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

July 18, 2013

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

RE: **Enclosed Additional Site Assessment Report**
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551
Stantec Project #:185750084.200.0502

Dear Mr. Wickham:

Stantec Consulting Services Inc. 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 Services Inc.**

Danielle Manning
Associate Scientist
Project Manager

Amanda S. Magee, P.G.
Associate Geologist

PROFESSIONAL GEOLOGIST
AMANDA MAGEE
No. 8908
exp 9-30-14
STATE OF CALIFORNIA

# LIMITED AUTHORIZATION

KNOW ALL MEN BY THESE PRESENTS:

That 7-ELEVEN, INC. ("7-Eleven"), a Texas corporation, acting by and through Doug Rosencrans, Vice President, does hereby nominate, constitute and appoint STANTEC CONSULTING SERVICES INC. a Delaware corporation formerly known as Stantec Consulting Corporation, 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 Amended and Restated Agreement by and between 7-Eleven and Agent dated as of January 1, 2010 (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, except as otherwise provided therein, or may be terminated at any time for any reason by 7-Eleven.

APPROVED AND EXECUTED this 10th day of January, 2012, to be effective as of the date hereof.

7-ELEVEN, INC.

ATTEST:

Assistant Secretary

By:
Name: Doug Rosencrans
Title: Vice President

STATE OF TEXAS §
§
COUNTY OF DALLAS §

BEFORE ME, the undersigned, a Notary Public in and for the County and State aforesaid, on this day personally appeared Doug Rosencrans and Steven R. Seldowitz, Vice President and Assistant Secretary, respectively, of 7-Eleven, Inc., known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that the same was the act of the said corporation, a Texas corporation, and that they executed the same as the act of such corporation for the purposes and consideration therein expressed and in the capacities therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 10th day of January, 2012.

Karen Pennell
NOTARY PUBLIC

My Commission Expires:
5-1-2013

# 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 Consulting Services Inc.**
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July 18, 2013

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

RE: **Additional Site Assessment Report**
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551
Stantec Project #: 185750084

Dear Mr. Wickham:

This report was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of 7-Eleven Inc. (7-Eleven) to document the installation of one groundwater monitoring well (MW-5) at 7-Eleven store #32266, located at 1339 North Vasco Road in Livermore, California (Figures 1 and 2). This work was performed in accordance with Stantec's April 11, 2013 *Work Plan for Monitoring Well Installation,* and the April 22, 2013 approval letter from the Alameda County Environmental Health Services (ACEHS) (Attachment A).

## INTRODUCTION

The site is currently operating as a 7-Eleven convenience store and gasoline station with one 10,000-gallon and one 15,000-gallon underground storage tank (UST) (Figure 2). Stantec supervised the installation of one offsite groundwater monitoring well to further define the limits of methyl tertiary butyl ether (MtBE) impacts in soil and groundwater offsite, and to further define the site-specific hydraulic gradient.

The work summarized in this report includes:

1. Obtaining permits.
2. Preparing a site-specific *Health and Safety Plan*.
3. Clearing one boring location using Underground Service Alert (USA) and a private utility locator.
4. Installation and development of one groundwater monitoring well.
5. Submitting soil samples for laboratory analysis.

## SITE BACKGROUND

In January 2005, two single-walled steel, fiberglass-jacketed USTs (one 10,000-gallon and one 15,000-gallon) were replaced with new double-walled fiberglass USTs. A total of 27 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 tert-butyl alcohol (TBA) and MtBE detected were 2.6 milligrams per kilogram (mg/kg) and 2.4 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 (µg/L) and benzene was reported at 25 µg/L in UST excavation water sample W1 (Table 2). TPHg was detected at 3,400 µg/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 µg/L. MtBE was detected in both samples at concentrations of 340 µg/L (BT-1) and 400 µg/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 (LPFD) and the California Regional Water Quality Control Board (CRWQCB).

On December 4, 2008, a Stantec Consulting Corporation (now Stantec Consulting Services Inc. [Stantec]) 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 D2-5.0. Soil sample D2-5.0 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 D1-5.0, at concentrations of 0.024 mg/kg and 0.0076 mg/kg, respectively. Di-isopropyl ether (DIPE), ethyl tert 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 a 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 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. 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.

