



Stantec

Stantec Consulting Corporation
3017 Kilgore Road Suite 100
Rancho Cordova CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

October 26, 2011

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

RECEIVED
1:20 pm, Oct 27, 2011
Alameda County
Environmental Health

RE: Enclosed Work Plan for Additional Site Assessment
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551
Stantec Project #:211502037

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 attached assessment 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
Senior Geologic Consultant
Project Manager

Ed Simonis, PG
Senior Geologist



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.



Stantec

Stantec Consulting Corporation
3017 Kilgore Road Suite 100
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October 25, 2011

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

RE: **Work Plan for Additional Site Assessment**
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551
Stantec Project #: 211502037.220.0104

Dear Mr. Wickham:

This work plan was prepared by Stantec Consulting Corporation (Stantec) on behalf of 7-Eleven Inc. (7-Eleven) for the installation of one groundwater monitoring well at 7-Eleven store #32266, located at 1339 Vasco Road in Livermore, California (Figures 1 and 2). This work plan was prepared in response to the Alameda County Environmental Health Services (ACEHS) letter dated August 29, 2011 (Attachment A).

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) were 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, respectively, 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 (W1) from water collected/pooled within the excavated UST basin,
- Two samples (BT-1 & BT-2) collected from 20,000-gallon Baker Tanks storing pumped UST excavation water.

MtBE was detected at 180 micrograms per liter (ug/L) and benzene was reported at 25 ug/L in UST excavation water sample W1 (Table 2). TPHg was detected at 3,400 ug/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 ug/L. MtBE was detected in both samples at concentrations of 340 ug/L (BT-1) to 400 ug/L (BT-2). Based on the results of the water samples collected, an UST Unauthorized Release report was completed 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) during fuel system upgrade activities at the site. In addition, Stantec collected four soil samples from stockpiled excavated backfill material. The four stockpile 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.

In a letter dated November 20, 2009, the ACEHS requested the submittal of a work plan to investigate potential soil and groundwater contamination at the site based on ACEHS review of the historical site data. Stantec submitted a *Work Plan for Additional Soil and Groundwater Assessment* to the ACEHS on February 1, 2010. The work plan was subsequently approved by the ACEHS in a letter dated March 22, 2010.

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 site. 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 below ground surface (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. TPHg, BTEX, 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. In addition, grab-groundwater samples were collected from each boring. Grab-groundwater samples GP-2W and GP-3W reported MtBE concentrations of 2.9 ug/L and 380 ug/L, respectively. TAME was exclusively detected in grab-groundwater sample GP-3W at a concentration of 0.71 ug/L. TPHg, BTEX, DIPE, EtBE

and TBA were not detected at concentrations above the laboratory reporting limits in grab-groundwater samples GP-1 through GP-3. On May 17, 2010, Stantec submitted the results of the assessment activities in a report titled *Additional Soil and Groundwater Assessment* to the ACEHS.

In a letter dated July 14, 2010, the ACEHS requested the submittal of a work plan to further assess the extent of soil and groundwater contamination, the hydraulic gradient, and to identify potential receptors within a radius of 2,000 feet of the subject site. On September 29, 2010, Stantec submitted a *Work Plan for Additional Site Assessment and Results of Detailed Well Survey* to the ACEHS and was approved in a letter dated October 25, 2010.

On February 23 and 24, 2011, Stantec supervised WDC during the installation of three groundwater monitoring wells (MW-1, MW-2, and MW-3) at the site. Seven soil samples were collected for laboratory analysis. MtBE and TBA were reported solely in the soil samples collected from MW-3, with concentrations ranging from 0.0082 mg/kg to 0.33 mg/kg. The analytes BTEX, TPHg, DIPE, EtBE, and TAME were not detected at concentrations above the laboratory reporting limits.

Historical soil and groundwater sample analytical results are summarized in Tables 1 and 2, respectively.

WELL INSTALLATION

Stantec proposes the installation of one groundwater monitoring well (MW-4) to further define the limits of MtBE impacts in soil and groundwater downgradient of the site.

Health and Safety

Stantec will generate 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 will be reviewed and signed by all Stantec personnel and subcontractors prior to performing work at the site.

