



Stantec

Stantec Consulting Corporation
3017 Kilgore Road Suite 100
Rancho Cordova CA 95670
Tel: (916) 861-0400
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May 17, 2010

Mr. Jerry Wickham
Alameda County Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RECEIVED

9:09 am, May 20, 2010

Alameda County
Environmental Health

RE: **Enclosed Additional Soil and Groundwater Assessment**
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551

Dear Mr. Wickham:

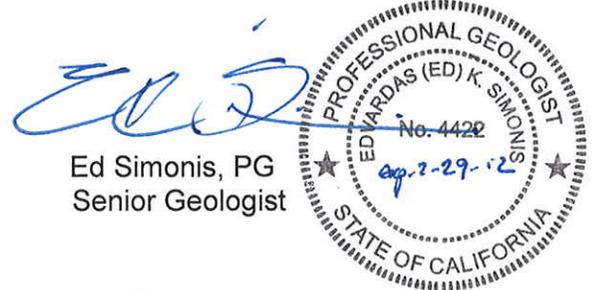
Stantec Consulting Corporation has been designated as Limited Agent of 7-Eleven, Inc. (7-Eleven) for the purposes of executing and delivering instruments and documents on behalf of 7-Eleven (see attached Limited Authorization form).

We declare, under penalty of perjury, that the information and/or recommendations contained in the enclosed report are true and correct to best of our knowledge.

Should you have any questions regarding this site, please contact the undersigned at (916) 861-0400.

Sincerely,
Stantec Consulting Corporation

Damon Brown
Geologic Associate
Project Manager



LIMITED AUTHORIZATION

KNOW ALL MEN BY THESE PRESENTS:

That 7-ELEVEN, INC. ("7-Eleven"), a Texas corporation, acting by and through Gary C. Lockhart, Vice President, does hereby nominate, constitute and appoint STANTEC CONSULTING CORPORATION, a Delaware corporation formerly known as SECOR International Incorporated, as Limited Agent ("Agent") of 7-Eleven, for purposes of executing and delivering instruments and documents as more particularly described below, and does hereby grant, delegate and invest said Agent with power and authority to execute and deliver for, in the name of, and on behalf of 7-Eleven, and in connection with that certain Agreement by and between 7-Eleven and Agent, dated as of February 1, 2003 (as amended, the "Agreement"), the instruments and documents listed in Attachment I hereto.

Agent may exercise the power and authority herein granted, delegated and invested, in any particular and appropriate transaction or matter, as an agent of 7-Eleven. Any instruments and documents executed and delivered by Agent under this Limited Authorization shall be acts of 7-Eleven and may be relied upon by third parties dealing with 7-Eleven, such acts being hereby ratified and confirmed by virtue hereof. Agent shall deliver all instruments and documents executed and delivered by Agent under this Limited Authorization to 7-Eleven promptly following such execution and delivery.

Any and all acts of Agent hereunder shall comply with all applicable federal, state and local laws, regulations, rules and ordinances and with all applicable orders of any courts of competent jurisdiction.

This Limited Authorization shall expire upon the expiration or earlier termination of the Agreement or may be terminated at any time for any reason by 7-Eleven.

APPROVED AND EXECUTED this 22nd day of MAY, 2008, to be effective as of June 1, 2008.

7-ELEVEN, INC.

ATTEST:



Assistant Secretary

By: 
Title: Vice President

ATTACHMENT I

Such permits, reports, applications and other documentation issued by any federal, state or local governmental authority and such other standard form documentation provided by 7-Eleven or third parties to be completed in connection with Agent's performance of environmental consulting services pursuant to the Agreement, including, without limitation, the following:

- a. Waste Manifests;
- b. Waste Characterization Forms;
- c. Bills of Lading;
- d. Waste Disposal Agreements;
- e. Registration and Notification Forms for underground storage tanks;
- f. Incident Reports;
- g. Discharge Notification Forms;
- h. Tank Closure Reports;
- i. Permit Applications, Notices and other documents relating to the investigation, monitoring or remediation work performed under the Agreement;
- j. Reports to state environmental agencies regarding investigation, monitoring or remediation work performed under the Agreement; and
- k. Applications to any state underground storage tank insurance or reimbursement fund;

Provided, however, that in each case, the foregoing authorization shall not extend to any permits, reports, applications or other documentation that contain: (i) any language, the effect of which is to require 7-Eleven to indemnify, defend, and/or hold harmless any third party for any act or omission of any kind; or (ii) any statement of any kind, including, without limitation, any representation or warranty, which Agent does not personally know to be true and correct, including, without limitation, any representation concerning the legal existence or financial condition of 7-Eleven.



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May 17, 2010

Mr. Jerry Wickham
Alameda County Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: **Additional Soil and Groundwater Assessment**
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551
Stantec Project No.: 211502037.210.0502

Dear Mr. Wickham:

This report was prepared by Stantec Consulting Corporation (Stantec) on behalf of 7-Eleven Inc. (7-Eleven), to document the advancement of three direct-push soil borings (GP-1 through GP-3) at 7-Eleven store #32266, located at 1339 Vasco Road in Livermore, California (Figures 1 and 2). This work was performed and report prepared in response to the Alameda County Environmental Health Services (ACEHS) letter dated November 20, 2009 (Attachment A).

INTRODUCTON

The scope of work summarized in this report was proposed in Stantec's *Work Plan for Additional Soil and Groundwater Assessment*, dated February 1, 2010. The ACEHS approved the proposed scope of work with additional comments in a letter dated March 22, 2010 (Attachment A).

The work summarized in this report includes:

1. Obtaining permits and preparing a health and safety plan.
2. Clearing three boring locations using Underground Service Alert (USA) and a private utility locator.
3. Advancement and sampling of three direct-push soil borings.
4. Submitting soil and grab-groundwater samples for laboratory analysis.

SITE BACKGROUND

In January 2005, two single-walled steel, fiberglass-jacketed underground storage tanks (USTs) (one 10,000-gallon and one 15,000-gallon) were replaced with new double-walled fiberglass USTs. A total of 26 soil samples were collected during the UST replacement activities as follows:

- Five soil samples from the UST excavation,
- Six soil samples from the beneath the product dispensers,
- Five soil samples from the product line trenches,
- Eleven samples (44 samples combined at laboratory for eleven 4-part composite samples) from the stockpiled UST backfill material.

Total petroleum hydrocarbons as gasoline (TPHg) was not detected above laboratory reporting limits in any of the soil samples collected during the UST replacement activities (Table 1). The maximum concentrations of tertiary butyl alcohol (TBA) and methyl tertiary butyl ether (MtBE) detected were 2.4 milligrams per kilogram (mg/kg) and 2.6 mg/kg in UST excavation sample T1-2-12. Total lead was detected in each of the samples at concentrations ranging from 4.98 mg/kg to 28.4 mg/kg.

In addition, a total of three water samples were collected during the 2005 UST replacement activities as follows:

- One grab sample from water collected/pooled within the excavated UST basin,
- Two samples collected from 20,000-gallon Baker Tanks storing pumped UST excavation water.

MtBE was detected at 180 micrograms per liter ($\mu\text{g/L}$) and benzene was reported at 25 $\mu\text{g/L}$ in UST excavation water sample W1 (Table 2). TPHg was detected at 3,400 $\mu\text{g/L}$. No TPHg was detected in either Baker Tank sample (BT-1 or BT-2). Total xylenes were reported in sample BT-1 at 0.70 $\mu\text{g/L}$. MtBE was detected in both samples at concentrations of 340 $\mu\text{g/L}$ (BT-1) and 400 $\mu\text{g/L}$ (BT-2). Based on the results of the water samples collected, a UST Unauthorized Release report was filled out and submitted to the Livermore-Pleasanton Fire Department (LPPFD) and the California Regional Water Quality Control Board (CRWQCB).

On December 4, 2008, Stantec's field scientist collected one soil sample in native soil from beneath four of the six dispensers (D1-5.0, D2-5.0, D3-5.0 and D4-5.0) at the site during fuel system upgrade activities at the site (Figure 2). In addition, Stantec collected four soil samples from stockpiled excavated backfill material. The four samples were combined at the laboratory for one four-part composite sample SP1(ABCD). TPHg, benzene, toluene, ethyl-benzene and total xylenes (BTEX) were not detected above laboratory reporting limits in the dispenser soil samples collected, with the exception of dispenser sample D2-5. Soil sample D2-5 contained 0.21 mg/kg benzene, 0.59 mg/kg toluene, 0.26 mg/kg ethyl-benzene, 1.4 mg/kg xylenes, and 12 mg/kg TPHg. MtBE and TBA were detected exclusively in soil sample D1-5.5, at concentrations of 0.024 mg/kg and 0.0076 mg/kg, respectively. Di-isopropyl ether (DIPE), ethyl tertiary butyl ether (EtBE), and tertiary amyl methyl ether (TAME) were not detected above laboratory reporting limits in any dispenser soil samples collected. BTEX, TPHg, MtBE, TBA, DIPE, EtBE, and TAME were not detected at concentrations above laboratory reporting limits in the stockpiled soil sample collected during this investigation. Total lead was detected at concentration of 4.4 mg/kg.

DIRECT- PUSH SOIL BORING ADVANCEMENT AND SAMPLING

Permitting/Site-Specific Health and Safety Plan/Utility Clearance

Soil boring permits for GP-1 through GP-3 were obtained from the Zone 7 Water Agency prior to conducting subsurface work at the site (Attachment B).

Stantec prepared a site-specific *Health and Safety Plan* (HASP) for the proposed scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by all Stantec personnel and subcontractors prior to performing work at the site.

Prior to conducting subsurface work at the site, USA was contacted to delineate subsurface utilities near the site with surface markings. In addition, a private utility locator service was contracted to clear the area surrounding the proposed boring locations.

Soil Borings

On April 20, 2010, Stantec supervised WDC Exploration and Wells (WDC) of Richmond, California, during the advancement of three direct-push soil borings GP-1 through GP-3 at the locations shown on Figure 2. The first five feet of each boring were advanced via hand auger. At 5 feet below ground surface (bgs), borings GP-1, GP-2, and GP-3 were advanced using a truck-mounted rig equipped with a 2-inch diameter Macro Core[®] sampling device to a total depth of 20, 25, and 30 feet bgs, respectively (Table 3).

Soil Sampling

Soil samples were continuously cored from borings GP-1 and GP-3 starting at 5 feet bgs and at 10 feet bgs from boring GP-2. Down-hole drilling equipment was cleaned before advancing each borehole, and sampling equipment was cleaned between each sampling interval. Each soil sample was screened for hydrocarbon vapors using a portable photoionization detector (PID). Soils encountered during drilling were logged using the Unified Soil Classification System by a Stantec field geologist, working under the supervision of a California registered geologist.