Between February 23 and 24, 2010, Stantec supervised the installation of three groundwater monitoring wells (MW-1, MW-2, and MW-3). On March 25, 2011, Stantec submitted an *Additional Site Assessment* Report to the ACEHS. Soil samples collected from MW-1 and MW-2 did not contain petroleum hydrocarbon concentrations above laboratory reporting limits. MtBE and TBA were reported at concentrations ranging from 0.0082 mg/kg to 0.33 mg/kg in soil samples collected from MW-3.

In a letter dated August 29, 2011, the ACEHS requested the submittal of a work plan for plume delineation to assess whether the plume extends to the water supply of the two wells located approximately 300 feet west of the site. On October 25, 2011, Stantec submitted the *Work Plan for Additional Assessment.* In a letter dated November 21, 2011, the ACEHS requested a revised work plan to address their technical comments. The *Revised Work Plan for Additional Assessment* was submitted on March 5, 2012. The revised work plan was approved by the ACEHS on March 26, 2012.

Between July 10 and 12, 2012, Stantec supervised the advancement of four soil borings (GP-4 through GP-7). On July 20, 2012, Stantec submitted an *Additional Site Assessment Report* to

the ACEHS. Soil samples collected from soil borings GP-4 through GP-7 did not contain petroleum hydrocarbon concentrations above laboratory reporting limits, with the exception of MtBE in the samples collected from GP-5, which was detected at a maximum concentration of 0.056 mg/kg. TPHg and MtBE were detected in grab groundwater samples GP-4W and GP-5W at maximum concentrations of 95 µg/L and 350 µg/L, respectively. The report also summarized Stantec's research regarding the two wells identified 300 feet west of the site; it was concluded that the two wells identified in the well survey are not currently used for water supply.

On July 25, 2012, the ACEHS concurred with Stantec's recommendation to install two additional monitoring wells at the locations indicated in the July 20, 2012 *Additional Site Assessment Report*.

Between September 4 and 7, 2012, Stantec supervised the installation of one offsite groundwater monitoring well (MW-4). Proposed groundwater monitoring well MW-5 was not installed at that time due to the presence of marked and unmarked utilities in the permitted area of the City of Livermore right-of-way. On October 5, 2012, Stantec submitted an *Additional Site Assessment Report* documenting these activities.

In a letter dated November 6, 2012, the ACEHS requested the submittal of a work plan for the installation of monitoring well MW-5 after the first quarter 2013 groundwater monitoring and sampling event. On April 11, 2013, Stantec submitted a *Work Plan for Monitoring Well Installation*. The ACEHS approved this work plan in a letter dated April 22, 2013.

A summary of historical soil and groundwater analytical data is presented in Tables 1 and 2, respectively.

## SOIL BORING, SAMPLING, AND WELL INSTALLATION

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

A Groundwater monitoring well installation permit was obtained from Zone 7 Water Agency prior to conducting subsurface work at the site. In addition, Stantec obtained an encroachment permit from the City of Livermore Community Development Department to install the monitoring well in the North Vasco Road right-of-way. Copies of permits are included in Attachment B.

Stantec prepared a site-specific *Health and Safety Plan* (HASP) for the well installation and sampling activities at the site, 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, Underground Service Alert (USA) was contacted to delineate subsurface piping and/or utilities at the site with surface markings. In addition, a private utility locator service was contracted to clear the area surrounding the proposed monitoring well location.

***Soil Boring and Well Installation***
On June 17 and 18, 2013, Stantec supervised as National Exploration Wells and Pumps (National) installed one groundwater monitoring well (MW-5) at the location shown on Figure 2. Prior to drilling, an air knife and vacuum truck was used to clear the location to five feet bgs.

Below five feet bgs, well MW-5 was drilled to a depth of 20.25 feet bgs, using eight-inch diameter hollow-stem augers (HSA) for the well installation. Downhole drilling equipment was properly cleaned before drilling each borehole.