Utility Clearance and Permitting

Stantec will contact Underground Service Alert (USA) to delineate subsurface piping and/or utilities at the site with surface markings. In addition, a private utility locator service will be contracted to clear the area surrounding the proposed monitoring well location. Based on the location of proposed monitoring well MW-4 west of an underground vault, utility locating may indicate that it is not feasible to install a well at that location. If that is the case, an additional area west of the original proposed location (near the median of Vasco Road) will be cleared. Once the final location of proposed monitoring well MW-4 has been determined, Stantec will obtain the appropriate encroachment permits from the City of Livermore and the appropriate monitoring well installation permits from Zone 7 Water Agency prior to conducting subsurface work at the site.

Soil Boring, Soil Sampling and Analysis

Monitoring well MW-4 will be installed at the location depicted on Figure 2 (unless the results of the utility clearing requires an alternate location as described above) using a truck-mounted

drilling rig equipped with 8-inch-diameter hollow-stem augers. The well will be drilled to a depth of approximately 20 feet bgs (Table 3). Soil samples will be collected from the boring as outlined in Table 4 using a split-spoon sampler lined with 2-inch diameter by 6-inch long brass sample tubes. Downhole drilling equipment will be properly cleaned before drilling the borehole, and sampling equipment will be cleaned between each sampling interval. Each soil sample will be screened for hydrocarbon vapors using a portable photoionization detector (PID). Soils encountered during drilling will be logged using the Unified Soil Classification System by a Stantec field geologist, working under the supervision of a California professional geologist.

Soil samples collected for analysis will be sealed with Teflon[®] sheets and plastic caps, labeled, and placed on ice in an insulated container for delivery to Kiff Analytical (Kiff) located in Davis, California. Soil samples will be analyzed for TPHg, BTEX, MtBE, DIPE, EtBE, TAME and EDB by Environmental Protection Agency (EPA) Method 8260B.

Well Installation and Well Development

The groundwater monitoring well will be constructed using 2-inch diameter polyvinyl chloride (PVC) blank casing and 0.020-inch-slot well screen. The well will be installed to approximately 20 feet bgs and will be screened from 5 to 20 feet bgs (Table 3). The specific screen interval may be adjusted in the field to ensure ten feet of well screen is set into groundwater. A sand filter pack will be placed within the annulus of the well from the bottom of the boring to approximately one foot above the top of the well screen. The annulus of the well will then be sealed with two feet of bentonite on top of the sand, and a portland cement/bentonite slurry to the surface. An 8-inch-diameter, traffic-rated, watertight street box will be installed to protect the well from surface traffic.

Following installation, the well will be developed by surging and bailing using a surge block and bailer to remove fine-grained sediments from the well and sand pack. Periodic measurements of pH, conductivity, and temperature will be made during development to establish baseline values for groundwater. Approximately 10 well casing volumes will be removed from the well during development.

Following installation, the new well will be professionally surveyed to establish horizontal position in relation to pertinent site features and elevation with respect to mean sea level.

GROUNDWATER MONITORING AND SAMPLING

Upon completion of installation, the new well will be monitored and sampled quarterly. Groundwater monitoring and sampling will be conducted to evaluate the groundwater quality by collecting representative samples. Prior to sampling, depth to water in the groundwater monitor well will be measured. Approximately three well volumes of water will be purged. Groundwater samples will then be collected by lowering a clean disposable bailer into the well and collecting a representative sample of the formation water. If the well is slow to recover, the sample will not be collected until the water level has approached 80 percent of its initial level. The groundwater sample will be slowly transferred to laboratory-cleaned sample containers, sealed with Teflon[®]-lined caps, and transferred to cooled storage.

Groundwater samples will be submitted to Kiff for analysis of TPHg, BTEX, MtBE, DIPE, EtBE, TAME and EDB by EPA Method 8260B.

WASTE HANDLING AND STORAGE

All rinsate water and soil cuttings generated during the installation of the new well will be stored in 55-gallon drums at the site pending laboratory analysis for proper disposal.