Soil samples were collected using a 2-inch by four-foot long core barrel containing a 1.75-inch diameter clear acrylic sample tube. Selected soil samples retained for analysis were sealed with Teflon[®] sheeting and plastic caps, labeled and placed on ice in an insulated container for delivery to Kiff Analytical (Kiff) located in Davis, California, accompanied by the appropriate Chain-of-Custody (COC) documentation. Soil samples were analyzed for TPHg, BTEX, MtBE, TAME, DIPE, EtBE, and TBA by Environmental Protection Agency (EPA) Method 8260B. Copies of the field notes are included in Attachment C.

Soil Stratigraphy and Geology

Based on the description of the soil samples collected from soil borings GP-1 through GP-3, the soil stratigraphy encountered at the site consists primarily of clay with minor silty sand lenses from ground surface to 25 feet bgs. Copies of the soil boring logs are included in Attachment D.

Grab-Groundwater Sampling

Grab groundwater samples were collected from the borings using a modified HydroPunch® sampler after collecting the soil samples described above. Prior to sampling, a water-level meter was used to confirm that the drive rods do not contain water. The sampler was then driven to approximately five feet below groundwater and retracted three feet to expose a disposable schedule 20 polyvinyl chloride (PVC) screen and allow groundwater to enter the HydroPunch® sampler. The water samples were collected by lowering a ¾"-diameter stainless steel bailer through the drive rods to groundwater. The groundwater was bailed from the drive rods, decanted from the bailer into 40-ml VOA vials, and capped. Each VOA vial was checked to ensure no bubbles were present, labeled, placed on ice, and transported to the laboratory accompanied by the appropriate COC documentation. The drive rods were then retracted, leaving the disposable drive tip and four foot length of PVC well screen in the hole.

Groundwater samples were submitted to Kiff for analysis of TPHg, BTEX, MtBE, TAME, DIPE, EtBE, and TBA by EPA Method 8260B. Copies of the field notes are included in Attachment C.

Following logging of soil stratigraphy and collection of soil and grab-groundwater samples, soil borings GP-1 through GP-3 were tremie-grouted from total depth to grade with neat cement.

RESULTS OF SAMPLING ANALYSIS***Soil Sample Analytical Results***

Soil sample analytical results are presented on Figure 2 and shown in Table 1. Eight soil samples were collected from soil borings GP-1 through GP-3 for laboratory analysis. MtBE was reported in soil boring GP-3 at 10 and 15 feet bgs at concentrations of 0.023 mg/kg and 1.1 mg/kg, respectively. TBA was exclusively detected in soil boring GP-3 at 15 feet bgs at a concentration of 0.0076 mg/kg. BTEX, TPHg, DIPE, EtBE, and TAME were not detected at concentrations above the laboratory reporting limits in soil samples collected from soil borings GP-1 through GP-3.

Copies of the certified laboratory analytical report and COC documentation are presented in Attachment E.

Grab-Groundwater Sample Analytical Results

Grab-groundwater sample analytical results are presented on Figure 3 and shown in Table 2. Grab-groundwater samples GP-2W and GP-3W reported MtBE concentrations of 2.9 µg/L and 380 µg/L, respectively. TAME was exclusively detected in grab-groundwater sample GP-3W at a concentration of 0.71 µg/L. BTEX, TPHg, DIPE, EtBE and TBA were not detected at concentrations above the laboratory reporting limits in grab-groundwater samples GP-1 through GP-3.

Copies of the certified laboratory analytical report and COC documentation are presented in Attachment E.

WASTE HANDLING AND DISPOSAL

Soil generated during the advancement of soil borings GP-1 through GP-3 was temporarily stored onsite in a properly labeled Department of Transportation (DOT), 55-gallon drum pending characterization and disposal. A four-point composite soil sample SP1(ABCD), was collected from the 55-gallon drum and analyzed for TPHg, BTEX, and MtBE by EPA Method 8260B, and total lead by EPA Method 6010B (Table 1). Copies of the certified laboratory analytical report and COC documentation are included in Attachment E.

Belshire Environmental Services Inc. transported the non-hazardous soil, decon water and purged groundwater for disposal on April 23, 2010. One 55-gallon drum of soil was recycled at TPST Soil Recyclers of California, a soil recycling facility located in Adelanto, California. One 55-gallon drum of water was disposed of at the DeMenno Kerdoon facility located in Compton, California. Copies of the waste disposal documentation are provided in Attachment F.

SUMMARY AND CONCLUSION

On April 20, 2010, Stantec supervised the advancement of three direct-push soil borings (GP-1 through GP-3).

Eight soil samples were collected from soil borings GP-1 through GP-3 for laboratory analysis. Reported MtBE concentrations in soil borings GP-1 through GP-3 ranged from below method reporting limits to a maximum concentration of 1.1 mg/kg in GP-3-15. TBA was exclusively detected in soil sample GP-3-15 at a concentration of 0.0076 mg/kg. BTEX, TPHg, DIPE, EtBE, and TAME were not detected at concentrations above the laboratory reporting limits in soil samples collected from soil borings GP-1 through GP-3.

Reported MtBE concentrations in grab-groundwater samples GP-1W, GP-2W, and GP-3W ranged from below method reporting limits to a maximum concentration of 380 µg/L in GP-3W. TAME was exclusively detected in grab-groundwater sample GP-3W at a concentration of 0.71 µg/L. BTEX, TPHg, DIPE, EtBE and TBA were not detected at concentrations above the laboratory reporting limits in grab-groundwater samples GP-1 through GP-3.

The results of the assessment work will be uploaded to the ACEHS FTP site. In addition, the report will be uploaded to the State of California GeoTracker database in EDF format, per California code AB2886.

Should you have any questions regarding this site, please contact the undersigned at (916) 861-0400.

Sincerely,
Stantec Consulting Corporation

Prepared by:



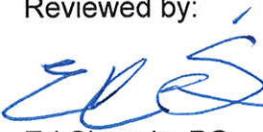
Patrick Herrmann
Project Scientist

Reviewed by:



Damon Brown
Geologic Associate
Project Manager

Reviewed by:



Ed Simonis, PG
Senior Geologist

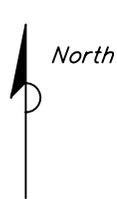
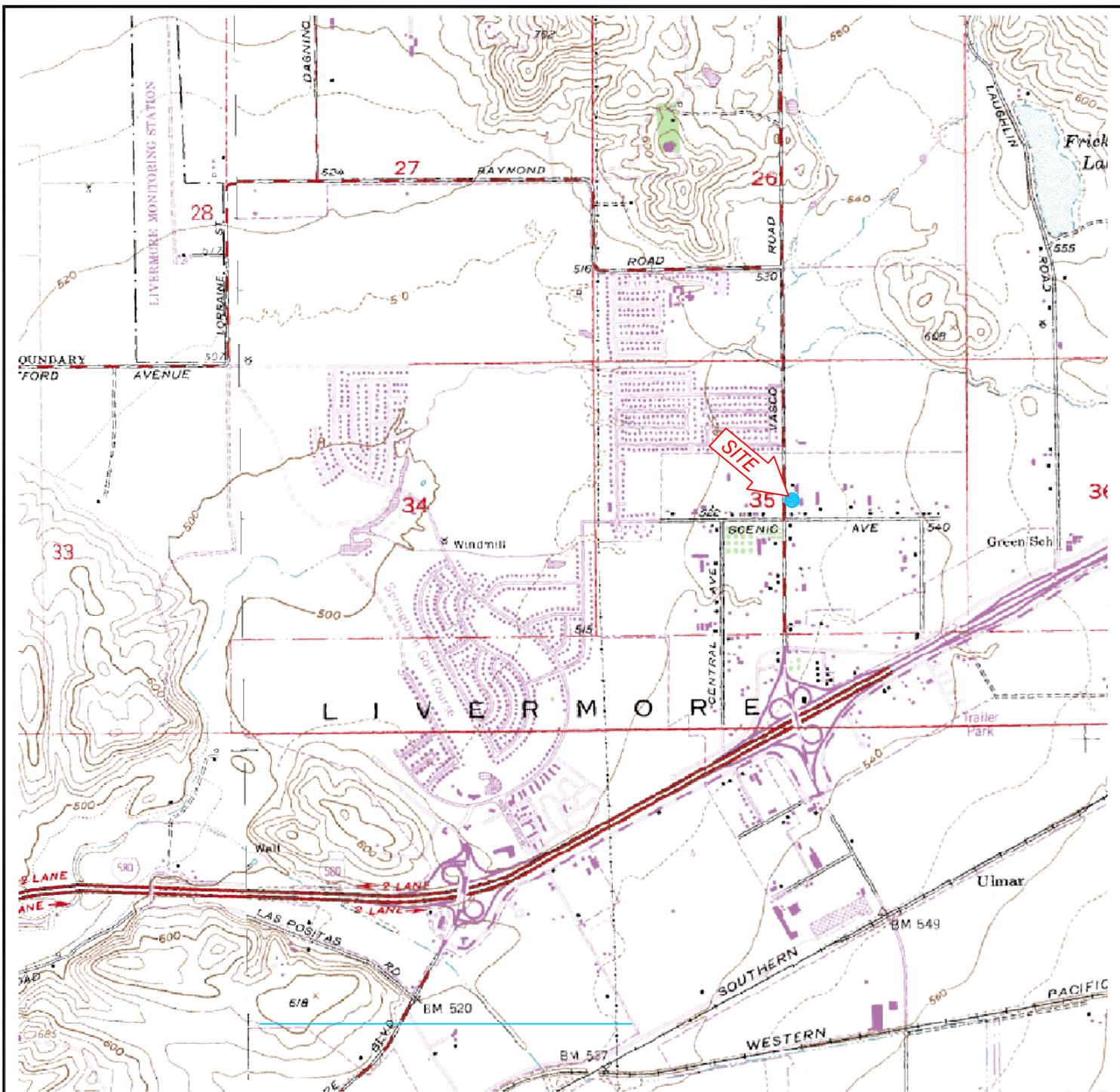


Attachments:

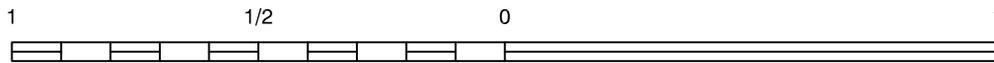
- Figures
- Tables
- Attachment A – Regulatory Correspondence
- Attachment B – Permits
- Attachment C – Field Notes
- Attachment D – Soil Boring Logs
- Attachment E – Certified Laboratory Analytical Reports and Chain-of-Custody Documentation
- Attachment F – Waste Disposal Documentation

cc: Mr. John Wainwright, Stantec, 308 East 4500 South, Suite 100, Murray, Utah 84101

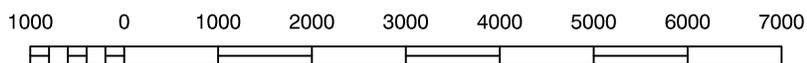
Figures



CALIFORNIA



SCALE (MILES)



SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, LIVERMORE, CALIFORNIA



Stantec

FOR:
 7-ELEVEN, INC.
 FACILITY NO. 32266
 1339 VASCO ROAD
 LIVERMORE, CALIFORNIA

SITE LOCATION MAP

FIGURE:

1

JOB NUMBER:
 211502037

DRAWN BY:
 STA

CHECKED BY:
 PH

APPROVED BY:
 DB

DATE:
 05/06/10

VASCO ROAD

SCENIC AVE.

