the consideration of chronic exposure. This ESL should not be considered relevant under these circumstances because there is no potential for groundwater beneath this site to migrate to any aquatic habitat due to the absence of any nearby surface water bodies. Additionally, Figure 3 shows that SB-2 is located approximately 5 feet from the northwestern edge of the former tankpit. Analytical results of grab-groundwater samples are presented in Table 2 and on Figure 3. Laboratory analytical reports are presented in Appendix F.

4.3 WASTE MANAGEMENT/DISPOSAL

Soil generated from hand clearance of boreholes and drill cuttings are temporarily stored onsite in a DOT-approved drum. One drum of water generated from concrete coring and rinseate is also stored onsite, as are two drums of purge water from previous groundwater sampling. CRA collected and analyzed a composite sample from these drums to profile this purge water. These drums will be transported by licensed waste haulers to the appropriate disposal facilities. CRA's *Standard Procedures for Waste Management* is included in Appendix E.

5.0 RECOMMENDATIONS AND CONCLUSIONS

5.1 CONCLUSIONS

Based on recently completed fieldwork and laboratory results, in addition to historical site data, the following conclusions are made:

- Soils beneath the site are composed of low permeability sediments consisting primarily of clayey silt and silty clay to the total depth explored of 15 fbg.
- Borings SB-1, SB-2 and SB-5 all showed a lens of sandy silt ranging in thickness from 0.5 ft to 2 ft and occurring between 11 and 13.5 fbg. These slightly more permeable lenses are likely the zone of groundwater flow providing samples from these borings.
- The absence of the sandy silt lenses in borings SB-3 and SB-4, suggest that they are laterally discontinuous, further inhibiting groundwater migration on the downgradient side of the former tankpit.

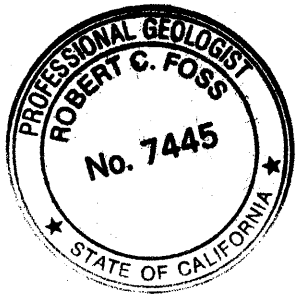
- Groundwater has historically been calculated to flow southeasterly, toward Adams Avenue. The low concentrations of TPHd and TPHmo in soil samples from 10 fbg in SB-3 and SB-4, located downgradient of the former tankpit, suggests that minimal migration of hydrocarbons from the tankpit has occurred. In addition, the detected soil concentrations in SB-3 and SB-4 are orders of magnitude lower than applicable ESLs.
- The 3.7 mg/kg TPHd and 7.3 mg/kg TPHmo at 5 fbg in SB-2, located approximately 5 feet upgradient of the former tankpit, also indicates limited hydrocarbon migration from the source area. These concentrations are orders of magnitude below applicable ESLs.
- The TPHd in the groundwater sample from SB-2 exceeds the established ESL of 210 ug/L for groundwater that is not a current or potential future resource. This ESL is based on an aquatic habitat goal (chronic exposure). There is no possibility of this groundwater reaching an aquatic habitat, and therefore, there is no risk to aquatic receptors.
- Historical groundwater sampling results indicate the presence of hydrocarbon impacts to groundwater within the former tankpit. Based on August 2011 gauging data, no LNAPL or sheens were observed in the existing monitoring wells which include wells within the former tankpit. Soil and groundwater samples collected from the area surrounding the tankpit do not indicate significant impacts. In addition, the impacts are within the boundaries of the subject property and the tankpit is located approximately 100 ft from the nearest property line.

5.2 RECOMMENDATIONS

Based on data acquired through the August 2011 additional site assessment and historical soil and groundwater data, it is CRA's opinion that there is no significant risk to human health or the environmental from residual hydrocarbons in and adjacent to the former UST cavity. CRA recommends completing a Case Closure Summary Form. With ACEH's concurrence, CRA will prepare and submit a formal closure request for consideration.

Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Calvin Hee
Sr. Staff Scientist



Robert Foss, PG #7445
Senior Geologist

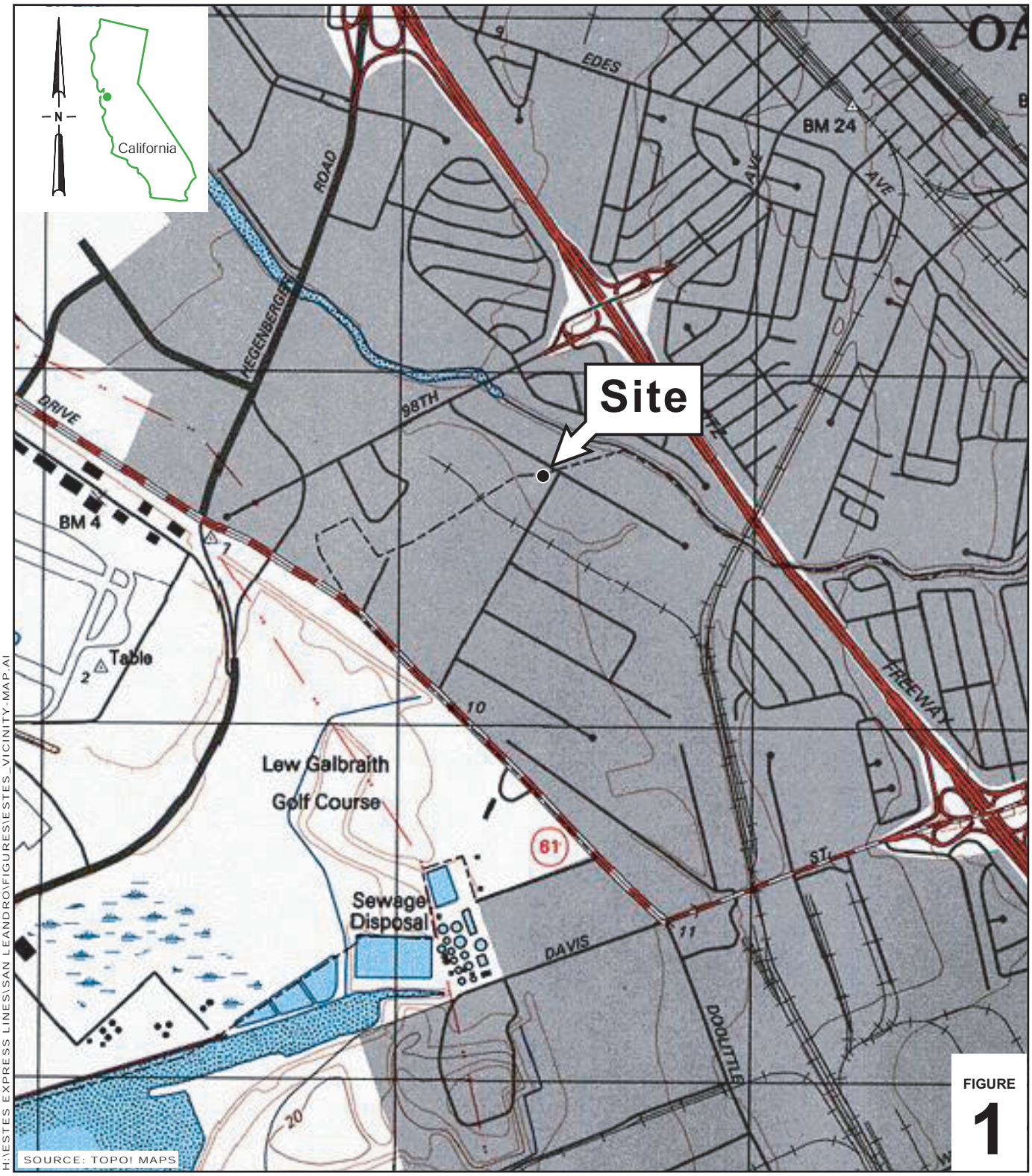
I declare, under penalty of perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

PRESIDENT

Angela Maidment
Estes Terminals of California LLC

FIGURES

05/11/09



H:\ESTES EXPRESS LINES\SAN LEANDRO\FIGURES\ESTES_VICINITY-MAP.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former GI Trucking Company
(Estes Express Lines)

1750 Adams Avenue

San Leandro, California

CONESTOGA-ROVERS
& ASSOCIATES

Vicinity Map

BIGGE STREET

asphalt

concrete slab

concrete driveway

concrete

Building

Building

concrete

asphalt

electric fence

?

MW-5

former USTs

former dispenser island

MW-4

MW-2

former UST vent trench

RW-1 (MW-1)

RW-2

MW-3

Maintenance Building

concrete

SB-1	
<1.0	ALL
<1.0	ALL
<5.0	ALL
<0.005	ALL

SB-2	
<1.0	ALL
3.7	5 ft.
7.3	5 ft.
<0.005	ALL

SB-3	
<1.0	ALL
2.6	10 ft.
<5.0	ALL
<0.005	ALL

SB-4	
<1.0	ALL
3.1	10 ft.
<5.0	ALL
<0.005	ALL

SB-5	
<1.0	ALL
<1.0	ALL
<5.0	ALL
<0.005	ALL

LEGEND

MW-5 ● Monitoring well location

MW-4 ✱ Destroyed well location

SB-1 ■ Direct push soil boring location

BORING	
TPHg	Depth
TPHd	Depth
TPHmo	Depth
NAPH	Depth

Soil boring designation
TPHg concentration in soil (mg/kg)
TPHd concentration in soil (mg/kg)
TPHmo concentration in soil (mg/kg)
Naphthalene concentration in soil (mg/kg)

Storm Drain line

Sanitary Sewer line

Water line

Gas line

Communications line

Electrical line

Utility flow direction

N

0 20 60ft

Figure 2

FORMER GI TRUCKING COMPANY (ESTES EXPRESS LINES)
SOIL BORINGS WITH SOIL ANALYTICAL RESULTS
1750 ADAMS AVENUE
San Leandro, California
August 5, 2011

Basemap modified from drawing provided by Blymyer Engineers, Inc.

631000-2011(011)GN-EM002 AUG 19/2011

BIGGE STREET

asphalt

concrete slab

concrete driveway

concrete

Building

Building

concrete

asphalt

electric fence

?

MW-5

MW-4

MW-2

RW-1 (MW-1)

RW-2

MW-3

former USTs

former dispenser island

former UST vent trench

Maintenance Building

concrete

SB-1
<50
<50
<250
<0.5

SB-2
<50
340
<250
<0.5

SB-3
NS
NS
NS
NS

SB-4
NS
NS
NS
NS

SB-5
<50
<50
<250
<0.5

LEGEND

- MW-5 ● Monitoring well location
- MW-4 ✱ Destroyed well location
- SB-1 ■ Direct push soil boring location

BORING	Soil boring designation
TPHg	TPHg concentration in groundwater (µg/L)
TPHd	TPHd concentration in groundwater (µg/L)
TPHmo	TPHmo concentration in groundwater (µg/L)
NAPH	Naphthalene concentration in groundwater (µg/L)

- Storm Drain line
- Sanitary Sewer line
- Water line
- Gas line
- Communications line
- Electrical line
- Utility flow direction

N

0 20 60ft

Figure 3

FORMER GI TRUCKING COMPANY (ESTES EXPRESS LINES)
SOIL BORINGS WITH GRAB GROUNDWATER ANALYTICAL RESULTS
1750 ADAMS AVENUE
San Leandro, California
August 5, 2011

Basemap modified from drawing provided by Blymyer Engineers, Inc.