REPORTING

Stantec will prepare an assessment report summarizing the installation of the new well and data collected as follows:

- Details of field procedures and operations
- Boring log
- Tabulated results of the soil sample analyses
- Updated map showing the location of the new well

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


Amanda S. Magee
Geologic Associate


Damon Brown
Senior Geologic Consultant
Project Manager

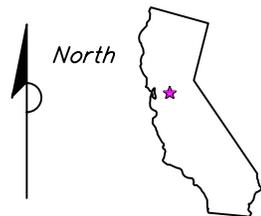
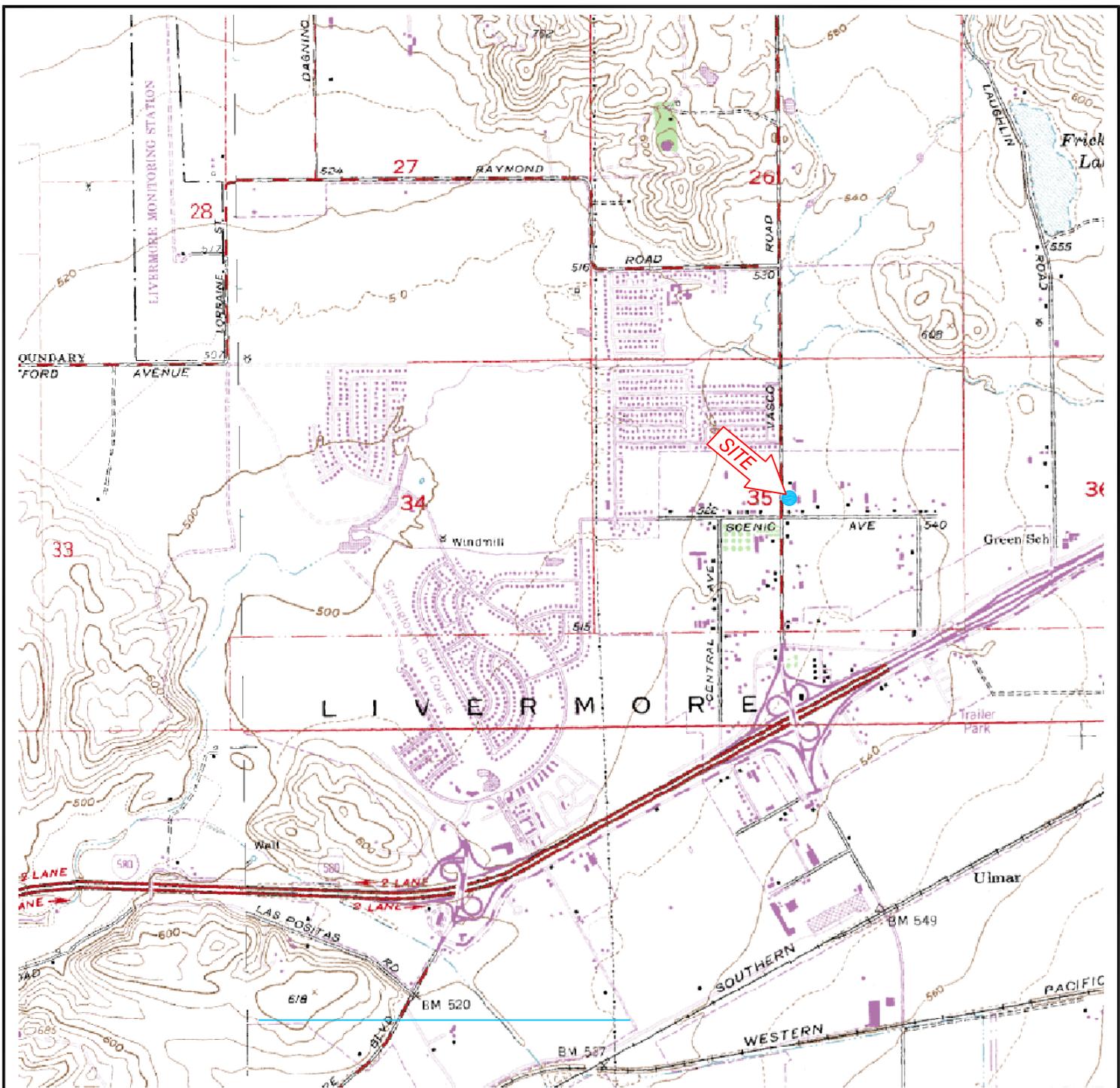