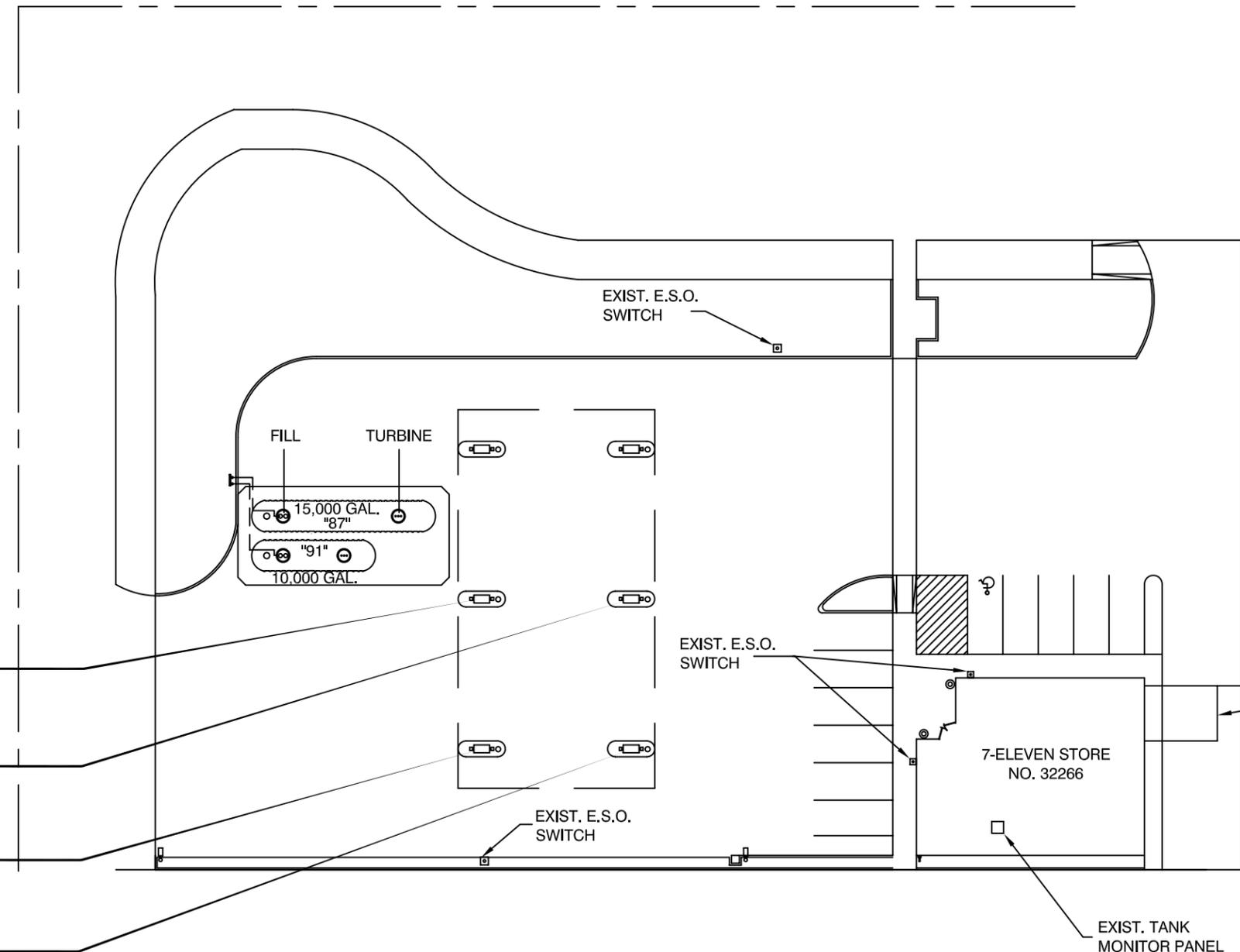
LEGEND

CHEMICAL ANALYTICAL RESULTS:

DEPTH	TPHg	B	MtBE	ANALYTE
5.0'	<1.0	<0.0050	<0.0050	CONCENTRATION (mg/kg)

ANALYTES:

- DEPTH — DEPTH IN FEET BELOW GRADE SURFACE
- TPHg — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (mg/kg)
- B — BENZENE (mg/kg)
- MtBE — METHYL TERTIARY BUTYL ETHER (mg/kg)
- mg/kg — MILLIGRAMS PER KILOGRAM



D4-5.0 (12/04/08)

DEPTH	TPHg	B	MtBE
5.0'	<1.0	<0.0050	<0.0050

D3-5.0 (12/04/08)

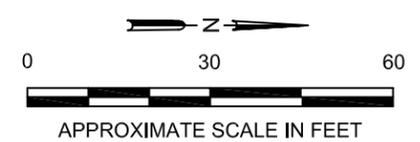
DEPTH	TPHg	B	MtBE
5.0'	<1.0	<0.0050	<0.0050

D2-5.0 (12/04/08)

DEPTH	TPHg	B	MtBE
5.0'	12	0.21	<0.0050

D1-5.0 (12/04/08)

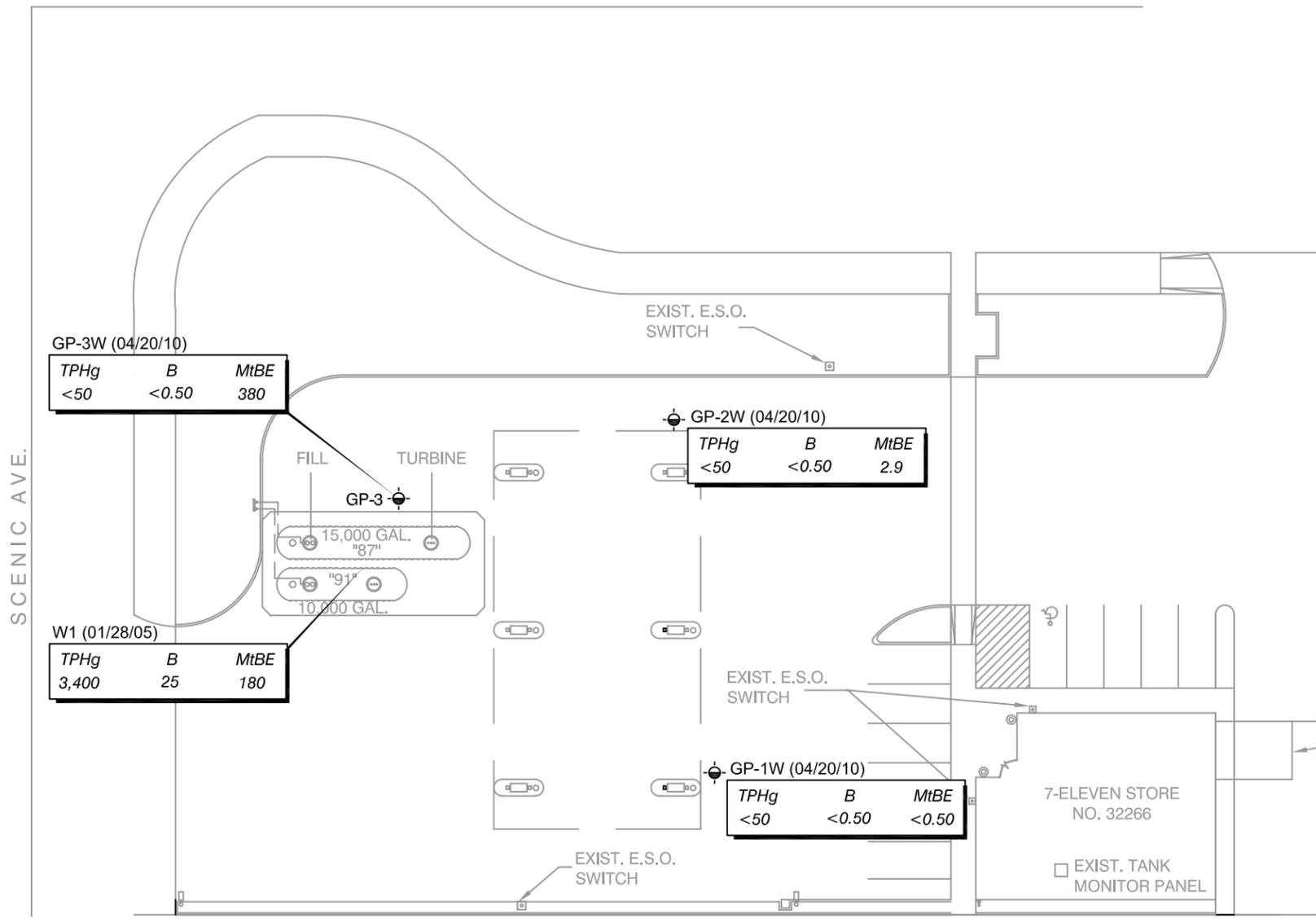
DEPTH	TPHg	B	MtBE
5.0'	<1.0	<0.0050	0.024



No warranty is made by Stantec Consulting Corp. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

	FOR:	7-ELEVEN STORE NO. 32266 1339 NORTH VASCO ROAD LIVERMORE, CALIFORNIA		FUEL LINE UPGRADE SOIL SAMPLE CONCENTRATION MAP	FIGURE:	2
	JOB NUMBER:	DRAWN BY:	CHECKED BY:		APPROVED BY:	
	77EL.32266.08	STA	PH	DB	12/10/08	

VASCO ROAD



LEGEND:

- W1 ▲ UST EXCAVATION WATER SAMPLE LOCATION
- GP-1 ● GEOPROBE SAMPLE LOCATION

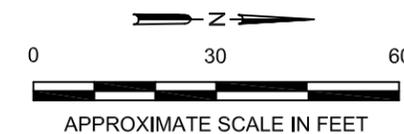
CHEMICAL ANALYTICAL RESULTS:

TPHg	B	MtBE	ANALYTE
<50	<0.50	2.9	CONCENTRATION (µg/L)

ANALYTES:

- TPHg — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (µg/L)
- B — BENZENE (µg/L)
- MtBE — METHYL TERTIARY BUTYL ETHER (µg/L)
- (µg/L) — MICROGRAMS PER LITER

SCENIC AVE.