631000-2011(011)GN-EM003 AUG 19/2011

TABLES

TABLE 1

SOIL ANALYTICAL DATA - AUGUST 2011
ESTES TRUCKING TERMINAL
1750 ADAMS AVENUE, SAN LEANDRO

Sample ID	*Sample Date*	*Sample Depth (ft)*	*TPHg*	*TPHd*	*TPHmo*	*Naphthalene*	*Lab Notes*
			Concentrations in mg/kg				
Final ESL (G-1) Soil Leaching Concerns	**Non-Drinking Water Resource**		**1,800**	**1,800**	**NE**	**5**	
Final ESL (K-2) Direct-Exposure	**Commercial**		**450**	**450**	**3,700**	**2.8**	
Final ESL (K-3) Direct-Exposure	**Construction/Trench Worker**		**4,200**	**4,200**	**12,000**	**130**	
SB-1	8/5/2011	5	<1.0	<1.0	<5.0	<0.005	
	8/5/2011	10	<1.0	<1.0	<5.0	<0.005	
	8/5/2011	15	<1.0	<1.0	<5.0	<0.005	
SB-2	8/5/2011	5	<1.0	3.7	7.3	<0.005	a,b
	8/5/2011	10	<1.0	<1.0	<5.0	<0.005	
	8/5/2011	15	<1.0	<1.0	<5.0	<0.005	
SB-3	8/5/2011	5	<1.0	<1.0	<5.0	<0.005	
	8/5/2011	10	<1.0	2.6	<5.0	<0.005	a
	8/5/2011	15	<1.0	<1.0	<5.0	<0.005	
SB-4	8/5/2011	5	<1.0	<1.0	<5.0	<0.005	
	8/5/2011	10	<1.0	3.1	<5.0	<0.005	a
	8/5/2011	15	<1.0	<1.0	<5.0	<0.005	
SB-5	8/5/2011	5	<1.0	<1.0	<5.0	<0.005	
	8/5/2011	10	<1.0	<1.0	<5.0	<0.005	
	8/5/2011	15	<1.0	<1.0	<5.0	<0.005	

Abbreviations and Notes:

mg/kg = milligrams per kilograms

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method SW8015Bm

TPHd and TPHmo = Total Petroleum Hydrocarbons as diesel and motor oil by EPA Method SW8015B

Naphthalene by EPA Method SW8260B

<n = not detected above laboratory reporting limit

Final ESLs (Table) = Environmental Screening Levels from RWQCB-SFBR's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, November 2007 (Revised November 2008).*

NE = not established (ESL not established)

Analytical Laboratory Report Notes

a = diesel range compounds are significant, no recognizable pattern

b = oil range compounds are significant

TABLE 2

GRAB-GROUNDWATER SAMPLE ANALYTICAL DATA - AUGUST 2011
ESTES TRUCKING TERMINAL
1750 ADAMS AVENUE, SAN LEANDRO

Sample ID	*Sample Date*	*TPHg*	*TPHd*	*TPHmo*	*Naphthalene*	*Lab Notes*
		Concentrations in µg/L				
Final ESL (E-1) Groundwater Screening Levels for Potential Vapor Intrusion Concerns	**Commercial/Industrial**	**Use Soil Gas**	**Use Soil Gas**	**NE**	**11,000**	
Final ESL (F-1b) Groundwater Screening Levels (not a current of potential resource)	**Based on Aquatic Habitat Goal (Chronic) ***	**210**	**210**	**210**	**24**	
SB-1	8/5/2011	<50	<50	<200	<0.5	a
SB-2	8/5/2011	<50	340	<200	<0.5	a,b
SB-3	8/5/2011	---	---	---	---	
SB-4	8/5/2011	---	---	---	---	
SB-5	8/5/2011	<50	<50	<200	<0.5	

Abbreviations and Notes:

µg/L = Micrograms per liter

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method SW8015Bm

TPHd and TPHmo = Total Petroleum Hydrocarbons as diesel and motor oil by EPA Method SW8015B, with silica gel cleanup

Naphthalene by EPA Method SW8260B

<n = not detected above laboratory reporting limit

--- = Insufficient water to sample

Final ESLs (Table) = Environmental Screening Levels from RWQCB-SFBR's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, November 2007 (Revised November 2008).*

NE = ESL not established

Analytical Laboratory Report Notes

a = aqueous sample contained greater than 1 vol. % sediment

b = aged diesel is significant

* = There are no aquatic on or adjacent to the site.

APPENDIX A

ACEH LETTERS OF JANUARY 22, 2009, APRIL 21, 2009 AND MAY 25, 2011

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

January 22, 2009

Mike Rogers
ABF Freight Systems
P.O. Box 10048
Fort Smith, AR 72917-0048

Treedark Real Estate Corp
3801 Greenwood Road
Fort Smith, AR 72903

Estes Terminals California
3901 W. Broad Street
Richmond, VA 23230

Subject: Fuel Leak Case No. RO0000442 and GeoTracker Global ID T0600100900, GI Trucking Company, 1750 Adams Avenue, San Leandro, CA 94577

Dear Responsible Parties:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Annual 2007 Monitoring Report and Preferential Pathway Study," dated March 29, 2007, which was prepared by Cambria Environmental Technology, Inc. for the subject site. Cambria conducted groundwater sampling of the existing monitoring well network, a well survey and preferential pathway study to determine whether contaminants may be preferentially migrating off-site. Groundwater sampling analytical results detected sheen in RW-1. Cambria identified the closest well down-gradient to be over 1,000 feet away. Therefore, Cambria concluded that "it is unlikely that any of the wells at site K or any other downgradient site have been or are currently being impacted by the onsite groundwater plume." Cambria subsequently recommended that this case be considered a low risk groundwater case since "no significant migration of LNAPL or diesel plume is or has occurred at the site."

Based on the analytical results to date, which still identifies the presence of sheen on top of the groundwater at the site, ACEH cannot consider case closure for the subject site at this time since sites with sheen (i.e. free product) are not considered low risk groundwater cases. Additionally, the source area is not adequately characterized and the free and dissolved phase contaminant plumes are undefined. This decision to deny closure is subject to appeal to the State Water Resources Control Board (SWRCB), pursuant to Section 25299.39.2(b) of the Health and Safety Code (Thompson-Richter Underground Storage Tank Reform Act - Senate Bill 562). Please contact the SWRCB Underground Storage Tank Program at (916) 341-5851 for information regarding the appeal process.

ACEH requests that you address the following technical comments and send us the technical work plan and reports requested below.

TECHNICAL COMMENTS

1. **Contaminant Source Area Characterization** – In June 1999, four 12,000-gallon fiberglass USTs were removed from the site. Significantly elevated concentrations of total petroleum

hydrocarbons (TPH) as diesel (d) were detected in excavation sidewall soil samples ranging from 85 mg/kg to 4,500 mg/kg. Additional excavation of contaminated soil was conducted to remove the significantly contaminated soil. Confirmation sidewall soil samples detected TPH-d ranging from 620 mg/kg to 2,400 mg/kg. Although naphthalene was not detected at the site, the laboratory detection limit that was reported was significantly elevated ranging from <10 mg/kg to <20 mg/kg. Please note that the Regional Water Quality Control Board's (RWQCB) Environmental Screening Levels (ESLs) for naphthalene and TPH-d are 1.3 mg/kg and 83 mg/kg, respectively, indicating that the site is not adequately characterized and poses a potential risk to human health and the environment. Please propose a scope of work to address the above-mentioned concerns and submit a work plan due by the date specified below.

2. **Site Conceptual Model** – At this time, it may be advantageous to develop a site conceptual model (SCM), which synthesizes all the analytical data and evaluates all potential exposure pathways and potential receptors that may exist at the site, including identifying or developing site cleanup objectives and goals. At a minimum, the SCM should include:

   (1) Local and regional plan view maps that illustrate the location of sources (former facilities, piping, tanks, etc.) extent of contamination, direction and rate of groundwater flow, potential preferential pathways, and locations of receptors;

   (2) Geologic cross section maps that illustrate subsurface features, man-made conduits, and lateral and vertical extent of contamination;

   (3) Plots of chemical concentrations versus time;

   (4) Plots of chemical concentrations versus distance from the source;

   (5) Summary tables of chemical concentrations in different media (i.e. soil, groundwater, and soil vapor); and

   (6) Well logs, boring logs, and well survey maps;

   (7) Discussion of likely contaminant fate and transport.

   If data gaps (i.e. potential contaminant volatilization to indoor air or contaminant leaching to groundwater, etc.) are identified in the SCM, please include a proposed scope of work to address those data gaps in the work plan due by the date specified below. Please note that the work plan must address all technical comments presented in this correspondence and all data gaps identified in the SCM.

3. **Groundwater Contaminant Plume Monitoring** – Currently, annual groundwater sampling is being conducted. Since sheen continues to be present at the site, please increase the groundwater monitoring frequency to semi-annual and submit a report due by the dates specified below. Also, include naphthalene to the analytical sampling suite.

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork, including routine groundwater sampling.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **April 22, 2009** – Site Conceptual Model & Soil and Water Investigation Work Plan
- **April 30, 2009** – Semi-annual Monitoring Report (1st Quarter 2009)
- **October 30, 2009** – Semi-annual Monitoring Report (3rd Quarter 2009)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 383-1767 or send me an electronic mail message at steven.plunkett@acgov.org.

Sincerely,

Steven Plunkett
Hazardous Materials Specialist

Paresh C. Khatri
Hazardous Materials Specialist

Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Conestoga Rovers & Associates (formerly Cambria Environmental Technology, Inc.), 5900 Hollis Street, Suite A, Emeryville, CA 94608
Donna Drogos, ACEH
Steven Plunkett, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: December 16, 2005
	PREVIOUS REVISIONS: October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
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- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

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3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 21, 2009

Mike Rogers
ABF Freight Systems
P.O. Box 10048
Fort Smith, AR 72917-0048

Estes Terminals California
3901 W. Broad Street
Richmond, VA 23230

Treedark Real Estate Corp
3801 Greenwood Road
Fort Smith, AR 72903

Subject: Fuel Leak Case No. RO0000442 and GeoTracker Global ID T0600100900, GI Trucking Company, 1750 Adams Avenue, San Leandro, CA 94577

Dear Responsible Parties:

Alameda County Environmental Health (ACEH) staff has recently received a correspondence entitled, "Request for Time Extension" dated April 15, 2009 and submitted on your behalf by Conestoga-Rovers & Associates. Your April 15, 2009 correspondence requested a time extension to complete a "Site Conceptual Model and Soil and Water Investigation Work Plan" from April 22, 2009 to May 29, 2009. The proposed schedule extension is acceptable. Please submit the SCM and work plan, which was previously requested in a directive letter dated January 22, 2009 correspondence, by May 29, 2009.