Ed Simonis, PG
Senior Geologist



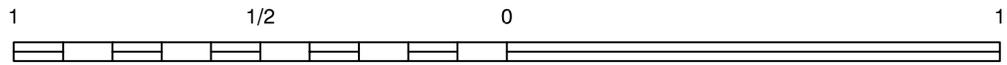
Attachments:
Figures
Tables
Attachment A – Regulatory Correspondence

cc: San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400,
Oakland, CA 94612
Mr. Michael Blau, Michael Blau Trust, PO Box 2768, Danville, CA 94526
Mr. John Wainwright, Stantec, 308 East 4500 South, Suite 100, Murray, Utah 84101

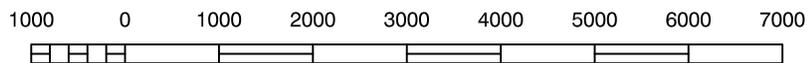
Figures



CALIFORNIA



SCALE (MILES)



SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, LIVERMORE, CALIFORNIA



FOR:



STORE NO. 32266
1339 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA

SITE LOCATION MAP

FIGURE:

1

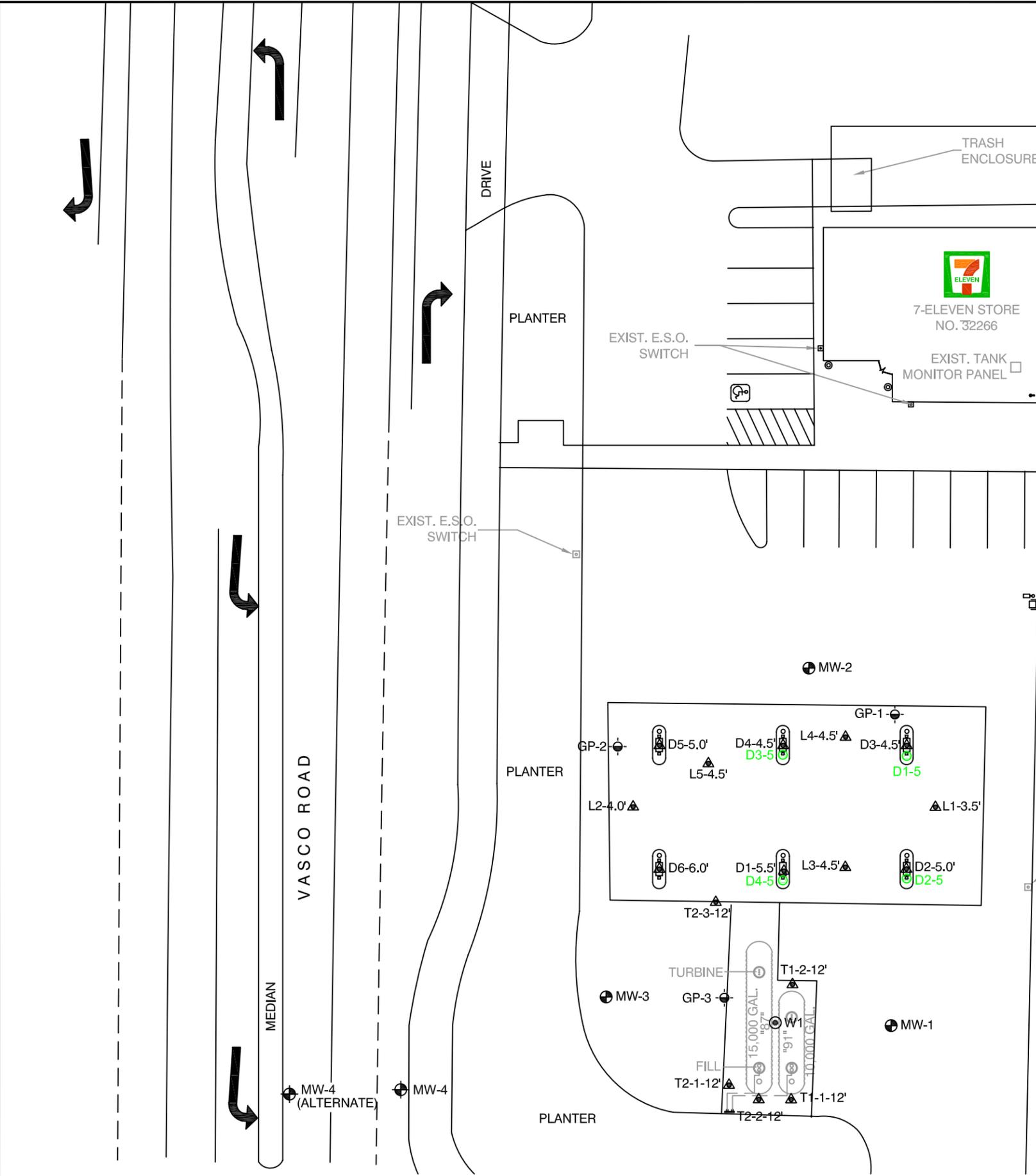
JOB NUMBER:
211502037

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STA

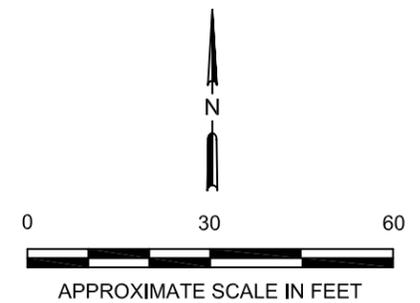
CHECKED BY:
PH

APPROVED BY:
DB

DATE:
03/08/11



- LEGEND:**
- MW-4 PROPOSED GROUNDWATER MONITORING WELL
 - MW-1 GROUNDWATER MONITORING WELL
 - W1 UST EXCAVATION WATER SAMPLE LOCATION
 - GP-1 GEOPROBE SAMPLE LOCATION
 - L5-4.5' 2008 SOIL SAMPLE LOCATION
 - D1-5 2005 SOIL SAMPLE LOCATION



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: STORE NO. 32266 1339 NORTH VASCO ROAD LIVERMORE, CALIFORNIA	SITE PLAN WITH PROPOSED MONITORING WELL LOCATION		FIGURE: 2
	JOB NUMBER: 211502037	DRAWN BY: STA	CHECKED BY: AM	APPROVED BY: DB

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	
Monitoring Wells																		
MW-1-10	02/23/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--		
MW-1-20	02/23/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--		
MW-2-10	02/24/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--		
MW-2-20	02/24/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--		
MW-3-10	02/23/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.33	<0.0050	<0.0050	<0.0050	0.0082	--	--	--	--	J	