Groundwater monitoring well MW-5 was constructed using two-inch diameter polyvinyl chloride (PVC) blank casing and 0.020-inch-slot well screen. The well was installed to 20.25 feet bgs and was screened from five to 20.25 feet bgs (Table 3). A number three sand filter pack was placed within the annulus of each well, from 20.25 feet bgs to approximately one foot above the top of the well screen. The annulus of the well was sealed with two feet of bentonite on top of the sand, and a portland cement/bentonite slurry to the surface. An eight-inch-diameter, traffic-rated, water-tight street box was installed to protect the well from surface traffic. Well construction details are summarized in Table 3. Field notes are included in Attachment C.

***Soil Sampling***
Soil samples were collected continuously from MW-5 using a hollow stem auger (HSA) and a split spoon sampling device. Sampling equipment was properly 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 Professional Geologist.

Soil samples were sealed with Teflon® sheets and plastic caps, labeled, and placed on ice in an insulated container for delivery to Kiff Analytical LLC (Kiff), a California State certified laboratory located in Davis, California. No visible staining, odor, or elevated PID readings were observed in the soil samples; as such, soil samples collected at approximate five-foot intervals were analyzed for TPHg, BTEX, and MtBE by Environmental Protection Agency (EPA) Method 8260B.

***Soil Stratigraphy and Geology***
Based on the description of the soil samples collected from the new monitoring well MW-5, the soil stratigraphy encountered consists mainly of clay from ground surface to 20.25 feet bgs, the total depth of exploration. A copy of the soil boring log is included in Attachment D.

***Well Development***
On July 16, 2013, Stantec supervised National during the development of monitoring well MW-5 by surging and bailing groundwater from the wells using a surge block and bailer to remove fine-grained sediments from the well and sand pack. Approximately ten well casing volumes of groundwater was purged from the well until potential hydrogen (pH), conductivity, and temperature measurements stabilized. Purge water from the well development and sampling was stored in Department of Transportation (DOT) approved, properly labeled, 55-gallon drums on site, pending offsite disposal. Field notes are included in Attachment C.

***Waste Disposal***

Soil generated during drilling was temporarily stored on site in DOT approved, properly labeled, 55-gallon drums, pending profiling and disposal. A four-point composite soil sample, SP1 (A,B,C,D), was collected from the soil drums and analyzed for TPHg, BTEX, and MtBE by EPA Method 8260B, and total lead by EPA Method 6010B (Table 1). A copy of the certified laboratory analytical reports and chain-of-custody documentation are included in Attachment E. A copy of the waste disposal documentation is included in Attachment F.

## RESULTS OF SAMPLING ANALYSIS

***Soil Sample Analytical Results***

A total of four soil samples were collected from MW-5 for laboratory analysis. The analytes BTEX, TPHg, and MtBE were not detected at concentrations above the laboratory reporting limits in any of the soil samples collected during this investigation. A copy of the certified laboratory analytical reports and chain-of-custody documentation are included in Attachment E.

## SUMMARY AND CONCLUSIONS

One groundwater monitoring well MW-5 was installed between June 17 and 18, 2013. The analytes BTEX, TPHg and MtBE were not detected at concentrations above the laboratory reporting limits in any of the soil samples collected during this investigation. Stantec will commence quarterly groundwater monitoring and sampling of the newly installed well during the third quarter of 2013.

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.

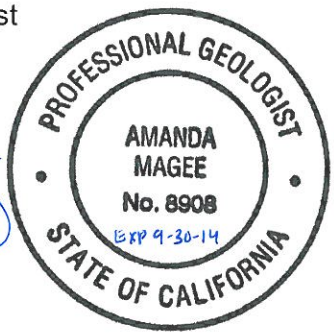
Should you have any questions regarding this site, please contact the undersigned at (916) 861-0400.