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	FOR: 7-ELEVEN STORE NO. 32266 1339 NORTH VASCO ROAD LIVERMORE, CALIFORNIA		HISTORICAL GROUNDWATER CONCENTRATION MAP		FIGURE: 3
	JOB NUMBER: 211502037	DRAWN BY: STA	CHECKED BY: PH	APPROVED BY: DB	DATE: 05/06/10

Tables

TABLE 1
Historical Soil Sample Analytical Results

7-Eleven Store #32266
1339 Vasco Road
Livermore, California

Sample I.D.	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	TPHg (mg/kg)	MtBE (mg/kg)	DIPE (mg/kg)	EtBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	EtOH (mg/kg)	Total Lead (mg/kg)	Notes
Dispenser Samples																	
D1-5.5	01/28/05	5.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.71	
D2-5.0	01/28/05	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.039	<0.0050	<0.0050	<0.0050	0.016	<0.0050	<0.0050	0.010	6.57	
D3-4.5	01/28/05	4.5	0.026	0.086	0.010	0.055	<1.0	0.14	<0.0050	<0.0050	<0.0050	0.0064	<0.0050	<0.0050	0.27	28.4	J
D4-4.5	01/28/05	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.012	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.01	
D5-5.0	01/28/05	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	5.53	
D6-6.0	01/28/05	6.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.018	<0.0050	<0.0050	<0.0050	0.049	<0.0050	<0.0050	<0.010	4.98	
D1-5.5	12/04/08	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.024	<0.0050	<0.0050	<0.0050	0.0076	--	--	--	--	a, c
D2-5.0	12/04/08	5.0	0.21	0.59	0.26	1.4	12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	b, c
D3-4.5	12/04/08	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	a, c
D4-4.5	12/04/08	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	b, c
Line Samples																	
L1-3.5	01/28/05	3.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	5.51	
L2-4.0	01/28/05	4.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	11.2	
L3-4.5	01/28/05	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	7.14	
L4-4.5	02/09/05	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.61	
L5-4.5	02/09/05	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.49	
UST Excavation Samples																	
T1-1-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.034	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	5.82	
T1-2-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	2.4	<0.0050	<0.0050	0.0068	2.6	<0.0050	<0.0050	<0.025	6.49	
T2-1-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.016	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.65	
T2-2-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	7.50	
T2-3-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.18	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	5.66	
Soil Boring Soil Samples																	
GP-1-5	04/20/10	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	
GP-1-10	04/20/10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	
GP-1-15	04/20/10	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	
GP-2-10	04/20/10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	
GP-2-15	04/20/10	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	
GP-3-5	04/20/10	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	
GP-3-10	04/20/10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.023	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	
GP-3-15	04/20/10	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	1.1	<0.0050	<0.0050	<0.0050	0.0076	--	--	--	--	J

TABLE 1
Historical Soil Sample Analytical Results

7-Eleven Store #32266
1339 Vasco Road
Livermore, California

Sample I.D.	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	TPHg (mg/kg)	MtBE (mg/kg)	DIPE (mg/kg)	EtBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	EtOH (mg/kg)	Total Lead (mg/kg)	Notes
Stockpile Soil Samples																	
SP1 (ABCD)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	3.75	
SP1 (EFGH)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	2.66	
SP1 (IJKL)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	3.30	
SP1 (MNOP)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	4.40	
SP2 (ABCD)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	3.80	
SP2 (EFGH)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	3.01	
SP2 (IJKL)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	3.24	
SP2 (MNOP)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	5.15	
SP2 (QRST)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	2.75	
SP2 (UVWX)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	3.17	
SP3 (ABCD)	01/28/05	--	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	3.14	
SP1(ABCD)	12/04/08	---	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	4.4	b,c
SP1(ABCD)	04/20/10	---	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	6.8	e

Explanation:

TPHg, BTEX, MtBE, DIPE, EtBE, TAME, TBA, EDB, EDC, EtOH by 8260
ft bgs = Feet Below Ground Surface
mg/kg = milligrams per kilogram or parts-per-million
< = Not detected above laboratory reporting limit
UST = Underground Storage Tank

TPHg = Total petroleum hydrocarbons-as-gasoline
MtBE = Methyl-tert-butyl ether
DIPE = Diisopropyl ether
EtBE = Ethyl-tert-butyl ether
TAME = Tert-amyl-methyl ether
-- = not analyzed

TBA = Tert-butyl alcohol
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
EtOH = Ethanol
Total Lead analysis by 6010B

Notes:

- a = Matrix Spike/Matrix Spike Duplicate results for the analytes tert-butanol and toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.
- b = Matrix Spike/Matrix Spike Duplicate results for the analyte methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.
- c = composite soil profile samples
- d = Note that dispenser sample names/designations differ in location from dispenser samples collected in 2005.
- J = TBA results may be biased slightly high and is flagged with a 'J'. A fraction of MtBE (up to 5%) converts to TBA during the analysis of soil samples. This conversion effect is considered to be mathematically significant in samples that contain MtBE/TBA in ratios of over 3:1.
- e = Matrix Spike/Matrix Spike Duplicate results for the analytes Ethylbenzene, P + M Xylene, O-Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

TABLE 2
Historical Water and/or Groundwater Sample Analytical Results

7-Eleven Store #32266
 1339 Vasco Road
 Livermore, California

Sample I.D.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	TPHg (µg/L)	MtBE (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	EtOH (µg/L)	Notes
UST Excavation Groundwater Sample															
W1	01/28/05	25	290	62	520	3,400	180	<1.5	<1.5	<1.5	15	<1.5	<1.5	2,600	
Baker Tank Samples															
BT-1	02/04/05	<0.50	<0.50	<0.50	0.70	<50	340	--	--	--	--	--	--	--	
BT-2	02/04/05	<0.90	<0.90	<0.90	<0.90	<90	400	--	--	--	--	--	--	--	
Grab Groundwater Samples															
GP-1W	04/20/10	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	
GP-2W	04/20/10	<0.50	<0.50	<0.50	<0.50	<50	2.9	<0.50	<0.50	<0.50	<5.0	--	--	--	
GP-3W	04/20/10	<0.50	<0.50	<0.50	<0.50	<50	380	<0.50	<0.50	0.71	<5.0	--	--	--	

Explanation:

BTEX, TPHg, MtBE, DIPE, ETBE, TAME, and TBA by 8260B
 ft bgs = Feet Below Ground Surface
 µg/L = micrograms per Liter or parts-per-million
 < = Not detected above laboratory reporting limit
 UST = Underground Storage Tank

TPHg = Total petroleum hydrocarbons-as-gasoline
 MtBE = Methyl-tert-butyl ether
 DIPE = Diisopropyl ether
 EtBE = Ethyl-tert-butyl ether
 TAME = Tert-amyl-methyl ether

TBA = Tert-butyl alcohol
 EDB = 1,2-Dibromoethane
 EDC = 1,2-Dichloroethane
 EtOH = Ethanol
 -- = not analyzed

Attachment A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Acting Director



RECEIVED
ENVIRONMENTAL SERVICES
DEC 07 2009
7-ELEVEN, INC.
DALLAS
ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION TEXAS
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

November 20, 2009

Mr. Ken Hilliard
7-Eleven, Inc.
One Arts Plaza
1722 Routh Street, Suite 1000
Dallas, TX 75201

Mr. Michael Blau
Michael H. Blau Trust
PO Box 2768
Danville, CA 94526

Subject: Fuel Leak Case No. RO0002999 and Geotracker Global ID T10000001067, 7 Eleven #32266,
1339 Vasco Road, Livermore, CA 94551

Dear Mr. Hilliard and Mr. Blau:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site. During fuel system upgrade activities in December 2008, four soil samples were collected beneath the dispensers at the 7-Eleven store at 1339 Vasco Road in Livermore. Total petroleum hydrocarbons as gasoline (TPHg) and benzene were detected in one of the soil samples at concentrations of 12 and 0.21 milligrams per kilogram, respectively. MTBE was detected in one of the dispenser soil samples at a concentration of 0.024 mg/kg. MTBE and TBA were also detected in UST excavation soil samples collected from the site in January 2005 at concentrations up to 2.4 and 2.6 mg/kg, respectively. The detections of fuel hydrocarbons and oxygenates in soil samples during the UST excavation and dispenser upgrade indicate that an unauthorized release occurred.

The site is within the Livermore-Amador Valley, which is an area where groundwater is actively used as a drinking water supply. Groundwater within the Livermore-Amador Groundwater Basin constitutes a valuable current and future resource. Due to the indication of a fuel release and the location of your site within a groundwater basin where groundwater is used for drinking water, we request that you complete a site investigation to evaluate whether groundwater has been affected by the release. We request that you submit a work plan detailing your proposal to investigate potential soil and groundwater contamination **by February 24, 2010**.

I have been assigned as the case worker for your fuel leak case. Please send future correspondence or questions to my attention.

REQUEST FOR INFORMATION

We request that you submit copies of any reports you have documenting additional investigation activities or other work that are relevant to the fuel release or other unauthorized releases and not currently in ACEH case files. This includes Phase I environmental site assessment reports and site investigations conducted for potential real estate transactions. ACEH case files may be reviewed online using the ACEH website (<http://www.acgov.org/aceh>).

Mr. Ken Hilliard
Mr. Michael Blau
RO0002999
November 20, 2009
Page 2

TECHNICAL REPORT REQUEST

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

- **February 24, 2010** – 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

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/cleanup/electronic_reporting).

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

Mr. Ken Hilliard
Mr. Michael Blau
RO0002999
November 20, 2009
Page 3

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.

LANDOWNER NOTIFICATION REQUIREMENTS

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site. We have received your letter dated April 15, 2006, which meets this requirement.

In the future, for you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;
3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee title holders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure*.