Based on ACEHD staff review of the documents referenced above, we request that you address the following technical comments and send us the reports described below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Steven Plunkett), according to the following schedule:

- **May 29, 2009** – Site Conceptual Model & Soil and Water Investigation Work Plan

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

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Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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AGENCY OVERSIGHT

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If you have any questions, please call me at (510) 383-1767 or send me an electronic mail message at steven.plunkett@acgov.org.

Sincerely,

Steven Plunkett
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Conestoga Rovers & Associates (formerly Cambria Environmental Technology, Inc.), 5900 Hollis Street, Suite A, Emeryville, CA 94608
Donna Drogos, Steven Plunkett, File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: December 16, 2005
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SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

APR 2 3 2009

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         or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
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   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 25, 2011

Mike Rogers
ABF Freight Systems
PO Box 10048
Fort Smith, AR 72917-0048

Treadark Real Estate Corp.
3801 Old Greenwood Road
Fort Smith, AR 72903

Estes Terminals California LLC
3901 West Broad Street
Richmond, VA 23230
Attention: Angela Maidment

Subject: Conditional Work Plan Approval for Fuel Leak Case No. RO0000442 and GeoTracker Global ID T0600100900, GI Trucking Company, 1750 Adams Avenue, San Leandro, CA 94577

Dear Responsible Parties:

I have been assigned the case worker for this fuel leak case. Please send all future correspondence to my attention. The two most recent documents in Alameda County Environmental Health (ACEH) files are entitled, "*Second Semi-Annual 2009 Groundwater Monitoring Report*," dated October 26, 2009 and "*Work Plan for Additional Site Characterization*," dated May 28, 2009. The Groundwater Monitoring Report presents results from sampling of five groundwater monitoring wells on September 14, 2009. During the September 14, 2009 sampling event, total petroleum hydrocarbons as diesel (TPHd) were detected in groundwater at concentrations up to 100,000 micrograms per liter (µg/L).

The "*Work Plan for Additional Site Characterization*," dated May 28, 2009 proposes advancing five soil borings to define the extent of petroleum hydrocarbons in soil and groundwater in the vicinity of the former underground storage tanks and to assess whether petroleum hydrocarbons are migrating from the source area. We request that you implement the proposed scope of work in the May 28, 2009 Work Plan with modification of the location of one proposed soil boring as discussed in the technical comment below. Please present the results of the investigation in the report requested below. These activities are needed to address a data gap and move the site towards case closure.

TECHNICAL COMMENTS

1. **Soil Boring Locations.** We request that one of the proposed boring locations be moved from east of the former USTs to a location west of the former USTs as shown on the attached Figure 2 – Modified Soil Boring Locations. Please present the results of the investigation in the Site Investigation Report requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **September 30, 2011** – Site Investigation Report

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Case files can be reviewed online at the following website: http://www.acgov.org/aceh/index.htm.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachments: Figure 2 – Modified Soil Boring Location
Responsible Party(ies) Legal Requirements/Obligations
Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)

Robert Foss, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A, Emeryville, CA 94608 2032 (*Sent via E-mail to: bfoss@craworld.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, e-File

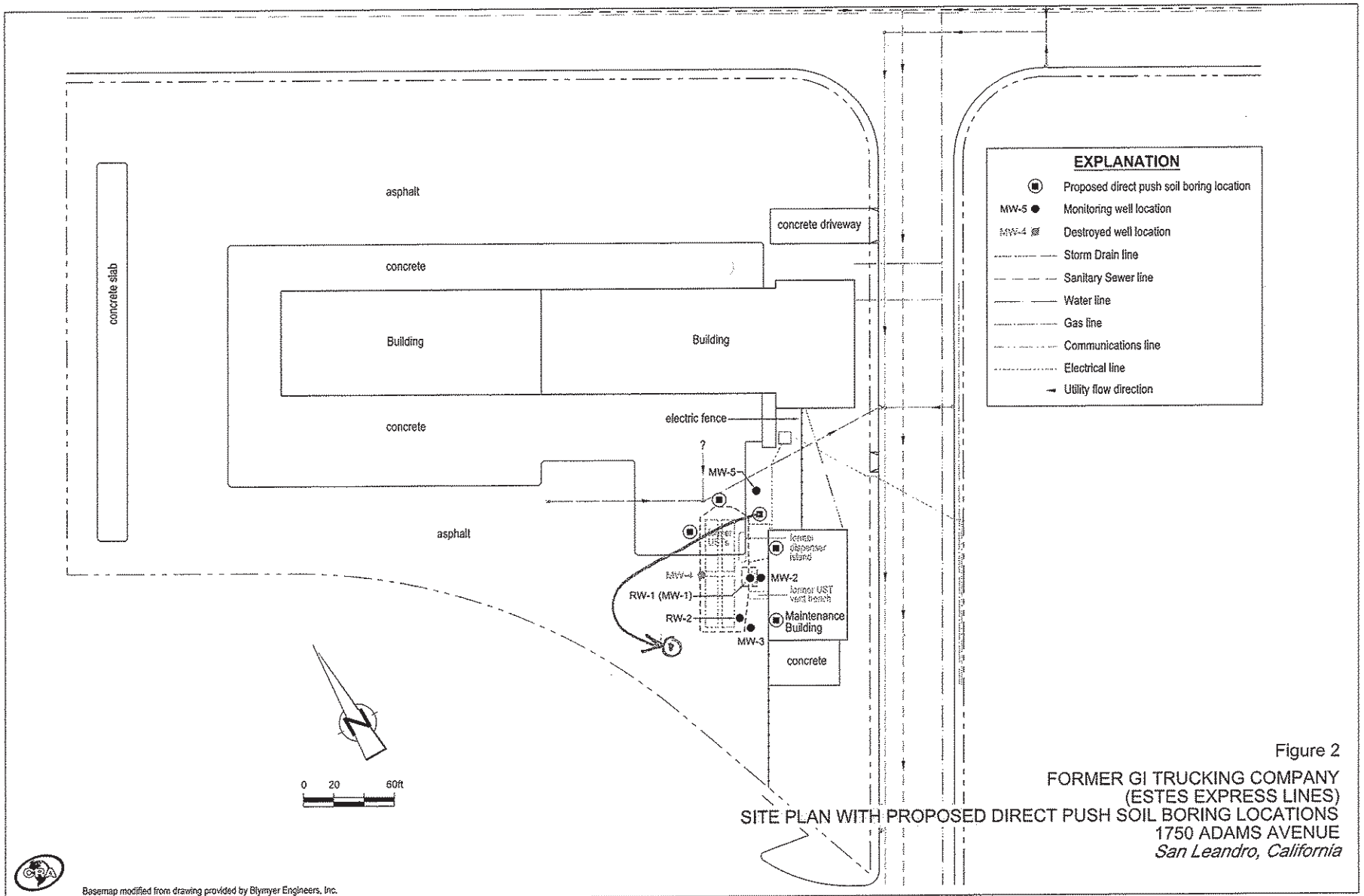

Figure 2
FORMER GI TRUCKING COMPANY
(ESTES EXPRESS LINES)
SITE PLAN WITH PROPOSED DIRECT PUSH SOIL BORING LOCATIONS
1750 ADAMS AVENUE
San Leandro, California

Figure 2 - Modified Soil Boring Location

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

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   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
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3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

HISTORICAL GROUNDWATER ELEVATION & ANALYTICAL RESULTS AND CUMULATIVE SOIL ANALYTICAL RESULTS

TABLE 3

CUMULATIVE SOIL ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date Sampled*	*Depth (ft)*	*Oil & Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TPHmo (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethylbenzene (mg/kg)*	*Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Naphthalene (mg/kg)*
Final ESL (Table G), Soil Leaching Screening Level (Drinking Water Resource)												
			NE	**83**	**83**		**0.044**	**2.9**	**3.3**	**2.3**	**0.023**	
Final ESL (Table K-1), Residential Direct Exposure												
			370	**110**	**110**		**0.12**	**63**	**2.3**	**31**	**30**	
Final ESL (Table K-2), Commercial/Industrial Worker Direct Exposure												
			3,700	**450**	**450**		**0.27**	**210**	**5**	**100**	**65**	
Final ESL (Table K-3), Construction/Trench Worker Exposure												
			12,000	**4,200**	**4,200**		**12**	**650**	**210**	**420**	**2,800**	
2011 Soil Boring Investigation												
SB-1	8/5/2011	5	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	10	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	15	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
SB-2	8/5/2011	5	NA	3.7	<1.0	7.3	NA	NA	NA	NA	NA	<0.005
	8/5/2011	10	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	15	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
SB-3	8/5/2011	5	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	10	NA	2.6	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	15	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
SB-4	8/5/2011	5	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	10	NA	3.1	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	15	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
SB-5	8/5/2011	5	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	10	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
	8/5/2011	15	NA	<1.0	<1.0	<5.0	NA	NA	NA	NA	NA	<0.005
Tank Removal & Exacvation												
Initial Confirmation Samples												
EX-1	6/9/1999	5	--	2,300 b	81 d		<0.5	<0.5	<0.5	<0.5	<5.0	
EX-2	6/9/1999	5	--	4,500 a	120 d		<0.5	<0.5	<0.5	<0.5	<5.0	
EX-3	6/9/1999	5	--	2,100 a	26 d		<0.5	<0.5	<0.5	<0.5	<5.0	
EX-4	6/9/1999	5	--	<1.0	<1.0		<0.5	<0.5	<0.5	<0.5	<5.0	
EX-5	6/9/1999	6	--	<1.0	<1.0		<0.5	<0.5	<0.5	<0.5	<5.0	

TABLE 3

CUMULATIVE SOIL ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date Sampled*	*Depth (ft)*	*Oil & Grease (mg/kg)*	*TPHd (mg/kg)*		*TPHg (mg/kg)*		*TPHmo (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethylbenzene (mg/kg)*	*Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Naphthalene (mg/kg)*
Final ESL (Table G), Soil Leaching Screening Level (Drinking Water Resource)			**NE**	**83**		**83**			**0.044**	**2.9**	**3.3**	**2.3**	**0.023**	
Final ESL (Table K-1), Residential Direct Exposure			**370**	**110**		**110**			**0.12**	**63**	**2.3**	**31**	**30**	
Final ESL (Table K-2), Commercial/Industrial Worker Direct Exposure			**3,700**	**450**		**450**			**0.27**	**210**	**5**	**100**	**65**	
Final ESL (Table K-3), Construction/Trench Worker Exposure			**12,000**	**4,200**		**4,200**			**12**	**650**	**210**	**420**	**2,800**	
EX-6	6/9/1999	6.5	--	85	b	3.7	d		<0.5	<0.5	<0.5	<0.5	<5.0	
EX-7	6/9/1999	6	--	<1.0		<1.0			<0.5	<0.5	<0.5	<0.5	<5.0	
EX-8	6/9/1999	6	--	2,000	b	120	d		<0.5	<0.01	<0.5	0.17	<5.0	
EX-9	6/9/1999	6	--	2,000	b	120	d		<0.5	0.013	<0.5	0.19	<5.0	
EX-10	6/9/1999	6	--	2,900	b,c	390	d,e		<0.03	0.45	0.45	1.5	<0.20	
Over-excavation Confirmation Samples														
EX-11	6/11/1999	6	--	2,400	a	--			<0.005	<0.23	<0.005	<0.16	<0.1	
EX-12	6/11/1999	6	--	620	b	--			<0.023	<0.005	<0.005	0.032	<0.1	
EX-13	6/11/1999	6	--	2,200	a	--			<0.005	0.045	<0.005	<0.005	<0.1	
EX-14	6/11/1999	6	--	620	b	--			<0.005	<0.005	<0.005	0.034	<0.21	
EX-15	6/11/1999	5.5	--	2,400	a	--			<0.005	<0.005	<0.005	0.096	<0.1	
						Monitoring Wells								
M-1/R-1	12/31/1986	4	110	--		--			--	--	--	--	--	
	12/31/1986	8	80	--		--			--	--	--	--	--	
M-2	12/31/1986	5	210	--		--			--	--	--	--	--	
	12/31/1986	9	118	--		--			--	--	--	--	--	
M-3	12/31/1986	8	137	--		--			--	--	--	--	--	
M-4	12/31/1986	5	91	--		--			--	--	--	--	--	
	12/31/1986	10	71	--		--			--	--	--	--	--	