Sincerely,
**Stantec Consulting Services Inc.**

Colin Ryan
Geologic Project Specialist

Danielle Manning
Associate Scientist
Project Manager

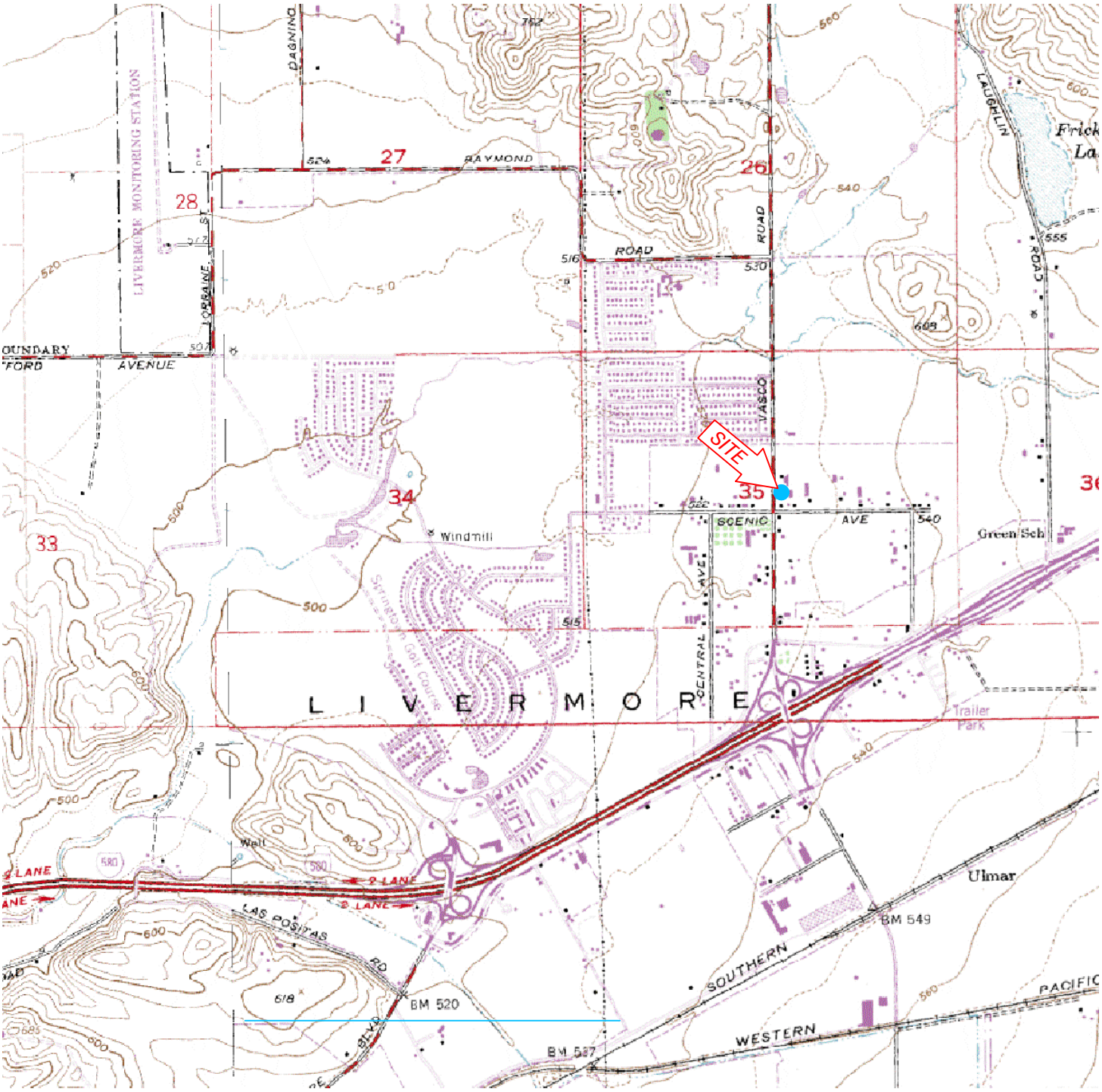
Amanda S. Magee, P.G.
Associate Geologist




**ATTACHMENTS**
Figures
Tables
Attachment A – Regulatory Correspondence
Attachment B – Well Installation Permits
Attachment C – Field Notes
Attachment D – Soil Boring Log
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
Mr. Michael Blau, Michael M. Blau Trust, P.O. Box 2768, Danville, California 94526