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

- A. In accordance with Section 25297.15(a) of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. (Check space for applicable proposed action(s)):*
- cleanup proposal (Corrective Action Plan)*
 - request for case closure*
 - local agency intention to make a determination that no further action is required*
 - local agency intention to issue a closure letter*

- OR -

- B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.*

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

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.

Mr. Ken Hilliard
Mr. Michael Blau
RO0002999
November 20, 2009
Page 4

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) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



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

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway,
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

Donna Drogos, ACEH
Jerry Wickham, ACEH
Geotracker, File

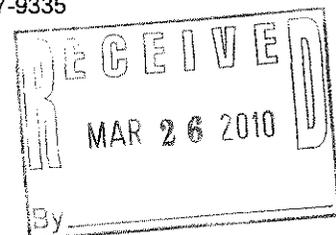


ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

March 22, 2010

Mr. Ken Hilliard
7-Eleven, Inc.
One Arts Plaza
1722 Routh Street, Suite 1000
Dallas, TX 75201

Mr. Michael Blau
Michael H. Blau Trust
PO Box 2768
Danville, CA 94526



Subject: Fuel Leak Case No. RO0002999 and Geotracker Global ID T10000001067, 7 Eleven #32266,
1339 Vasco Road, Livermore, CA 94551 – Conditional Work Plan Approval

Dear Mr. Hilliard and Mr. Blau:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the recently submitted document entitled, "*Work Plan for Additional Soil & Groundwater Assessment*," dated February 1, 2010 (Work Plan). The Work Plan, which was prepared by Stantec Consulting Corporation, presents plans to advance three soil borings for the collection of soil and groundwater samples.

The Work Plan is conditionally approved provided that the technical comments below are addressed and incorporated during implementation of the proposed work. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Soil Boring Locations.** Based on the locations of soil samples with detection of MTBE and the expected groundwater flow direction in this area of the Livermore-Amador Groundwater Basin, we request that the locations of the three proposed soil borings be modified as shown on the attached "Modified Figure 2."
2. **Soil Sampling.** We concur with the proposal to collect continuous soil samples for logging and screening. Soil samples are to be visually logged in the field for soil type, color, moisture content, odor, and other observed features and screened with a photoionization detector. We request that soil samples be collected for laboratory analysis at any interval where visible staining, odor, or elevated PID readings are observed. If no visible soil staining, odor, or elevated PID readings are observed in the soil boring, the proposal to collect soil samples for laboratory analysis at 5-foot intervals is acceptable. Please present boring logs, screening results, and analytical data for soil samples in the Site Assessment Report requested below.
3. **Grab Groundwater Sampling.** The proposed soil borings are to be advanced to a sufficient depth to collect grab groundwater samples and not limited to a depth of 15 feet bgs.

Mr. Ken Hilliard
Mr. Michael Blau
RO0002999
March 22, 2010
Page 2

TECHNICAL REPORT REQUEST

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

- **July 27, 2010** – Site Assessment Report

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/cleanup/electronic_reporting).

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

Mr. Ken Hilliard
Mr. Michael Blau
RO0002999
March 22, 2010
Page 3

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

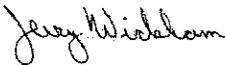
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

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) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Digitally signed by Jerry Wickham
DN: cn=Jerry Wickham, o, ou,
email=jerry.wickham@acgov.org, c=US
Date: 2010.03.23 14:12:28 -07'00'

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

Attachment: Modified Figure 2

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

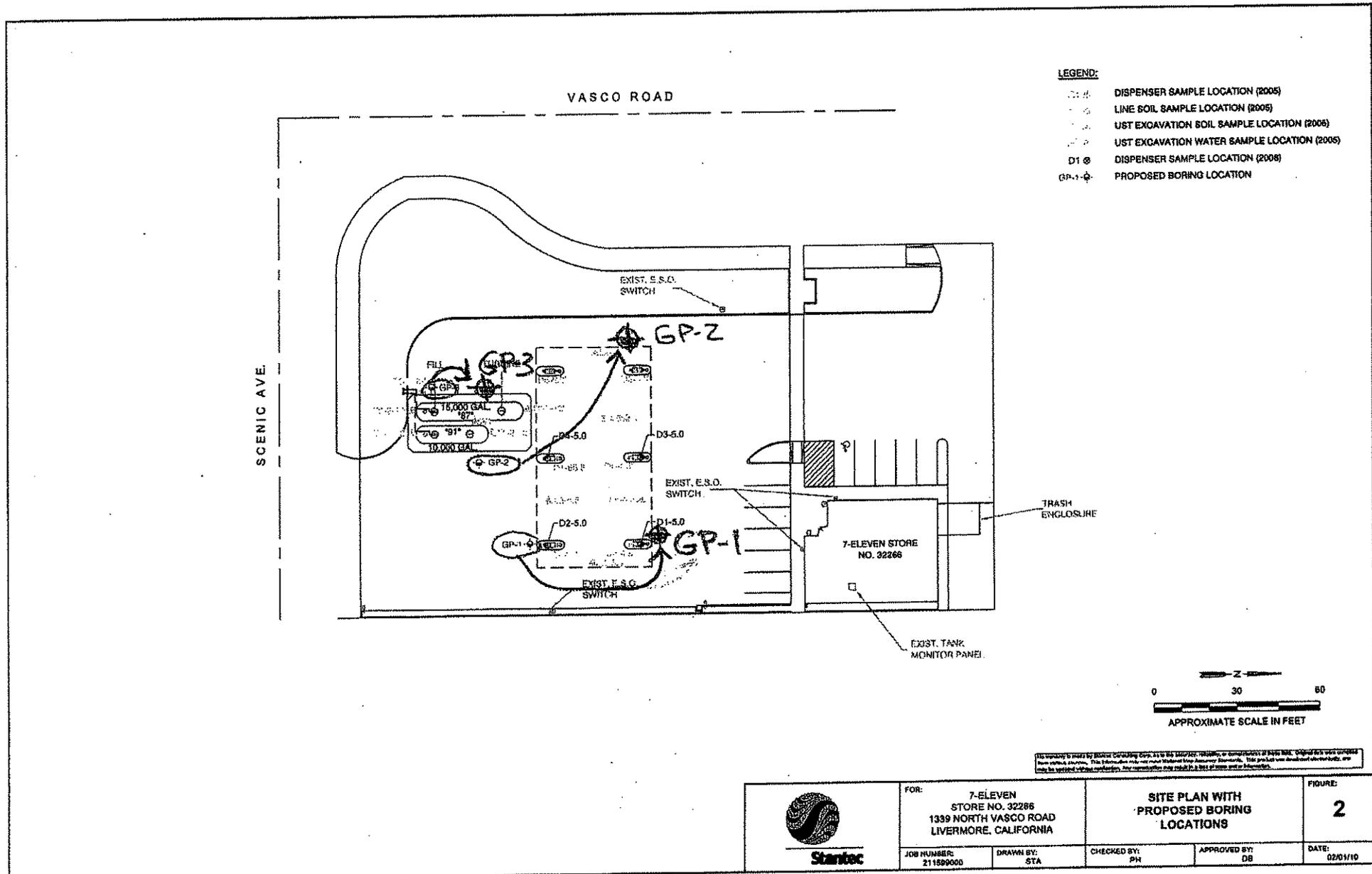
cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566
(Sent via E-mail to: dstefani@lpfire.org)

Cheryl Dizon (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551
(Sent via E-mail to: cdizon@zone7water.com)

Damon Brown, Stantec Consulting Corporation, 3017 Kilgore Road, Suite 199, Rancho Cordova,
CA 95670

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

Geotracker, File



FILEPATH:K:\7-Eleven\32266\FIG 2-7-11-32266-SITE PLAN WITH PROPOSED BORING.dwg | Layout Tab: 11X17L | Drafter: BAguiñado | Feb 01, 2010 at 10:27

Modified Figure 2

	FOR:	7-ELEVEN STORE NO. 32266 1339 NORTH VASCO ROAD LIVERMORE, CALIFORNIA	SITE PLAN WITH PROPOSED BORING LOCATIONS		FIGURE: 2
	JOB NUMBER: 211599000	DRAWN BY: STA	CHECKED BY: PH	APPROVED BY: DB	DATE: 02/01/10

Attachment B Permits



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 7-Eleven Store # 32266
1339 North Vasco Road, Livermore, CA

PERMIT NUMBER 2010029
WELL NUMBER _____
APN 99B-8122-001-00

Coordinates Source _____ ft. Accuracy V _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN _____

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

CLIENT
Name 7-Eleven, Inc c/o Stantec
Address P.O. Box 711 Phone (916) 861-0400
City Dallas, TX Zip 95221

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
 3. Permit is void if project not begun within 90 days of approval date.
 4. **Notify Zone 7 at least 24 hours before the start of work.**

APPLICANT
Name Patrick Herrmann
Email patrick.herrmann@stantec.com Fax (916) 861-0430
Address 207 Kilgore Road, Suite 100 Phone (916) 861-0400
City Rancho Cordova CA Zip 95670

- B. WATER SUPPLY WELLS**
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 3. Grout placed by tremie.
 4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
 5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:
Well Construction _____ Geotechnical Investigation _____
Well Destruction _____ Contamination Investigation X
Cathodic Protection _____ Other _____

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 3. Grout placed by tremie.

PROPOSED WELL USE:
Domestic _____ Irrigation _____
Municipal _____ Remediation _____
Industrial _____ Groundwater Monitoring _____
Dewatering _____ Other _____

- D. GEOTECHNICAL.** Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:
Mud Rotary _____ Air Rotary _____ Hollow Stem Auger _____
Cable Tool _____ Direct Push X Other _____

- E. CATHODIC.** Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY WDC Exploration and Wells

- F. WELL DESTRUCTION.** See attached.

DRILLER'S LICENSE NO. 283326

- G. SPECIAL CONDITIONS.** Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 3 Maximum _____
Hole Diameter 2 in. Depth 15 ft.