Notes:

mg/kg = milligrams per kilogram
-- = Not analyzed
Oil & Grease (Soil/Waste Oil) by EPA Method 3550
TPHd = total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015
TPHg = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015C
BTEX = benzene, toluene, ethylbenzene and xylenes analyzed by modified EPA Method 8015/8020
MTBE = methyl tertiary-butyl ether analyzed by EPA Method 8020
a = unmodifed or weakly modified gasoline is significant

TABLE 3

CUMULATIVE SOIL ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date Sampled*	*Depth (ft)*	*Oil & Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TPHmo (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethylbenzene (mg/kg)*	*Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Naphthalene (mg/kg)*
Final ESL (Table G), Soil Leaching Screening Level (Drinking Water Resource)												
			NE	**83**	**83**		**0.044**	**2.9**	**3.3**	**2.3**	**0.023**	
Final ESL (Table K-1), Residential Direct Exposure												
			370	**110**	**110**		**0.12**	**63**	**2.3**	**31**	**30**	
Final ESL (Table K-2), Commercial/Industrial Worker Direct Exposure												
			3,700	**450**	**450**		**0.27**	**210**	**5**	**100**	**65**	
Final ESL (Table K-3), Construction/Trench Worker Exposure												
			12,000	**4,200**	**4,200**		**12**	**650**	**210**	**420**	**2,800**	

b = lighter gasoline range compounds (the most mobile fraction) are signifibant
c = gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?
d = strongly aged gasoline or diesel range compounds are significant
e = no recognizable pattern

TABLE 4

HISTORICAL GROUNDWATER ELEVATION AND ANALYTIC DATA
ESTES TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID TOC	Date Sampled	Depth to Water (ft btoc)	NAPL Thickness (ft)	Groundwater Elevation (arbitrary)	TPHd	TPHmo	TPHg	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					←								µg/L							→
MW-1	11/15/1988	--	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.00	2/16/1989	6.03	0.20	94.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	6.31	0.20	93.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.72	0.18	93.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	6.51	0.00	93.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	5.74	0.00	94.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/1990	6.34	0.15	93.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	6.27	0.00	93.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	6.49	0.00	93.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	4.94	0.00	95.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	9.46	0.00	90.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	6.31	0.09	93.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	6.49	0.20	93.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	4.19	0.10	95.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/1992	5.72	0.17	94.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	6.12	0.19	94.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	5.65	0.10	94.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/25/1993	4.60	0.00	95.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	5.56	0.09	94.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	6.07	0.13	94.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1993	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/1994	4.97	0.00	95.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/1994	5.20	0.00	94.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/1994	6.06	0.08	94.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/1994	5.98	0.00	94.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1995	4.93	0.00	95.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/1995	4.99	0.00	95.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	6.46	0.00	93.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/1995	5.21	0.00	94.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1996	4.68	0.00	95.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	July 1996	←								Well MW-1 Reconstructed as well RW-1										→
RW-1	8/5/1996	6.05	0.35	94.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.00	2/6/1997	4.40	0.00	95.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1997	4.90	0.00	95.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/1998	3.18	0.00	96.82	89,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1998	5.95	0.00	94.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/1999*	4.98	0.00	95.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/30/2001	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	6.28	0.00	93.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/2003	6.15	0.00	93.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2004	5.60	0.00	94.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2005	5.39	0.00	94.61	--			--	--	--	--	--	--	--	--	--	--	--	--	--
	3/2/2007	5.22	0.00	94.78	16,000 c	9,300	140 g	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	5.91	0.00	94.09	50,000 b,c	23,000	160 b,g	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5 b
	8/5/2011	**6.02**	**0.00**	**93.98**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-2	11/15/1988	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.24	2/16/1989	6.13	0.00	94.11	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	6.24	0.00	94.00	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.68	0.00	93.56	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4

HISTORICAL GROUNDWATER ELEVATION AND ANALYTIC DATA
ESTES TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID / *TOC*	*Date Sampled*	*Depth to Water* (ft btoc)	*NAPL Thickness* (ft)	*Groundwater Elevation* (arbitrary)	*TPHd*	*TPHmo*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*MTBE*	*ETBE*	*TAME*	*DIPE*	*TBA*	*1,2-DCA*	*EDB*	*Ethanol*	*Napthalene*
					←								µg/L							→
	11/21/1989	6.64	0.00	93.60	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	6.04	0.00	94.20	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/23/1990	6.40	0.00	93.84	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cont.	8/27/1990	6.70	0.00	93.54	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	6.83	0.00	93.41	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	5.64	0.00	94.60	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	6.31	0.00	93.93	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	6.68	0.00	93.56	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	6.69	0.00	93.55	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	4.96	0.00	95.28	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/1992	6.07	0.00	94.17	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	6.42	0.00	93.82	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	6.25	0.00	93.99	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/25/1993	5.40	0.00	94.84	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	6.04	0.00	94.20	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	6.42	0.00	93.82	<50	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/13/1993	6.09	0.00	94.15	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/24/1994	5.57	0.00	94.67	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	5/11/1994	5.94	0.00	94.30	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/23/1994	6.44	0.00	93.80	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/29/1994	5.82	0.00	94.42	90	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/15/1995	5.68	0.00	94.56	100	<500	<50	<0.5	1.2	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	5/18/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	6.19	0.00	94.05	63	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1996	5.62	0.00	94.62	79	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/5/1996	6.22	0.00	94.02	100	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/6/1997	5.50	0.00	94.74	140	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/22/1997	6.57	0.00	93.67	<100	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/12/1998	4.88	0.00	95.36	<100	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/27/1998	6.42	0.00	93.82	93	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	3/4/1999*	6.39	0.00	93.85	<50	--	--	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--	--	--	--
	5/30/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	7.14	0.00	93.10	<50	--	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/13/2003	6.64	0.00	93.60	<48	--	--	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--	--	--	--
	3/17/2004	6.63	0.00	93.61	<500	--	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/17/2005	6.76	0.00	93.48	<50	--	--	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--	--	--	--
	3/2/2007	5.77	0.00	94.47	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	6.38	0.00	93.86	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5
	8/5/2011	**6.42**	**0.00**	**93.82**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-3	11/15/1988	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.22	2/16/1989	6.00	0.00	94.22	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	6.20	0.00	94.02	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.60	0.00	93.62	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	6.55	0.00	93.67	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	5.83	0.00	94.39	340	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/1990	6.38	0.00	93.84	640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	6.67	0.00	93.55	410	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	6.75	0.00	93.47	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4

HISTORICAL GROUNDWATER ELEVATION AND ANALYTIC DATA
ESTES TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID / *TOC*	*Date Sampled*	*Depth to Water* (ft btoc)	*NAPL Thickness* (ft)	*Groundwater Elevation* (arbitrary)	*TPHd*	*TPHmo*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*MTBE*	*ETBE*	*TAME*	*DIPE*	*TBA*	*1,2-DCA*	*EDB*	*Ethanol*	*Napthalene*
					←								µg/L							→
	3/13/1991	5.42	0.00	94.80	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	6.28	0.00	93.94	540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	6.62	0.00	93.60	240	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	6.65	0.00	93.57	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/18/1992	4.73	0.00	95.49	890	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cont.	5/15/1992	5.99	0.00	94.23	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	6.32	0.00	93.90	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	6.23	0.00	93.99	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/25/1993	5.27	0.00	94.95	1,600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	5.97	0.00	94.25	720	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	6.59	0.00	93.63	480	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	12/13/1993	6.33	0.00	93.89	190	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/24/1994	5.76	0.00	94.46	380	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
100.18	5/11/1994	5.84	0.00	94.34	580	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/23/1994	6.38	0.00	93.80	450	--	--	<0.5	0.6	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/29/1994	5.76	0.00	94.42	960	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/15/1995	5.60	0.00	94.58	1,700	<500	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	5/18/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	6.11	0.00	94.07	1,100	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/16/1995	--	--	--																--
	2/15/1996	5.48	0.00	94.70	1,300	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/5/1996	6.16	0.00	94.02	1,000	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/6/1997	5.36	0.00	94.82	2,400	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/22/1997	5.85	0.00	94.33	2,000	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/12/1998	4.81	0.00	95.37	1,500	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/27/1998	6.25	0.00	93.93	410	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	3/4/1999*	6.14	0.00	94.04	330	--	--	<0.5	<0.5	<0.5	<0.5	17	--	--	--	--	--	--	--	--
	5/30/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	7.07	0.00	93.11	1,100	--	--	<0.5	<0.5	<0.5	<0.5	3.6/3.1	--	--	--	--	--	--	--	--
	3/13/2003	6.45	0.00	93.73	680	--	--	<0.5	<0.5	<0.5	<0.5	2.9	--	--	--	--	--	--	--	--
	3/17/2004	5.98	0.00	94.20	450	--	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/17/2005	5.72	0.00	94.46	160	--	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--
	3/2/2007	5.68	0.00	94.50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	6.26	0.00	93.92	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5
	8/5/2011	**6.32**	**0.00**	**93.86**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-4	11/15/1988	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99.48	2/16/1989	5.92	0.00	93.56	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	5.25	0.00	94.23	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.76	0.00	92.72	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	5.72	0.00	93.76	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	4.92	0.00	94.56	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/1990	5.39	0.00	94.09	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	5.66	0.00	93.82	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	5.95	0.00	93.53	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	4.39	0.00	95.09	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	5.27	0.00	94.21	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	5.70	0.00	93.78	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	5.78	0.00	93.70	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	3.60	0.00	95.88	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4