MW-3-20	02/23/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.22	<0.0050	<0.0050	<0.0050	0.053	--	--	--	--	J	
MW-3-25	02/23/11	25	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.084	<0.0050	<0.0050	<0.0050	0.010	--	--	--	--	J	
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
SP1(ABCD)	02/24/11	---	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	--	--	--	--	--	--	--	--	7.6	

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. (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	TPHg (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	EtOH (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
UST Excavation Groundwater Sample																			
W1	01/28/05	25	290	62	520	3,400	180	15	<1.5	<1.5	<1.5	<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	<5.0	<0.50	<0.50	<0.50	--	--	--		--	--	--	--
GP-2W	04/20/10	<0.50	<0.50	<0.50	<0.50	<50	2.9	<5.0	<0.50	<0.50	<0.50	--	--	--		--	--	--	--
GP-3W	04/20/10	<0.50	<0.50	<0.50	<0.50	<50	380	<5.0	<0.50	<0.50	0.71	--	--	--		--	--	--	--
Monitoring Well Samples																			
MW-1 530.22	03/16/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	--		2.04	8.07	0.00	522.15
	05/26/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	--	a	0.35	7.88	0.00	522.34
	08/09/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	--	a	0.71	8.30	0.00	521.92
MW-2 530.55	03/16/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	--		1.63	8.31	0.00	522.24
	05/26/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	--		0.46	8.37	0.00	522.18
	08/09/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	--	a	0.60	8.82	0.00	521.73
MW-3 530.74	03/16/11	<0.50	<0.50	<0.50	<0.50	<50	5,600	170	<0.50	<0.50	10	--	--	--		2.54	9.11	0.00	521.63
	05/26/11	<0.50	<0.50	<0.50	<0.50	<50	3,200	180	<0.50	<0.50	5.4	--	--	--		0.32	9.15	0.00	521.59
	08/09/11	<0.50	<0.50	<0.50	<0.50	<50	1,700	78	<0.50	<0.50	2.8	--	--	--		0.42	9.36	0.00	521.38