ESTIMATED STARTING DATE April 19, 2010
ESTIMATED COMPLETION DATE April 23, 2010

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [Signature] Date 3/26/10

Approved [Signature] Date 4/8/10
Wyman Hong

ATTACH SITE PLAN OR SKETCH

Attachment C Field Notes

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.210.0603
SITE ADDRESS:	1339 North Vasco Road	START DATE:	4/20/2010
	Livermore, California	DATE PREPARED:	4/14/2010
PREPARED FOR:	Colin Ryan	PREPARED BY:	Patrick Herrmann

SITE VISITATION REPORT

Name(s) Colin Ryan Date: 4/20/2010 Did you call in? Yes No
 Arrival Time: 7:00 "Departure Time: 4:30 Who did you call? Damon Brown
 Weather Notations: SUN CLOUDY RAIN SNOW Temperature _____ F

H ₂ O Waste		DRUM INVENTORY			
<u>1</u>		WATER	_____	CARBON	TOTAL OPEN TOP
<u>1</u>		SOIL	_____	EMPTY	TOTAL BUNG TOP

HEALTH AND SAFETY ASSESSMENT

PPE _____
 Slips/Trips/Falls _____
 Foot/Car Traffic _____

DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

7:00 - Arrived onsite, reviewed HASP, spoke w/ store manager regarding today's scope of work
 7:30 - Called in to Damon Brown
 7:45 - Ernesto + Ivan w/ WDC arrive onsite
 - Danielle Manning arrives onsite to observe
 8:00 - Held H&S meeting
 - Begin setup on GP-3
 8:55 - Hand Augering complete, begin advancing rods
 9:30 - Regulator Jeff Jones arrives onsite
 Static Water in GP-3 @ 21' bgs
 - Total depth of GP-3 borehole: 30' bgs
 10:30 - Samples taken, move locations to GP-1
 11:40 - Regulator Jeff Jones arrives back onsite to witness grouting of GP-1
 11:50 - Grouting complete regulator leaves site; will return for GP-2 grouting
 - Prepare to move locations to GP-2
 12:15 - Break for lunch
 12:45 - Drillers return from lunch
 - Begin saw-cutting setup on GP-2

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.210.0603
SITE ADDRESS:	1339 North Vasco Road Livermore, California	START DATE:	4/20/2010
PREPARED FOR:	Colin Ryan	DATE PREPARED:	4/14/2010
		PREPARED BY:	Patrick Herrmann

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By:

Date:

1:30 - Regulator Jeff Jones arrives back onsite to witness grouting of GP-2
* - No 5' sample taken from GP-2, loose material (no recovery)
2:30 - Jeff Jones leaves site, gives go-ahead to grout in his absence
3:30 - Last samples taken, begin grouting + site cleanup
4:30 - Site clean, leave for Sacramento

Attachment D Soil Boring Logs

PROJECT: **7-Eleven Store # 32266**
 LOCATION: **1339 Vasco Rd., Livermore, CA**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

GP-1 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **4/20/10** COMPLETED:
 DRILLING COMPANY: **WDC Drilling**
 DRILLING EQUIPMENT: **Direct Push**
 DRILLING METHOD: **Geoprobe**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **16.5**
 STATIC DTW (ft): **Not Encountered**
 WELL CASING DIA. (in): **---**
 LOGGED BY: **Colin Ryan**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **2**
 CHECKED BY: **Ed Simonis**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			Hand Clear to 5' bgs.							
		CL	CLAY ; CL; brown; moist; no HC odor		GP-1@ 3-3.5'			0.0		
5		CL	CLAY ; CL; brown; stiff; moist; no HC odor; (0,0,10,90)		11:00 GP-1-5			0.0	5	
		CL	SILTY CLAY ; CL; brown; stiff; moist; no HC odor; (0,10,20,70)		GP-1@ 7.5-8'			0.0		
		SC	CLAYEY SAND ; SC; brown; with dark brown mottling. (0,65,15,20)							
		CL	CLAY ; CL; brown; stiff; moist; (0,10,10,80)		11:05 GP-1-10			0.0	10	Neat Cement Grout
10		CL	CLAY ; CL; brown; stiff; moist; (0,10,10,80)							
		CL	CLAY ; CL; grades very stiff		11:10 GP-1-15			0.0	15	
15		CL	CLAY ; CL; grades very stiff							
		CL	SILTY CLAY ; CL; brown; medium plasticity; moist; (0,10,15,75)							
		SM	SILTY FINE SAND ; SM; brown; saturated; (0,75,15,0)		GP-1@ 19.5-20'			0.0	20	
20		CL	SILTY CLAY ; CL; brown; stiff; moist; (0,10,15,10)							
			Borehole terminated at 20 feet.							
25										

GEO FORM 304 I-1.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/12/10

PROJECT: **7-Eleven Store # 32266**
 LOCATION: **1339 Vasco Rd., Livermore, CA**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

GP-2 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **4/20/10** COMPLETED:
 DRILLING COMPANY: **WDC Drilling**
 DRILLING EQUIPMENT: **Direct Push**
 DRILLING METHOD: **Geoprobe**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **23**
 STATIC DTW (ft): **Not Encountered**
 WELL CASING DIA. (in): **---**
 LOGGED BY: **Colin Ryan**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **25.0**
 BOREHOLE DEPTH (ft): **25.0**
 BOREHOLE DIA. (in): **2**
 CHECKED BY: **Ed Simonis**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			Hand Clear to 5' bgs.							
			Pea gravel, pebbles		GP-2@ 3-3.5'			0.0		
5		CL	CLAY ; CL; grayish brown; medium plasticity; moist; (0,10,15,75) No recovery, loose material in sample tube.						5	
		GW	GW; Fragments of chert & meta-sandstone cobbles & pebbles							
		CL	SILTY CLAY ; CL; grayish brown; medium plasticity; moist; (0,10,15,75)		1:40 GP-2-10			0.0	10	
		CL	CLAY ; CL; brown; medium plasticity; stiff; moist; no HC odor; with grayish brown mottling, (0,5,15,80)		1:45 GP-2-15			0.0	15	
		CL	CLAY ; CL; brown; medium plasticity; stiff; moist; (0,10,15,75)			11				
		CL	CLAY ; CL; 5YR 5/4 brown to reddish brown; medium plasticity; very stiff; moist; sparce hard calcareous nodules, (0,0,10,90)		GP-2@ 20-20.5'			0.0	20	
		SM	SILTY FINE SAND ; SM; brown; medium plasticity; soft; wet; (0,70,20,10)							
		CL	CLAY ; CL; brown to grayish brown; medium plasticity; very stiff; moist; no HC odor; (0,0,10,90)		GP-2@ 24.5-25'			0.0	25	
			Borehole terminated at 25 feet.							

GEO FORM 304 I-1.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/12/10

Neat Cement Grout

PROJECT: **7-Eleven Store # 32266**
 LOCATION: **1339 Vasco Rd., Livermore, CA**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

GP-3 PAGE 1 OF 2



DRILLING / INSTALLATION:
 STARTED **4/20/10** COMPLETED:
 DRILLING COMPANY: **WDC Drilling**
 DRILLING EQUIPMENT: **Direct Push**
 DRILLING METHOD: **Geoprobe**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **21**
 STATIC DTW (ft): **Not Encountered**
 WELL CASING DIA. (in): ---
 LOGGED BY: **Colin Ryan**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **30.0**
 BOREHOLE DEPTH (ft): **30.0**
 BOREHOLE DIA. (in): **2**
 CHECKED BY: **Ed Simonis**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			Hand Clear to 5' bgs.							
5		CL	SANDY CLAY AND SILT ; CL; grayish brown; firm to soft; moist; (0,30,40,30)		9:05 GP-3-5			0.0	5	
10		CL	CLAY ; CL; brown; medium plasticity; stiff; moist; (0,0,10,90)		9:10 GP-3-10			0.0	10	
15		CL	CLAY ; CL; brown; medium plasticity; stiff; moist; As above		9:15 GP-3-15			0.0	15	Neat Cement Grout
20		CL	CLAY ; CL; brown; medium plasticity; stiff; moist; As above		GP-3@ 20-20.5'	25		0.0	20	
25		ML	CLAYEY SILT AND FINE SAND ; ML; brown; wet; (0,40,40,20)		GP-3@ 25-25.5'			0.0	25	
		CL	CLAY ; CL; brown; high plasticity; very stiff; moist; (0,0,10,90)		GP-3@ 26.5-27'			0.0		
					GP-3@ 28.5-29'			0.0		
					GP-3@			0.0		

Borehole terminated at 30 feet.

GEO FORM 304 I-1.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/12/10

Attachment E
Certified Laboratory Analytical Reports
and Chain-of-Custody Documentation



Laboratory Results

Damon Brown
Stantec Consulting Corporation
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Subject : 8 Soil Samples
Project Name : 7-Eleven Store #32266
Project Number : 211502037.210

Dear Mr. Brown,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Subject : 8 Soil Samples
Project Name : 7-Eleven Store #32266
Project Number : 211502037.210

Case Narrative

Tert-Butanol results for sample GP-3-15 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (up to 5%) converts to Tert-Butanol during the analysis of soil samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 3:1.

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-1-5**

Matrix : Soil

Lab Number : 72747-01

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	99.7		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-1-10**

Matrix : Soil

Lab Number : 72747-02

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-1-15**

Matrix : Soil

Lab Number : 72747-03

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-2-10**

Matrix : Soil

Lab Number : 72747-04

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-2-15**

Matrix : Soil

Lab Number : 72747-05

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-3-5**

Matrix : Soil

Lab Number : 72747-06

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-3-10**

Matrix : Soil

Lab Number : 72747-07

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	0.023	0.0050	mg/Kg	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-3-15**

Matrix : Soil

Lab Number : 72747-08

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	1.1	0.0050	mg/Kg	EPA 8260B	04/22/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Tert-Butanol	0.0076 J	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	04/21/2010

QC Report : Method Blank Data

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/20/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/20/2010
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	04/20/2010
Toluene - d8 (Surr)	98.7		%	EPA 8260B	04/20/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **7-Eleven Store #32266**Project Number : **211502037.210**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	72733-01	<0.0050	0.0391	0.0395	0.0345	0.0345	mg/Kg	EPA 8260B	4/20/10	88.4	87.3	1.21	67.9-120	25
Diisopropyl ether	72733-01	<0.0050	0.0385	0.0390	0.0339	0.0343	mg/Kg	EPA 8260B	4/20/10	88.0	87.9	0.141	65.2-122	25
Ethyl-tert-butyl ether	72733-01	<0.0050	0.0390	0.0394	0.0319	0.0340	mg/Kg	EPA 8260B	4/20/10	81.9	86.3	5.25	64.6-122	25
Ethylbenzene	72733-01	<0.0050	0.0391	0.0395	0.0337	0.0341	mg/Kg	EPA 8260B	4/20/10	86.3	86.3	0.0333	65.5-127	25
Methyl-t-butyl ether	72733-01	<0.0050	0.0392	0.0397	0.0335	0.0333	mg/Kg	EPA 8260B	4/20/10	85.3	83.9	1.64	57.0-122	25
O-Xylene	72733-01	<0.0050	0.0391	0.0395	0.0324	0.0337	mg/Kg	EPA 8260B	4/20/10	82.9	85.2	2.70	62.3-124	25
P + M Xylene	72733-01	<0.0050	0.0391	0.0395	0.0330	0.0338	mg/Kg	EPA 8260B	4/20/10	84.6	85.6	1.20	62.5-124	25
Tert-Butanol	72733-01	<0.0050	0.195	0.197	0.143	0.162	mg/Kg	EPA 8260B	4/20/10	73.2	82.0	11.3	64.3-122	25
Tert-amyl-methyl ether	72733-01	<0.0050	0.0399	0.0403	0.0343	0.0342	mg/Kg	EPA 8260B	4/20/10	86.0	84.7	1.49	64.9-122	25
Toluene	72733-01	<0.0050	0.0391	0.0395	0.0348	0.0354	mg/Kg	EPA 8260B	4/20/10	89.0	89.6	0.616	65.7-120	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methyl-t-butyl ether	72734-01	<0.0050	0.0388	0.0386	0.0308	0.0301	mg/Kg	EPA 8260B	4/21/10	79.4	78.0	1.74	57.0-122	25