HISTORICAL GROUNDWATER ELEVATION AND ANALYTIC DATA
ESTES TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	TOC	Date Sampled	Depth to Water (ft btoc)	NAPL Thickness (ft)	Groundwater Elevation (arbitrary)	TPHd	TPHmo	TPHg	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
						←								µg/L							→
		5/15/1992	5.03	0.00	94.45	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/13/1992	5.40	0.00	94.08	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/3/1992	5.14	0.00	94.34	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		3/25/1993	4.14	0.00	95.34	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		5/21/1993	4.95	0.00	94.53	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/17/1993	5.40	0.00	94.08	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-4		12/13/1993	5.08	0.00	94.40	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
cont.		2/24/1994	4.38	0.00	95.10	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
		5/11/1994	4.85	0.00	94.63	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
		8/23/1994	5.47	0.00	94.01	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
		11/29/1994	4.76	0.00	94.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2/15/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		5/18/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/16/1995	5.16	0.00	94.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2/15/1996	4.40	0.00	95.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/5/1996	5.27	0.00	94.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	99.46	2/6/1997	4.26	0.00	95.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/22/1997	5.09	0.00	94.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2/12/1998	3.58	0.00	95.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/27/1998	5.43	0.00	94.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		3/4/1999*	5.34	0.00	94.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		June 1999	←									Well Destroyed									→
MW-5		11/15/1988	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	99.60	2/16/1989	5.42	0.00	94.18	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		5/19/1989	5.53	0.00	94.07	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/22/1989	5.94	0.00	93.66	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/21/1989	5.91	0.00	93.69	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2/23/1990	5.69	0.00	93.91	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		5/23/1990	5.92	0.00	93.68	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/27/1990	6.17	0.00	93.43	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/3/1990	6.05	0.00	93.55	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		3/13/1991	5.01	0.00	94.59	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		5/29/1991	5.57	0.00	94.03	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/28/1991	5.90	0.00	93.70	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/9/1991	5.99	0.00	93.61	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2/18/1992	4.45	0.00	95.15	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		5/15/1992	5.33	0.00	94.27	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/13/1992	5.62	0.00	93.98	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/3/1992	5.58	0.00	94.02	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		3/25/1993	4.34	0.00	95.26	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		5/21/1993	5.28	0.00	94.32	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/17/1993	5.61	0.00	93.99	<50	--	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
		12/13/1993	5.38	0.00	94.22	<50	--	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
		2/24/1994	4.90	0.00	94.70	<50	--	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
		5/11/1994	5.23	0.00	94.37	<50	--	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
		8/23/1994	5.70	0.00	93.90	<50	--	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
		11/29/1994	5.12	0.00	94.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2/15/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4

HISTORICAL GROUNDWATER ELEVATION AND ANALYTIC DATA
ESTES TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date*	*Depth to Water*	*NAPL Thickness*	*Groundwater Elevation*	*TPHd*	*TPHmo*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*MTBE*	*ETBE*	*TAME*	*DIPE*	*TBA*	*1,2-DCA*	*EDB*	*Ethanol*	*Napthalene*
TOC	*Sampled*	*(ft btoc)*	*(ft)*	*(arbitrary)*	←								*µg/L*							→
	5/18/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	5.47	0.00	94.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1996	4.90	0.00	94.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/1996	5.50	0.00	94.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/6/1997	4.80	0.00	94.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1997	6.37	0.00	93.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/1998	4.32	0.00	95.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/27/1998	5.77	0.00	93.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cont.	3/4/1999*	5.88	0.00	93.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	5.97	0.00	93.63	61	--	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/13/2003	5.77	0.00	93.83	<47	--	--	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--	--	--	--
	3/17/2004	5.37	0.00	94.23	<50	--	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/17/2005	5.23	0.00	94.37	<50	--	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--
	3/2/2007	5.12	0.00	94.48	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	5.65	0.00	93.95	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5 b
	8/5/2011	**5.73**	**0.00**	**93.87**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
RW-2	8/5/1996	6.02	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
not surveyed	2/6/1997	4.41	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1997	4.88	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/1998	3.21	0.00	--	100,000	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/27/1998	5.92	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/1999*	4.95	0.00	--	74,000	--	--	<1.0	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--
	5/30/2001	--	0.00	--	9,000	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	6/18/2002	6.30	0.00	--	280,000	--	--	<10	<10	<10	<10	<50	--	--	--	--	--	--	--	--
	3/13/2003	6.11	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2004	5.58	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2005	5.30	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/2/2007	5.21	0.00	--	5,500 c	2,500	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	5.88	0.00	--	6,000 b,c	3,000	<50 b	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5 b
	8/5/2011	**6.00**	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Notes:

TOC = elevation of the top of casing relative to an arbitrary elevation from well RW-1's TOC (100.00 ft)
ft btoc = measured in feet below top of casing
SPH = separate phase hydrocarbons or non-aqueous phase liquid (NAPL)
µg/L = micrograms per liter
-- = Not measured, not analyzed, not applicable
* = data collected on March 4 & 11, 1999
b = lighter than water immiscible sheen/product is present
c = aged diesel (?) is significant
g = strongly aged gasoline or diesel range compounds are significant
TPHd = total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015; beginning 3/2/2007 analyzed by EPA Method 8015C with silica gel cleanup
TPHmo = total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015C with silica gel clenaup
TPHg = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015C
BTEX = benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8020/8021B; beginning 3/2/2007 analyzed by EPA Method 8260B
MTBE = methyl tertiary-butyl ether analyzed by EPA Method 8020/8021B; beginning 3/2/2007 analyzed by EPA Method 8260B
ETBE = ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = tertiary-amyl methyl ether analyzed by EPA Method 8260B
DIPE = di-isopropyl ether analyzed by EPA Method 8260B
TBA = tertiary butyl alcohol analyzed by EPA Method 8260B
1,2-DCA = one, two-dichloroethane analyzed by EPA Method 8260B
EDB = ethylene dibromide analyzed by EPA Method 8260B

TABLE 4

HISTORICAL GROUNDWATER ELEVATION AND ANALYTIC DATA
ESTES TRUCKING COMPANY
1750 ADAMS AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date*	*Depth to Water*	*NAPL Thickness*	*Groundwater Elevation*	*TPHd*	*TPHmo*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*MTBE*	*ETBE*	*TAME*	*DIPE*	*TBA*	*1,2-DCA*	*EDB*	*Ethanol*	*Napthalene*
TOC	***Sampled***	*(ft btoc)*	*(ft)*	*(arbitrary)*	◄								*µg/L*							►

Ethanol analyzed by EPA Method 8260B

APPENDIX C

SOIL BORING PERMIT NO. W2011-497

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 07/28/2011 By jamesy

Permit Numbers: W2011-0497
Permits Valid from 08/05/2011 to 08/05/2011

Application Id: 1311362778894
Site Location: 1750 Adams Avenue
Project Start Date: 08/05/2011
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site: San Leandro

Completion Date: 08/05/2011

Applicant:	Conestoga-Rovers & Associates - Belew Yifru 5900 Hollis Street, Suite A, Emeryville, CA 94608	**Phone:** 510-420-0700 x156
Property Owner:	Angela Maidment (for) Estes Express Lines 3901 West Broad Street, Richmond, VA 23230	**Phone:** 804-353-1900 x2263
Client:	Angela Maidment (for) Estes Express Lines 3901 West Broad Street, Richmond, VA 23230	**Phone:** 804-353-1900 x2263
Contact:	Belew Yifru	**Phone:** 510-420-0700 x156 **Cell:** 510-385-0307

Total Due: $265.00
Receipt Number: WR2011-0227 **Total Amount Paid:** $265.00
Payer Name : Conestoga-Rovers & Associates Paid By: CHECK
PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 5 Boreholes
Driller: Vapor Tech Services - Lic #: 916085 - Method: DP

Work Total: $265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2011-0497	07/28/2011	11/03/2011	5	2.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

permits and requirements have been approved or obtained.

5. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

APPENDIX D

BORING LOGS

Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Hart & Hickman (for Estes Express Lines)	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Former GI Trucking Company (Estes Express Lines)	**DRILLING STARTED**	05-Aug-11
LOCATION	1750 Adams Ave, San Leandro CA	**DRILLING COMPLETED**	05-Aug-11
PROJECT NUMBER	631000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	7.00 fbg (05-Aug-11)
REVIEWED BY	R. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
0				Concrete	1.0
			ML	**Clayey SILT** : Dark grey; moist; medium plasticity; low permeability.	
					4.5
	SB-1- 5	5	ML	**Sandy SILT** : Brown; moist; low-plasticity; moderate permeability.	5.5
				Silty CLAY : Dark grey; wet; high plasticity; low permeability.	
			CL		
0	SB-1- 10	10			
					13.0
			ML	**Sandy SILT** : Light grey; moist; low plasticity; moderate permeability.	13.5
			CL	**Silty CLAY** : Dark grey; moist; high plasticity; low permeability.	
0	SB-1- 15	15			15.0

WELL DIAGRAM: Portland Type I/II

Bottom of Boring @ 15 fbg

WELL LOG (PID) TIMES I:\IR\6-CHARS\6310--\631000--\16320FF~1\631000-GINT.GPJ DEFAULT.GDT 8/25/11

Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Hart & Hickman (for Estes Express Lines)	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Former GI Trucking Company (Estes Express Lines)	**DRILLING STARTED**	05-Aug-11
LOCATION	1750 Adams Ave, San Leandro CA	**DRILLING COMPLETED**	05-Aug-11
PROJECT NUMBER	631000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	11.00 fbg (05-Aug-11)
REVIEWED BY	R. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 7 fbg		

PID (ppm)	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
0				Concrete	1.0
			ML	**Sandy SILT** : Light brown; moist; low plasticity; moderate permeability.	2.5
	SB-2- 5	5	CL	**Silty CLAY** : Dark grey; moist; high plasticity; low permeability.	
0	SB-2- 10	10		▽	11.0
			ML	**Sandy SILT** : Greenish grey; wet; low plasticity; moderate permeability. @ 11.5 fbg color gradually changes to greenish grey.	13.0
			CL	**Silty CLAY** : Greenish grey; moist; high plasticity; low permeability.	
0	SB-2- 15	15			15.0

WELL DIAGRAM: Portland Type I/II

Bottom of Boring @ 15 fbg

WELL LOG (PID) TIMES I:\IR\6-CHARS\6310--\631000--\16320FF~1\631000-GINT.GPJ DEFAULT.GDT 8/25/11

Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Hart & Hickman (for Estes Express Lines)	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Former GI Trucking Company (Estes Express Lines)	**DRILLING STARTED**	05-Aug-11
LOCATION	1750 Adams Ave, San Leandro CA	**DRILLING COMPLETED**	05-Aug-11
PROJECT NUMBER	631000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 6 fbg		

PID (ppm)	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0				Concrete	1.0	
				Fill - basecoarse, compacted.		
				Clayey SILT : Dark grey; moist; medium plasticity; low permeability.	4.0	
	SB-3- 5	5				
				@ 7 fbg soil becomes medium plastic and color gradually changes to grey.		Portland Type I/II
0	SB-3- 10	10	ML			
				@ 14 fbg soil becomes highly plastic and soft and color gradually changes to greenish grey.		
0	SB-3- 15	15			15.0	Bottom of Boring @ 15 fbg

WELL LOG (PID) TIMES I:\IR\6-CHARS\6310--\631000--\16320FF--\1631000-GINT.GPJ DEFAULT.GDT 8/25/11

Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Hart & Hickman (for Estes Express Lines)	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Former GI Trucking Company (Estes Express Lines)	**DRILLING STARTED**	05-Aug-11
LOCATION	1750 Adams Ave, San Leandro CA	**DRILLING COMPLETED**	05-Aug-11
PROJECT NUMBER	631000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 6 fbg		