Explanation:

BTEX, TPHg, MtBE, DIPE, EtBE, TAME, and TBA by 8260B
 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
 TOC = Top of casing elevation in feet above mean sea level
 UST = Underground Storage Tank

ug/L = micrograms per Liter or parts-per-billion
 mg/L = milligrams per liter
 < = Not detected above laboratory reporting limit
 -- = Not sampled/not measured

Notes

a = Matrix Spike/Matrix Spike Duplicate for the analyte MtBE were affected by the analyte concentrations already present in the un-spike sample.

**Table 3
Soil Boring Details**

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

Well I.D.	Drill Date	Boring Depth (feet bgs)	Well Diameter (inches)	Screen		Screen Length (feet)	Comments
				Top (feet bgs)	Bottom (feet bgs)		
Soil Borings							
GP-1	04/20/10	20	--	--	--	--	
GP-2	04/20/10	25	--	--	--	--	
GP-3	04/20/10	30	--	--	--	--	
Monitoring Wells							
MW-1	02/23/11	20	2	5	20	15	
MW-2	02/24/11	20	2	5	20	15	
MW-3	02/23/11	25	2	5	20	15	
MW-4	Proposed	20	2	5	20	15	Proposed off-site monitoring well
Explanation							
bgs = Below ground surface -- = Data Not Available/Not Applicable							

**Table 4
Proposed Soil Sample Plan**

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

Soil Sample Depth (feet bgs)		Soil Sample Interval
		MW-4
5		x
10		1
15		x
20		1
(Soil Samples)		Method
TPHg, MtBE and BTEX		EPA 8260
		2

Explanation

bgs= Depth in feet Below Surface Grade

MW-4 = Proposed Monitoring Well

1 = soil sample location proposed for analyses

x = soil sample collection point, with no analyses proposed

TPHg = Total Petroleum Hydrocarbons as Gasoline

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes

MtBE = methyl tertiary butyl ether

Attachment A

Regulatory Correspondence



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

August 29, 2011

Mr. Jose Rios
7-Eleven, Inc.
One Arts Plaza
1722 Routh Street, Suite 1000
Dallas, TX 75201
(Sent via E-mail to: jose.rios@7-11.com)

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 including the most recent report entitled, "*Quarterly Groundwater Monitoring Report, Second Quarter 2011*," dated July 8, 2011 (Monitoring Report). The Monitoring Report, which was prepared by Stantec Consulting Corporation on behalf of 7-Eleven, Inc., presents groundwater sampling results from three groundwater monitoring wells sampled on May 26, 2011. Well MW-3 is located downgradient from the UST area. The groundwater flow direction at the site has consistently been to the west southwest. MTBE was detected in groundwater from well MW-3 at a concentration of 3,200 micrograms per liter ($\mu\text{g/L}$). During the previous sampling event on March 16, 2011, MTBE was detected in groundwater from well MW-3 at a concentration of 5,600 $\mu\text{g/L}$.

Two water supply wells are located approximately 300 feet west of the site. Plume delineation is necessary to assess whether the plume extends to the water supply wells and could potentially impact the wells. We request that you submit a Work Plan that proposes plume delineation no later than October 25, 2011. Groundwater monitoring is to be continued on a quarterly basis for the three existing monitoring wells.

TECHNICAL REPORT REQUEST

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

- **October 14, 2011** – Quarterly Groundwater Monitoring Report – Third Quarter 2011
- **October 25, 2011** – Work Plan
- **January 15, 2012** – Quarterly Groundwater Monitoring Report – Fourth Quarter 2011

Mr. Jose Rios
Mr. Michael Blau
RO0002999
August 29, 2011
Page 2

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>. If your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

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

Attachment: Responsible Party(ies) Legal Requirements/Obligations

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 100, Rancho Cordova, CA 95670 (Sent via E-mail to: damon.brown@stantec.com)

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

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

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

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to deh.loptoxic@acgov.org
 - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.