QC Report : Laboratory Control Sample (LCS)Project Name : **7-Eleven Store #32266**Project Number : **211502037.210**

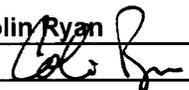
Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0395	mg/Kg	EPA 8260B	4/20/10	94.4	67.9-120
Diisopropyl ether	0.0390	mg/Kg	EPA 8260B	4/20/10	93.3	65.2-122
Ethyl-tert-butyl ether	0.0394	mg/Kg	EPA 8260B	4/20/10	91.9	64.6-122
Ethylbenzene	0.0395	mg/Kg	EPA 8260B	4/20/10	95.3	65.5-127
Methyl-t-butyl ether	0.0397	mg/Kg	EPA 8260B	4/20/10	88.9	57.0-122
O-Xylene	0.0395	mg/Kg	EPA 8260B	4/20/10	93.0	62.3-124
P + M Xylene	0.0395	mg/Kg	EPA 8260B	4/20/10	94.9	62.5-124
Tert-Butanol	0.197	mg/Kg	EPA 8260B	4/20/10	86.9	64.3-122
Tert-amyl-methyl ether	0.0404	mg/Kg	EPA 8260B	4/20/10	90.6	64.9-122
Toluene	0.0395	mg/Kg	EPA 8260B	4/20/10	96.8	65.7-120
Methyl-t-butyl ether	0.0401	mg/Kg	EPA 8260B	4/21/10	91.0	57.0-122

Stantec Chain-of Custody Record

Field Office: 077 Sacramento
 Address: 3017 Kilgore Road, Suite 100
Rancho Cordova, CA

Additional documents are attached, and are part of this Record.
 Job Name: 7-Eleven Store #32266
 Location: 1339 North Vasco Road
Livermore, CA

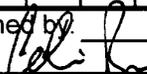
Project # 211502037.210 Task # 0403
 Project Manager Damon Brown
 Laboratory Kiff Analytical
 Turnaround Time Standard

Sampler's Name Colin Ryan
 Sampler's Signature 

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX - EPA 8260	TPHd (Diesel Only) 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile rganics 624/8240 (g=GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	5 Oxygenates by EPA 8260B	1,2 DCA - 8260B	Comments/Instructions	Number of Containers
GP-1-5	4/20/2010	11:00	Soil		X							X			1
GP-1-10		11:05			X							X			1
GP-1-15		11:10			X							X			1
GP-2-10		1:40			X							X			1
GP-2-15		1:45			X							X			1
GP-3-5		9:05			X							X			1
GP-3-10		9:10			X							X			1
GP-3-15		9:15			X							X			1

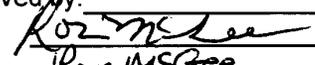
Special Instructions/Comments
5 Oxygenates - MtBE, EtBE, DIPE, TBA, TAME
 Global ID #T10000001067
 email EDD to patrick.herrmann@stantec.com
 email lab report to patrick.herrmann@stantec.com /
damon.brown@stantec.com /
patrick.schiller@stantec.com

Relinquished by: 
 Sign _____
 Print Colin Ryan
 Company Stantec
 Time 8:30 Date 4/21/2010

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd in good condition/cold: _____
 Conforms to record: _____

Relinquished by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Received by: 
 Sign _____
 Print Ron McGee
 Company Kiff Analytical
 Time 0931 Date 042110

Client: Statnec
 Client Contact: Damon Brown
 Client Phone: (916) 861-0400
ext. 230



Laboratory Results

Damon Brown
Stantec Consulting Corporation
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Subject : 1 Soil Sample
Project Name : 7-Eleven Store #32266
Project Number : 211502037.210

Dear Mr. Brown,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Subject : 1 Soil Sample
Project Name : 7-Eleven Store #32266
Project Number : 211502037.210

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with sample SP1(ABCD) for the analytes Ethylbenzene, P + M Xylene, O-Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **SP1(ABCD)**

Matrix : Soil

Lab Number : 72746-01

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Lead	6.8	0.50	mg/Kg	EPA 6010B	04/26/2010
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	04/21/2010

QC Report : Method Blank Data

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	04/26/2010
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	04/21/2010
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.6		%	EPA 8260B	04/21/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **7-Eleven Store #32266**Project Number : **211502037.210**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Lead	72720-01	13	50.0	50.0	52.3	51.2	mg/Kg	EPA 6010B	4/26/10	78.7	76.5	2.12	75-125	20
Benzene	72734-01	<0.0050	0.0386	0.0384	0.0281	0.0275	mg/Kg	EPA 8260B	4/21/10	72.7	71.6	1.54	67.9-120	25
Ethylbenzene	72734-01	<0.0050	0.0386	0.0384	0.0212	0.0199	mg/Kg	EPA 8260B	4/21/10	54.9	51.8	5.75	65.5-127	25
Methyl-t-butyl ether	72734-01	<0.0050	0.0388	0.0386	0.0308	0.0301	mg/Kg	EPA 8260B	4/21/10	79.4	78.0	1.74	57.0-122	25
O-Xylene	72734-01	<0.0050	0.0386	0.0384	0.0202	0.0191	mg/Kg	EPA 8260B	4/21/10	52.3	49.7	4.94	62.3-124	25
P + M Xylene	72734-01	<0.0050	0.0386	0.0384	0.0199	0.0185	mg/Kg	EPA 8260B	4/21/10	51.5	48.3	6.39	62.5-124	25
Toluene	72734-01	<0.0050	0.0386	0.0384	0.0244	0.0235	mg/Kg	EPA 8260B	4/21/10	63.1	61.1	3.20	65.7-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **7-Eleven Store #32266**Project Number : **211502037.210**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Lead	50.0	mg/Kg	EPA 6010B	4/26/10	105	85-115
Benzene	0.0399	mg/Kg	EPA 8260B	4/21/10	92.0	67.9-120
Ethylbenzene	0.0399	mg/Kg	EPA 8260B	4/21/10	95.2	65.5-127
Methyl-t-butyl ether	0.0401	mg/Kg	EPA 8260B	4/21/10	91.0	57.0-122
O-Xylene	0.0399	mg/Kg	EPA 8260B	4/21/10	94.9	62.3-124
P + M Xylene	0.0399	mg/Kg	EPA 8260B	4/21/10	93.2	62.5-124
Toluene	0.0399	mg/Kg	EPA 8260B	4/21/10	91.2	65.7-120



Laboratory Results

Damon Brown
Stantec Consulting Corporation
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Subject : 3 Water Samples
Project Name : 7-Eleven Store #32266
Project Number : 211502037.210

Dear Mr. Brown,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-1W**

Matrix : Water

Lab Number : 72745-01

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/27/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/27/2010
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	04/27/2010
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	04/27/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-2W**

Matrix : Water

Lab Number : 72745-02

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	2.9	0.50	ug/L	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/21/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	04/21/2010

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Sample : **GP-3W**

Matrix : Water

Lab Number : 72745-03

Sample Date :04/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	380	0.50	ug/L	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	0.71	0.50	ug/L	EPA 8260B	04/21/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/21/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	04/21/2010

QC Report : Method Blank Data

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/21/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/21/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/21/2010
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	04/21/2010
Toluene - d8 (Surr)	99.8		%	EPA 8260B	04/21/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	04/27/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	04/27/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/27/2010
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	04/27/2010
Toluene - d8 (Surr)	96.6		%	EPA 8260B	04/27/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **7-Eleven Store #32266**Project Number : **211502037.210**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	72728-06	26	39.6	39.6	61.4	60.7	ug/L	EPA 8260B	4/21/10	89.5	87.9	1.85	80-120	25
Diisopropyl ether	72728-06	<0.50	39.1	39.1	37.2	37.0	ug/L	EPA 8260B	4/21/10	95.3	94.8	0.496	80-120	25
Ethyl-tert-butyl ether	72728-06	<0.50	39.5	39.5	36.4	36.3	ug/L	EPA 8260B	4/21/10	92.1	91.9	0.153	76.5-120	25
Ethylbenzene	72728-06	0.85	39.6	39.6	38.7	38.4	ug/L	EPA 8260B	4/21/10	95.5	94.7	0.863	80-120	25
Methyl-t-butyl ether	72728-06	0.65	39.8	39.8	36.2	37.4	ug/L	EPA 8260B	4/21/10	89.5	92.5	3.35	69.7-121	25
O-Xylene	72728-06	1.1	39.6	39.6	38.4	38.6	ug/L	EPA 8260B	4/21/10	94.1	94.8	0.700	79.7-120	25
P + M Xylene	72728-06	1.7	39.6	39.6	38.4	38.5	ug/L	EPA 8260B	4/21/10	92.9	93.1	0.192	76.8-120	25
Tert-Butanol	72728-06	23	197	197	205	201	ug/L	EPA 8260B	4/21/10	92.0	90.3	1.79	80-120	25
Tert-amyl-methyl ether	72728-06	<0.50	40.4	40.4	37.0	37.5	ug/L	EPA 8260B	4/21/10	91.5	92.8	1.43	78.9-120	25
Toluene	72728-06	1.2	39.6	39.6	37.9	37.3	ug/L	EPA 8260B	4/21/10	92.7	91.1	1.69	80-120	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 7-Eleven Store #32266