PID (ppm)	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0				Concrete	1.0	
				Fill - basecoarse, compacted.	2.0	
			ML	**Clayey SILT** : Dark grey; moist; medium plasticity; low permeability.		
	SB-4- 5	5				
					7.0	Portland Type I/II
				Clayey SILT : Light grey; moist; medium plasticity; low permeability.		
0	SB-4- 10	10	ML	@ 11 fbg color gradually changes to greenish grey.		
0	SB-4- 15	15			15.0	Bottom of Boring @ 15 fbg

WELL LOG (PID) TIMES I:\IR\6-CHARS\6310--631000--16320FF--1\631000-GINT.GPJ DEFAULT.GDT 8/25/11

Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Hart & Hickman (for Estes Express Lines)	**BORING/WELL NAME**	SB-5
JOB/SITE NAME	Former GI Trucking Company (Estes Express Lines)	**DRILLING STARTED**	05-Aug-11
LOCATION	1750 Adams Ave, San Leandro CA	**DRILLING COMPLETED**	05-Aug-11
PROJECT NUMBER	631000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 6 fbg		

PID (ppm)	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
0				Asphalt	1.0
			ML	**Clayey SILT** : Dark grey; moist; low plasticity; low permeability.	4.0
	SB-5- 5	5	ML	**Sandy SILT** : Dark grey; moist; low plasticity; moderate permeability.	5.5
				Silty CLAY : Dark grey; wet; high plasticity; low permeability.	
0	SB-5- 10	10	CL		13.0
			ML	**Sandy SILT** : Light grey; moist; medium plasticity; moderate permeability.	13.5
0	SB-5- 15	15	CL	**Silty CLAY** : Dark grey; moist; high plasticity; low permeability.	15.0

WELL DIAGRAM: Portland Type I/II

Bottom of Boring @ 15 fbg

WELL LOG (PID) TIMES I:\IR\6-CHARS\6310--\631000--\16320FF~1\631000-GINT.GPJ DEFAULT.GDT 8/25/11

APPENDIX E

CRA'S STANDARD PROCEDURES FOR GEOPROBE SOIL BORINGS AND STANDARD PROCEDURES FOR WASTE MANAGEMENT

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING

This document describes Cambria Environmental Technology's standard field methods for GeoProbe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. Prior to drilling, the first 8 ft of the boring are cleared using an air or water knife and vacuum extraction. This minimizes the potential for impacting utilities.

A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling, and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photo ionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

STANDARD OPERATING PROCEDURES FOR WASTE MANAGEMENT

This document presents standard operating procedures (SOPs) for managing the disposal of soil and water waste. These procedures are designed to comply with Federal, state and local regulatory guidelines. Specific procedures are summarized below.

SUMMARY

A CRA Waste Services Group (WSG) representative manages the waste with the subcontracted waste transporter and/or Treatment, Storage and Disposal Facility (TSDF). It is the responsibility of the field staff and/or the groundwater quarterly monitoring (QM) manager for the site to coordinate the disposal with CRAs WSG representative. If special storage is needed for the waste (ex. tanks, soil bins, etc.), then the field staff should coordinate with the WSG representative.

Soil waste from investigation activities are stockpiled onsite on and covered by plastic sheeting, stored in 55-gallon drums or stored in a roll-off closed top soil bin. At least four individual soil samples must be collected from the stockpiled soil later compositing at the analytic laboratory. Typically, one four-point composite soil sample is needed for every 50 cubic yards of soil. Purged groundwater generated from QM sampling or other events and/or rinseate generated during investigation decontamination procedures are stored onsite in sealed 55-gallon drums. Each drum must be labeled with the date of generation, contents, generator identification and consultant contact. Soil and water waste is transported by a licensed waste hauler and disposed in secure, licensed Treatment, Storage and Disposal Facility (TSDF) based on the soil composite or groundwater quarterly monitoring, or other profiling analytic data.

CRA field staff will submit a sample for analysis to characterize the waste and coordinate with WSG. WSG works with the subcontracted transporter and/or TSDF to profile the waste and create waste manifests. A description of procedures is presented below.

WASTE CHARACTERIZATION

Characterization is necessary for water and soil (drummed and bulk) waste. Generally, the sample should be analyzed for the onsite chemicals of concern and metals. Confirmation of required analyses for waste characterization should be coordinated with the WSG representative.

Water Characterization

Unless otherwise specified, the most recent groundwater quarterly monitoring analytic data are used to characterize water waste and no additional analysis is needed. If quarterly monitoring has not occurred at the site, you must provide a composite water sample. A composite sample consists of one VOA per drum.

Soil Characterization

One composite sample should be collected for every 50 cubic yards or for every 4 drums of soil and should be submitted to the chosen analytical laboratory to be analyzed for the onsite chemicals of concern (ex. TPHg, TPHd, BTEX, MTBE) and CAM 17 Metals (including STLC and TTLC). If TTLC results yield >10 times the STLC, then the lab will need to run the STLC analysis.

COORDINATION OF DISPOSAL

After properly storing, labeling and characterizing the waste, you must contact CRA's WSG representative, which is currently Kari Dupler, and provide the following data:

- Generator name, address and phone number
- Site address
- Type of waste storage and volume (drums, roll off bin, stockpile, etc.)
- Type of waste (water or soil)
- Proposed schedule (preferred transportation date)
- A copy of the analytic report for each waste stream
- Any additional site requirements (locked gates, drum location, etc)

PROFILING AND MANIFESTING

The WSG representative will work with the subcontracted waste transporter and/or TSDF to create a profile characterizing the waste. The WSG representative will send the profile to the generator for a signature. Once the signed profile is returned to the WSG representative, the manifest(s) is (are) created. Waste transportation is scheduled after the profile and manifest(s) are complete. Profiles and waste manifests must be signed by the generator. If the generator will be onsite during the scheduled transport, the generator must sign the manifest. However, if the generator will not be available, they must complete an *Agency Agreement for Signing Manifests* which allows the manifest to be signed by a RCRA/DOT trained CRA staff person. The RCRA/DOT trained CRA staff person must sign the waste manifest "on behalf of generator name" (this statement should be written on the waste manifest signature line).

STANDARD OPERATING PROCEDURES FOR WASTE MANAGEMENT

This document presents standard operating procedures (SOPs) for managing the disposal of soil and water waste. These procedures are designed to comply with Federal, state and local regulatory guidelines. Specific procedures are summarized below.

SUMMARY

A CRA Waste Services Group (WSG) representative manages the waste with the subcontracted waste transporter and/or Treatment, Storage and Disposal Facility (TSDF). It is the responsibility of the field staff and/or the groundwater quarterly monitoring (QM) manager for the site to coordinate the disposal with CRAs WSG representative. If special storage is needed for the waste (ex. tanks, soil bins, etc.), then the field staff should coordinate with the WSG representative.

Soil waste from investigation activities are stockpiled onsite on and covered by plastic sheeting, stored in 55-gallon drums or stored in a roll-off closed top soil bin. At least four individual soil samples must be collected from the stockpiled soil later compositing at the analytic laboratory. Typically, one four-point composite soil sample is needed for every 50 cubic yards of soil. Purged groundwater generated from QM sampling or other events and/or rinseate generated during investigation decontamination procedures are stored onsite in sealed 55-gallon drums. Each drum must be labeled with the date of generation, contents, generator identification and consultant contact. Soil and water waste is transported by a licensed waste hauler and disposed in secure, licensed Treatment, Storage and Disposal Facility (TSDF) based on the soil composite or groundwater quarterly monitoring, or other profiling analytic data.

CRA field staff will submit a sample for analysis to characterize the waste and coordinate with WSG. WSG works with the subcontracted transporter and/or TSDF to profile the waste and create waste manifests. A description of procedures is presented below.

WASTE CHARACTERIZATION

Characterization is necessary for water and soil (drummed and bulk) waste. Generally, the sample should be analyzed for the onsite chemicals of concern and metals. Confirmation of required analyses for waste characterization should be coordinated with the WSG representative.

Water Characterization

Unless otherwise specified, the most recent groundwater quarterly monitoring analytic data are used to characterize water waste and no additional analysis is needed. If quarterly monitoring has not occurred at the site, you must provide a composite water sample. A composite sample consists of one VOA per drum.

Soil Characterization

One composite sample should be collected for every 50 cubic yards or for every 4 drums of soil and should be submitted to the chosen analytical laboratory to be analyzed for the onsite chemicals of concern (ex. TPHg, TPHd, BTEX, MTBE) and CAM 17 Metals (including STLC and TTLC). If TTLC results yield >10 times the STLC, then the lab will need to run the STLC analysis.

COORDINATION OF DISPOSAL

After properly storing, labeling and characterizing the waste, you must contact CRA's WSG representative, which is currently Kari Dupler, and provide the following data:

- Generator name, address and phone number
- Site address
- Type of waste storage and volume (drums, roll off bin, stockpile, etc.)
- Type of waste (water or soil)
- Proposed schedule (preferred transportation date)
- A copy of the analytic report for each waste stream
- Any additional site requirements (locked gates, drum location, etc)

PROFILING AND MANIFESTING

The WSG representative will work with the subcontracted waste transporter and/or TSDF to create a profile characterizing the waste. The WSG representative will send the profile to the generator for a signature. Once the signed profile is returned to the WSG representative, the manifest(s) is (are) created. Waste transportation is scheduled after the profile and manifest(s) are complete. Profiles and waste manifests must be signed by the generator. If the generator will be onsite during the scheduled transport, the generator must sign the manifest. However, if the generator will not be available, they must complete an *Agency Agreement for Signing Manifests* which allows the manifest to be signed by a RCRA/DOT trained CRA staff person. The RCRA/DOT trained CRA staff person must sign the waste manifest "on behalf of generator name" (this statement should be written on the waste manifest signature line).

APPENDIX F

LABORATORY ANALYTICAL REPORTS

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Analytical Report

Conestoga-Rovers & Associates	Client Project ID: #631000; Former GI Trucking Co Estes Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Reported: 08/15/11
Emeryville, CA 94608	Client P.O.:	Date Completed: 08/15/11

WorkOrder: 1108242

August 15, 2011

Dear Bob:

Enclosed within are:

1) The results of the **15** analyzed samples from your project: **#631000; Former GI Trucking Co Estes Express Li**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

1108242

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: BOB FOSS
Company: CONESTOGA ROVERS & ASSOCIATES
5900 HOLLIS ST. SUITE A, EMERYVILLE CA
Tele: (510) 420 0700
Project #: 631000
Project Location: 1750 ADAMS AVE., SANLEANDRO CA
Sampler Signature:

Bill To: CONESTOGA ROVERS & ASSOCIATES
E-Mail: bfoss@crawworld.com bfong@crawworld.com
Fax: (510) 420 9170
Project Name: FORMER CI TRUCKING CO. ESTES EXPRESS LINES

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs) NAPHTHALENE	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Filter sample for DISSOLVED metals analysis	Other: TPH FULL SCAN - G, D, Mo SILICAGEL CLEAN UP ON D, MO	Comments
SB-1-5		8/5/11	0850	1			X				X														X							X	
SB-1-10			0915																						X							X	
SB-1-15			09:20																						X							X	
SB-2-5			10:15																						X							X	
SB-2-10			1040																						X							X	
SB-2-15			1050																						X							X	
SB-3-5			12:40																						X							X	
SB-3-10			13:00																						X							X	
SB-3-15			13:40																						X							X	
SB-4-5			14:10																						X							X	
SB-4-10			14:25																						X							X	

analyze all samples per email 8/8/11

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
BELEW YIFRU	8/5/11	20:00	SECURE LOCATION
Heather Curtis	8/8/11	1300	
	8/8/11	1600	

ICE/t° 5.0C
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: BOB FOSS Bill To: CONESTOGA ROVERS & ASSOCIATES

Company: CONESTOGA ROVERS & ASSOCIATES

5900 HOLLIS ST. SUITE A EMERYVILLE CA

E-Mail:

Tele: (510) 420 0700 Fax: (510) 420 9170

Project #: Project Name: FORMER OIL TRUCKING COM. ESTES EXPRESS LINES

Project Location: 1750 ADAMS AVE. SAN LEANDRO CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request	Other	Comments
SB-4-15		8/5/11	1430	1			X				X				BTEX & TPH as Gas (602 / 8021 / 8015) / MTBE; TPH as Diesel (8015); Total Petroleum Oil & Grease (1664 / 5520 E/B&F); Total Petroleum Hydrocarbons (418.1); EPA 502.2 / 601 / 8010 / 8021 (HVOCs); MTBE / BTEX ONLY (EPA 602 / 8021); EPA 505/ 608 / 8081 (Cl Pesticides); EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners; EPA 507 / 8141 (NP Pesticides); EPA 515 / 8151 (Acidic Cl Herbicides); EPA 524.2 / 624 (8260) NAPHTHALENE; EPA 525.2 / 625 / 8270 (SVOCs); EPA 8270 SIM / 8310 (PAHs / PNAs); CAM 17 Metals (200.7 / 200.8 / 6010 / 6020); LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020); Lead (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis; TPH-FULLSCAN - G, D, MO SILICA GEL CLEANUP ON D, MO	**Indicate here if these samples are potentially dangerous to handle:
SB-5-5		"	16:00	"			"				"						
SB-5-10		"	1645	"			"				"						
SB-5-15		"	16:20	"			"				"						

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
BELEW YIFRU	8/5/11	20:00	SECURE LOCATION
Heather Curtis	8/8/11	14:30	
	8/8/11	1600	

ICE/t°_____ COMMENTS:
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER
PRESERVATION pH<2

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1108242 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Bob Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX: (510) 420-9170

Email: bfoss@craworld.com
cc: bfong@craworld.com
PO:
ProjectNo: #631000; Former GI Trucking Co Estes Express Lines

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **08/08/2011**
Date Printed: **08/08/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1108242-001	SB-1-5	Soil	8/5/2011 8:50	☐	A	A	A									
1108242-002	SB-1-10	Soil	8/5/2011 9:15	☐	A		A									
1108242-003	SB-1-15	Soil	8/5/2011 9:20	☐	A		A									
1108242-004	SB-2-5	Soil	8/5/2011 10:15	☐	A		A									
1108242-005	SB-2-10	Soil	8/5/2011 10:40	☐	A		A									
1108242-006	SB-2-15	Soil	8/5/2011 10:50	☐	A		A									
1108242-007	SB-3-5	Soil	8/5/2011 12:40	☐	A		A									
1108242-008	SB-3-10	Soil	8/5/2011 13:00	☐	A		A									
1108242-009	SB-3-15	Soil	8/5/2011 13:10	☐	A		A									
1108242-010	SB-4-5	Soil	8/5/2011 14:10	☐	A		A									
1108242-011	SB-4-10	Soil	8/5/2011 14:25	☐	A		A									
1108242-012	SB-4-15	Soil	8/5/2011 14:30	☐	A		A									
1108242-013	SB-5-5	Soil	8/5/2011 16:00	☐	A		A									
1108242-014	SB-5-10	Soil	8/5/2011 16:15	☐	A		A									

Test Legend:

1	8260VOC_S	2	PREDF REPORT	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1108242 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Bob Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX: (510) 420-9170

Email: bfoss@craworld.com
cc: bfong@craworld.com
PO:
ProjectNo: #631000; Former GI Trucking Co Estes Express Lines

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **08/08/2011**
Date Printed: **08/08/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1108242-015	SB-5-15	Soil	8/5/2011 16:20	☐	A		A									

Test Legend:

1	8260VOC_S	2	PREDF REPORT	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates** Date and Time Received: **8/8/2011 4:59:30 PM**

Project Name: **#631000; Former GI Trucking Co Estes Express Lines** Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **1108242** Matrix: Soil Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #631000; Former GI Trucking Co Estes Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted 08/08/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/11-08/11/11

Volatile Organics by P&T and GC/MS*

Extraction method: SW5030B Analytical methods: SW8260B Work Order: 1108242

Lab ID	Client ID	Matrix	Naphthalene	DF	% SS	Comments
001A	SB-1-5	S	ND	1	102	
002A	SB-1-10	S	ND	1	104	
003A	SB-1-15	S	ND	1	93	
004A	SB-2-5	S	ND	1	96	
005A	SB-2-10	S	ND	1	95	
006A	SB-2-15	S	ND	1	95	
007A	SB-3-5	S	ND	1	93	
008A	SB-3-10	S	ND	1	95	
009A	SB-3-15	S	ND	1	97	
010A	SB-4-5	S	ND	1	102	
011A	SB-4-10	S	ND	1	102	
012A	SB-4-15	S	ND	1	103	
013A	SB-5-5	S	ND	1	104	
014A	SB-5-10	S	ND	1	104	
015A	SB-5-15	S	ND	1	102	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #631000; Former GI Trucking Co Estes Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted 08/08/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/09/11-08/11/11

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Bm Work Order: 1108242

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	SB-1-5	S	ND	1	88	
002A	SB-1-10	S	ND	1	78	
003A	SB-1-15	S	ND	1	85	
004A	SB-2-5	S	ND	1	82	
005A	SB-2-10	S	ND	1	86	
006A	SB-2-15	S	ND	1	79	
007A	SB-3-5	S	ND	1	92	
008A	SB-3-10	S	ND	1	85	
009A	SB-3-15	S	ND	1	85	
010A	SB-4-5	S	ND	1	79	
011A	SB-4-10	S	ND	1	86	
012A	SB-4-15	S	ND	1	83	
013A	SB-5-5	S	ND	1	82	
014A	SB-5-10	S	ND	1	80	
015A	SB-5-15	S	ND	1	84	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #631000; Former GI Trucking Co Estes Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 08/08/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/11-08/13/11

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550B/3630C Analytical methods: SW8015B Work Order: 1108242

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1108242-001A	SB-1-5	S	ND	ND	1	112	
1108242-002A	SB-1-10	S	ND	ND	1	114	
1108242-003A	SB-1-15	S	ND	ND	1	111	
1108242-004A	SB-2-5	S	3.7	7.3	1	90	e7,e2
1108242-005A	SB-2-10	S	ND	ND	1	113	
1108242-006A	SB-2-15	S	ND	ND	1	111	
1108242-007A	SB-3-5	S	ND	ND	1	108	
1108242-008A	SB-3-10	S	2.6	ND	1	119	e2
1108242-009A	SB-3-15	S	ND	ND	1	110	
1108242-010A	SB-4-5	S	ND	ND	1	112	
1108242-011A	SB-4-10	S	3.1	ND	1	114	e2
1108242-012A	SB-4-15	S	ND	ND	1	113	
1108242-013A	SB-5-5	S	ND	ND	1	113	
1108242-014A	SB-5-10	S	ND	ND	1	115	
1108242-015A	SB-5-15	S	ND	ND	1	111	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 60281 WorkOrder: 1108242

EPA Method: SW8260B **Extraction: SW5030B** **Spiked Sample ID: 1108242-015A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	75.9	75.2	0.908	75.9	75.2	0.908	70 - 130	30	70 - 130	30
Benzene	ND	0.050	105	101	3.46	105	101	3.46	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	76.7	76.2	0.704	76.7	76.2	0.704	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	108	105	2.38	108	105	2.38	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	88.9	87.8	1.18	88.9	87.8	1.18	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	93.5	90.9	2.73	93.5	90.9	2.73	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	91.3	88.3	3.34	91.3	88.3	3.34	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	98.9	96.1	2.83	98.9	96.1	2.83	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	87.8	86.5	1.47	87.8	86.5	1.47	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	88.4	88	0.466	88.4	88	0.466	70 - 130	30	70 - 130	30
Toluene	ND	0.050	110	107	3.14	110	107	3.14	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	111	107	3.05	111	107	3.05	70 - 130	30	70 - 130	30
%SS1:	98	0.12	94	95	0.673	94	95	0.673	70 - 130	30	70 - 130	30
%SS2:	104	0.12	106	107	0.133	106	107	0.133	70 - 130	30	70 - 130	30
%SS3:	102	0.012	103	104	0.993	103	104	0.993	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 60281 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108242-001A	08/05/11 8:50 AM	08/08/11	08/10/11 3:02 PM	1108242-002A	08/05/11 9:15 AM	08/08/11	08/10/11 3:41 PM
1108242-003A	08/05/11 9:20 AM	08/08/11	08/11/11 1:18 AM	1108242-004A	08/05/11 10:15 AM	08/08/11	08/11/11 1:58 AM
1108242-005A	08/05/11 10:40 AM	08/08/11	08/11/11 2:39 AM	1108242-006A	08/05/11 10:50 AM	08/08/11	08/11/11 3:21 AM
1108242-007A	08/05/11 12:40 PM	08/08/11	08/11/11 4:04 AM	1108242-008A	08/05/11 1:00 PM	08/08/11	08/11/11 4:46 AM
1108242-009A	08/05/11 1:10 PM	08/08/11	08/11/11 5:29 AM	1108242-010A	08/05/11 2:10 PM	08/08/11	08/10/11 4:20 PM
1108242-011A	08/05/11 2:25 PM	08/08/11	08/10/11 4:58 PM	1108242-012A	08/05/11 2:30 PM	08/08/11	08/10/11 5:37 PM
1108242-013A	08/05/11 4:00 PM	08/08/11	08/10/11 6:16 PM	1108242-014A	08/05/11 4:15 PM	08/08/11	08/10/11 6:54 PM
1108242-015A	08/05/11 4:20 PM	08/08/11	08/10/11 10:47 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644 QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 60288 WorkOrder: 1108242