Project Number : 211502037.210

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	72745-01	<0.50	40.0	40.0	40.4	39.3	ug/L	EPA 8260B	4/27/10	101	98.3	2.67	80-120	25
Diisopropyl ether	72745-01	<0.50	39.5	39.5	45.6	45.2	ug/L	EPA 8260B	4/27/10	116	114	1.00	80-120	25
Ethyl-tert-butyl ether	72745-01	<0.50	39.9	39.9	44.4	45.0	ug/L	EPA 8260B	4/27/10	111	113	1.43	76.5-120	25
Ethylbenzene	72745-01	<0.50	40.0	40.0	42.2	41.0	ug/L	EPA 8260B	4/27/10	105	102	2.98	80-120	25
Methyl-t-butyl ether	72745-01	<0.50	40.2	40.2	43.8	42.8	ug/L	EPA 8260B	4/27/10	109	107	2.14	69.7-121	25
O-Xylene	72745-01	<0.50	40.0	40.0	42.4	41.4	ug/L	EPA 8260B	4/27/10	106	103	2.63	79.7-120	25
P + M Xylene	72745-01	<0.50	40.0	40.0	41.7	40.9	ug/L	EPA 8260B	4/27/10	104	102	1.87	76.8-120	25
Tert-Butanol	72745-01	<5.0	199	199	198	192	ug/L	EPA 8260B	4/27/10	99.1	96.4	2.76	80-120	25
Tert-amyl-methyl ether	72745-01	<0.50	40.8	40.8	43.2	42.7	ug/L	EPA 8260B	4/27/10	106	104	1.30	78.9-120	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **7-Eleven Store #32266**

Project Number : **211502037.210**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene	72745-01	<0.50	40.0	40.0	39.7	38.4	ug/L	EPA 8260B	4/27/10	99.2	95.9	3.34	80-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **7-Eleven Store #32266**Project Number : **211502037.210**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	4/21/10	91.9	80-120
Diisopropyl ether	39.5	ug/L	EPA 8260B	4/21/10	94.8	80-120
Ethyl-tert-butyl ether	39.9	ug/L	EPA 8260B	4/21/10	92.7	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	4/21/10	94.6	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	4/21/10	90.2	69.7-121
O-Xylene	40.0	ug/L	EPA 8260B	4/21/10	93.0	79.7-120
P + M Xylene	40.0	ug/L	EPA 8260B	4/21/10	92.7	76.8-120
Tert-Butanol	199	ug/L	EPA 8260B	4/21/10	91.0	80-120
Tert-amyl-methyl ether	40.8	ug/L	EPA 8260B	4/21/10	92.6	78.9-120
Toluene	40.0	ug/L	EPA 8260B	4/21/10	92.1	80-120
Benzene	40.1	ug/L	EPA 8260B	4/27/10	98.4	80-120
Diisopropyl ether	39.6	ug/L	EPA 8260B	4/27/10	114	80-120
Ethyl-tert-butyl ether	40.0	ug/L	EPA 8260B	4/27/10	110	76.5-120
Ethylbenzene	40.1	ug/L	EPA 8260B	4/27/10	104	80-120
Methyl-t-butyl ether	40.3	ug/L	EPA 8260B	4/27/10	105	69.7-121
P + M Xylene	40.1	ug/L	EPA 8260B	4/27/10	104	76.8-120
TPH as Gasoline	506	ug/L	EPA 8260B	4/27/10	94.8	70.0-130
Tert-Butanol	200	ug/L	EPA 8260B	4/27/10	96.2	80-120
Tert-amyl-methyl ether	40.9	ug/L	EPA 8260B	4/27/10	103	78.9-120
Toluene	40.1	ug/L	EPA 8260B	4/27/10	95.9	80-120

SAMPLE RECEIPT CHECKLIST

RECEIVER

RLM
Initials

SRG#: 72745 Date: 042110
 Project ID: 7-Eleven Store #32266
 Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
 Custody seals on shipping container? Intact Broken Not present N/A
 Is COC Signed by Relinquisher? Yes No Dated? Yes No
 Is sampler name legibly indicated on COC? Yes No
 Is analysis or hold requested for all samples Yes No
 Is the turnaround time indicated on COC? Yes No
 Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)
 Temperature °C 4.6 Therm. ID# IR-5 Initial RLM Date/Time 042110/1130 N/A
 Are there custody seals on sample containers? Intact Broken Not present
 Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
 Are there samples matrices other than soil, water, air or carbon? Yes No
 Are any sample containers broken, leaking or damaged? Yes No
 Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
 Are preservatives correct for analyses requested? Yes No N/A
 Are samples within holding time for analyses requested? Yes No
 Are the correct sample containers used for the analyses requested? Yes No
 Is there sufficient sample to perform testing? Yes No
 Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No

Receipt Details

Matrix WA Container type NOA # of containers received 12
 Matrix _____ Container type _____ # of containers received _____
 Matrix _____ Container type _____ # of containers received _____
 Date and Time Sample Put into Temp Storage Date: 042110 Time: 1133

Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
 If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
 Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
 If project ID is listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
 If collection dates are listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
 If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:

No sample time on -03 labels. RLM 042110 1200.

Attachment F

Waste Disposal Documentation

Manifest

TPST Soil Recyclers of CA

Non-Hazardous Soils

Manifest #

Date of Shipment: 1 / 1	Responsible for Payment:	Transporter Truck #: 3941732	Facility #: A07	Given by TPST: 35285	Load #: 10011
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Generator's Name and Billing Address: 7-ELEVEN, INC. P.O. BOX 80741 RANCHO SANTA MARGARITA, CA 92888	Generator's Phone #: 949-480-5200	Generator's US EPA ID No. CAL000287483
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:

Generation Site (Transport from): (name & address) 7-ELEVEN 32288 1339 VASCO RD. LIVERMORE, CA 94651	Site Phone #:	BTEX Levels
	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels

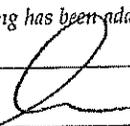
Designated Facility (Transport to): (name & address) TPST SOIL RECYCLERS OF CALIFORNIA 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 882-8001	Facility Permit Numbers
	Person to Contact: DELLENA JEFFREY	
	FAX#: (760) 248-8004	

Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 179827	Transporter's Phone #: 949-480-5200	Transporter's US EPA ID No.: CAR000183913
	Person to Contact: LARRY MOOTHART	Transporter's DOT No.: 460847
	FAX#: 949-480-5210	Customer Account Number with TPST:

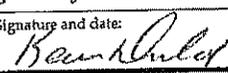
Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	1 dm		37040	37600	640
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					32

List any exception to items listed above: _____ Scale Ticket# 79659

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

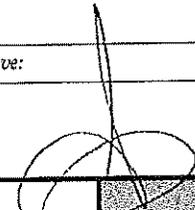
Print or Type Name: Generator Consultant Signature and date:  Month Day Year: 4/23/10
Larry Moothart of BESI on behalf of generator

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Signature and date:  Month Day Year: 4/23/10
Kevin Dunlop

Discrepancies: 32266
583727

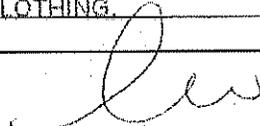
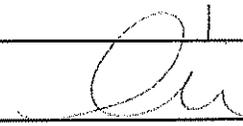
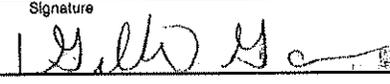
Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above: 5-3-10

Print or Type Name: Signature and date:  4-2-10
D. JEFFREY J. PROVANSAL

Please print or type:

NON-HAZARDOUS WASTE DATA FORM

BESI # 179827

GENERATOR	Generator's Name and Mailing Address 7-ELEVEN, INC. P.O. BOX 80741 RANCHO SANTA MARGARITA, CA 92688		Generator's Site Address (if different than mailing address) 7-ELEVEN 32266 1339 VASCO RD. LIVERMORE, CA 94551																		
	Generator's Phone: 949-460-5200																				
	Container type removed from site: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____		Container type transported to receiving facility: <input type="checkbox"/> Drums <input checked="" type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____																		
	Quantity <u>1</u>		Quantity <u>1</u> Volume <u>55 gallons</u>																		
WASTE DESCRIPTION <u>NON-HAZARDOUS WATER</u>		GENERATING PROCESS <u>WELL PURGING / DECON WATER</u>																			
<table border="1"> <thead> <tr> <th>COMPONENTS OF WASTE</th> <th>PPM</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>1. WATER</td> <td></td> <td>99-100%</td> </tr> <tr> <td>2. TPH</td> <td></td> <td><1%</td> </tr> </tbody> </table>		COMPONENTS OF WASTE	PPM	%	1. WATER		99-100%	2. TPH		<1%	<table border="1"> <thead> <tr> <th>COMPONENTS OF WASTE</th> <th>PPM</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>3. _____</td> <td></td> <td></td> </tr> <tr> <td>4. _____</td> <td></td> <td></td> </tr> </tbody> </table>		COMPONENTS OF WASTE	PPM	%	3. _____			4. _____		
COMPONENTS OF WASTE	PPM	%																			
1. WATER		99-100%																			
2. TPH		<1%																			
COMPONENTS OF WASTE	PPM	%																			
3. _____																					
4. _____																					
Waste Profile _____ PROPERTIES: pH <u>7-10</u> <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____		HANDLING INSTRUCTIONS: <u>WEAR ALL APPROPRIATE PROTECTIVE CLOTHING.</u>																			
Generator Printed/Typed Name <u>Larry Moothart of BESI on behalf of generator</u>		Signature 	Month Day Year <u>14/12/31/10</u>																		
The Generator certifies that the waste as described is 100% non-hazardous																					
TRANSPORTER	Transporter 1 Company Name <u>BELSHIRE</u>		Phone# <u>949-460-5200</u>																		
	Transporter 1 Printed/Typed Name <u>Larry Moothart</u>		Signature 	Month Day Year <u>14/12/31/10</u>																	
	Transporter Acknowledgment of Receipt of Materials																				
	Transporter 2 Company Name <u>NIETO & SONS TRUCKING, INC.</u>		Phone# <u>714-900-6855</u>																		
Transporter 2 Printed/Typed Name <u>GILBERT GARCIA</u>		Signature 	Month Day Year <u>14/12/28/10</u>																		
Transporter Acknowledgment of Receipt of Materials																					
RECEIVING FACILITY	Designated Facility Name and Site Address <u>DEMENNO KERDOON</u> <u>2000 N. ALAMEDA ST.</u> <u>COMPTON, CA 90222</u> <u>32266</u> <u>585492</u>		Phone# <u>310-637-7100</u>																		
	Recognized quantity <u>45</u> with <u>Steve</u> of <u>Nieto & Sons</u> on <u>4/29/10</u>																				
	Printed/Typed Name <u>Matthew Brady</u>		Signature 	Month Day Year <u>14/12/28/10</u>																	
	Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.																				