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1108242-015A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	85.4	89.6	4.87	91.7	88.1	3.96	70 - 130	20	70 - 130	20
MTBE	ND	0.10	113	112	0.721	116	111	4.41	70 - 130	20	70 - 130	20
Benzene	ND	0.10	97.9	101	2.79	102	96.5	5.80	70 - 130	20	70 - 130	20
Toluene	ND	0.10	86.4	89.1	3.12	90.6	85.8	5.38	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	89	91.3	2.59	93	88.5	4.89	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	101	104	3.52	106	101	4.87	70 - 130	20	70 - 130	20
%SS:	84	0.10	84	93	10.8	83	73	12.7	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 60288 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108242-001A	08/05/11 8:50 AM	08/08/11	08/09/11 1:44 PM	1108242-002A	08/05/11 9:15 AM	08/08/11	08/09/11 2:36 PM
1108242-003A	08/05/11 9:20 AM	08/08/11	08/09/11 4:39 PM	1108242-004A	08/05/11 10:15 AM	08/08/11	08/09/11 3:07 PM
1108242-005A	08/05/11 10:40 AM	08/08/11	08/11/11 5:52 AM	1108242-006A	08/05/11 10:50 AM	08/08/11	08/09/11 5:41 PM
1108242-007A	08/05/11 12:40 PM	08/08/11	08/09/11 6:12 PM	1108242-008A	08/05/11 1:00 PM	08/08/11	08/09/11 6:43 PM
1108242-009A	08/05/11 1:10 PM	08/08/11	08/09/11 7:14 PM	1108242-010A	08/05/11 2:10 PM	08/08/11	08/09/11 8:15 PM
1108242-011A	08/05/11 2:25 PM	08/08/11	08/09/11 2:05 PM	1108242-012A	08/05/11 2:30 PM	08/08/11	08/09/11 8:46 PM
1108242-013A	08/05/11 4:00 PM	08/08/11	08/09/11 9:47 PM	1108242-014A	08/05/11 4:15 PM	08/08/11	08/09/11 3:38 PM
1108242-015A	08/05/11 4:20 PM	08/08/11	08/09/11 1:34 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644 QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 60289 WorkOrder: 1108242

EPA Method: SW8015B **Extraction: SW3550B/3630C** **Spiked Sample ID: 1108242-015A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	108	109	0.965	107	110	3.44	70 - 130	30	70 - 130	30
%SS:	111	25	93	94	1.62	96	103	6.58	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 60289 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108242-001A	08/05/11 8:50 AM	08/08/11	08/12/11 7:43 AM	1108242-002A	08/05/11 9:15 AM	08/08/11	08/12/11 10:42 PM
1108242-003A	08/05/11 9:20 AM	08/08/11	08/11/11 9:33 PM	1108242-004A	08/05/11 10:15 AM	08/08/11	08/10/11 10:23 PM
1108242-005A	08/05/11 10:40 AM	08/08/11	08/13/11 5:24 AM	1108242-006A	08/05/11 10:50 AM	08/08/11	08/13/11 6:33 AM
1108242-007A	08/05/11 12:40 PM	08/08/11	08/12/11 9:29 PM	1108242-008A	08/05/11 1:00 PM	08/08/11	08/13/11 1:05 AM
1108242-009A	08/05/11 1:10 PM	08/08/11	08/12/11 11:54 PM	1108242-010A	08/05/11 2:10 PM	08/08/11	08/13/11 7:42 AM
1108242-011A	08/05/11 2:25 PM	08/08/11	08/10/11 10:13 PM	1108242-012A	08/05/11 2:30 PM	08/08/11	08/10/11 9:05 PM
1108242-013A	08/05/11 4:00 PM	08/08/11	08/11/11 9:14 AM	1108242-014A	08/05/11 4:15 PM	08/08/11	08/12/11 8:51 AM
1108242-015A	08/05/11 4:20 PM	08/08/11	08/11/11 5:28 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Analytical Report

Conestoga-Rovers & Associates	Client Project ID: # 631000; Former GI Trucking, ESTES Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Reported: 08/12/11
Emeryville, CA 94608	Client P.O.:	Date Completed: 08/11/11

WorkOrder: 1108249

September 01, 2011

Dear Bob:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **# 631000; Former GI Trucking, ESTES Express Li**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ❑ RUSH ❑ 24 HR ❑ 48 HR ❑ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ **PDF** ❑ **Excel** ❑ **Write On (DW)** ❑

❑ Check if sample is effluent and "J" flag is required

Report To: BOB FOSS	**Bill To:** CONESTOGA ROVERS & ASS.
Company: CONESTOGA ROVERS & ASSOCIATES	
5900 HOLLIS ST SUITE A EMERYVILLE, CA	
E-Mail: bfoss@craworld.com bfong@craworld.com	
Tele: (510) 420 0700	**Fax:** (510) 420 1970
Project #: 631000	**Project Name:** ESTES EXPRESS LINES FORMER GETRUCKING.COM
Project Location: 1750 ADAMS AVE, SAN LEANDRO CA	
Sampler Signature:	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
SB-1		8/5/11	16:30	4	VOA AMBER	4					X	X		
SB-2		8/5/11	16:45		↓	↓					↓	↓		
SB-5		8/5/11	17:00		↓	↓					↓	↓		

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs) NAPHTHALENE	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
										X					
										↓					
										↓					

Other

Filter sample for DISSOLVED metals analysis	TPH FULL SCAN - G, D, Mo SILICA GEL CLEANUP ON D, MO
	X
	↓
	↓

Comments

**Indicate here if these samples are potentially dangerous to handle:
**** CENTRIFUGE ALL SAMPLES TO REMOVE SUSPENDED SOIL PARTICLES

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
BELOW 4 IFR'S	8/5/11	20:00	SECURE LOCATION
Heather Curtis	8/8/11	14:00	
	8/8/11	1600	

ICE/t° HH
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1108249 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Bob Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX: (510) 420-9170

Email: bfoss@craworld.com
cc: bfong@craworld.com
PO:
ProjectNo: # 631000; Former GI Trucking, ESTES Express Lines

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **08/08/2011**
Date Printed: **08/08/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1108249-001	SB-1	Water	8/5/2011 16:30	☐	B	A	A									
1108249-002	SB-2	Water	8/5/2011 16:45	☐	B		A									
1108249-003	SB-5	Water	8/5/2011 17:00	☐	B		A									

Test Legend:

1	8260VOC_W	2	PREDF REPORT	3	TPH(DMO)WSG_DECANT	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A contain testgroup.

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates** Date and Time Received: **8/8/2011 6:05:35 PM**

Project Name: **# 631000; Former GI Trucking, ESTES Express Lines** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **1108249** Matrix: Water Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 4.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Conestoga-Rovers & Associates	Client Project ID: # 631000; Former GI Trucking, ESTES Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted 08/10/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/11

Volatile Organics by P&T and GC/MS*

Extraction method: SW5030B Analytical methods: SW8260B Work Order: 1108249

Lab ID	Client ID	Matrix	Naphthalene	DF	% SS	Comments
001B	SB-1	W	ND	1	90	b1
002B	SB-2	W	ND	1	90	b1
003B	SB-5	W	ND	1	88	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.5	µg/L
	S	NA	NA

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: # 631000; Former GI Trucking, ESTES Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted 08/10/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/11

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline *

Extraction method: SW5030B Analytical methods: SW8015Bm Work Order: 1108249

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	SB-1	W	ND	1	94	b1
002A	SB-2	W	ND	1	102	b1
003A	SB-5	W	ND	1	102	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
b1) aqueous sample that contains greater than ~1 vol. % sediment

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Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: # 631000; Former GI Trucking, ESTES Express Lines	Date Sampled: 08/05/11
		Date Received: 08/08/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 08/08/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/11

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up (Decanted)*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 1108249

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1108249-001A	SB-1	W	ND	ND	1	100	b1
1108249-002A	SB-2	W	340	ND	1	105	e3,b1
1108249-003A	SB-5	W	ND	ND	1	101	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	200	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
b1) aqueous sample that contains greater than ~1 vol. % sediment
e3) aged diesel is significant

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 60267 WorkOrder: 1108249

EPA Method: SW8260B **Extraction: SW5030B** **Spiked Sample ID: 1108203-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND<2.5	10	92.3	88.5	4.21	76.1	75.1	1.32	70 - 130	30	70 - 130	30
Benzene	ND<2.5	10	115	114	0.712	91.7	91.8	0.112	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND<10	50	129	121	6.77	72.6	71	2.32	70 - 130	30	70 - 130	30
Chlorobenzene	ND<2.5	10	108	105	2.43	98.7	99.5	0.791	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND<2.5	10	116	112	3.21	91.7	91.5	0.179	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND<2.5	10	112	111	0.478	82.1	82.4	0.347	70 - 130	30	70 - 130	30
1,1-Dichloroethene	6.4	10	103	99.5	1.85	102	98.3	3.64	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND<2.5	10	127	125	1.59	93	94.1	1.09	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND<2.5	10	121	118	2.50	85.6	86.6	1.15	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND<2.5	10	127	123	2.62	84	84.2	0.310	70 - 130	30	70 - 130	30
Toluene	ND<2.5	10	108	106	2.65	94.7	94.6	0.114	70 - 130	30	70 - 130	30
Trichloroethene	110	10	NR	NR	NR	91.2	91	0.184	70 - 130	30	70 - 130	30
%SS1:	100	25	109	110	0.316	95	95	0	70 - 130	30	70 - 130	30
%SS2:	101	25	99	98	1.27	99	99	0	70 - 130	30	70 - 130	30
%SS3:	92	2.5	112	110	2.41	91	91	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 60267 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108249-001B	08/05/11 4:30 PM	08/10/11	08/10/11 10:33 PM	1108249-002B	08/05/11 4:45 PM	08/10/11	08/10/11 11:14 PM
1108249-003B	08/05/11 5:00 PM	08/10/11	08/10/11 11:54 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 60263 WorkOrder: 1108249

EPA Method: SW8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1108249-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	104	105	1.51	109	102	6.99	70 - 130	20	70 - 130	20
MTBE	ND	10	103	108	4.97	108	110	1.56	70 - 130	20	70 - 130	20
Benzene	ND	10	96.3	99.5	3.23	98.4	98.8	0.486	70 - 130	20	70 - 130	20
Toluene	ND	10	96.8	100	3.37	99	99.2	0.266	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	96.1	99.7	3.77	98.9	98.9	0	70 - 130	20	70 - 130	20
Xylenes	ND	30	99.2	103	3.42	102	102	0	70 - 130	20	70 - 130	20
%SS:	102	10	98	96	1.23	99	98	0.505	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 60263 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108249-001A	08/05/11 4:30 PM	08/10/11	08/10/11 6:54 PM	1108249-002A	08/05/11 4:45 PM	08/10/11	08/10/11 7:49 AM
1108249-003A	08/05/11 5:00 PM	08/10/11	08/10/11 8:19 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

DHS ELAP Certification 1644 QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 60286 WorkOrder: 1108249

EPA Method: SW8015B **Extraction: SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	83.5	89.8	7.28	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	80	90	11.5	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 60286 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108249-001A	08/05/11 4:30 PM	08/08/11	08/10/11 6:48 PM	1108249-002A	08/05/11 4:45 PM	08/08/11	08/10/11 5:39 PM
1108249-003A	08/05/11 5:00 PM	08/08/11	08/10/11 7:56 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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