# Figures




REFERENCE: USGS 7.5 MINUTE QUADRANGLE, LIVERMORE, CALIFORNIA

Stantec

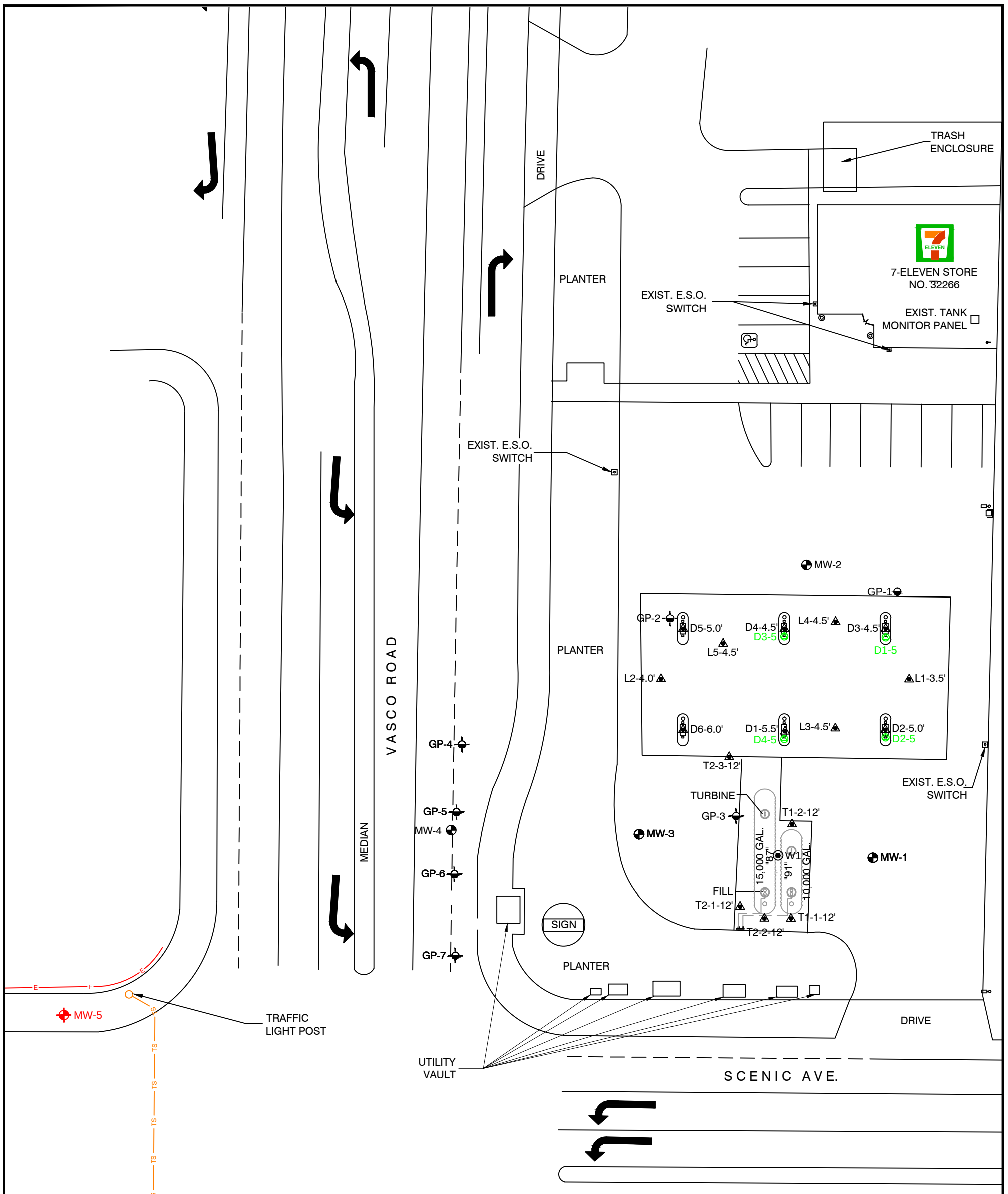
FOR: 7-ELEVEN
STORE NO. 32266
1339 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA

**SITE LOCATION MAP**

FIGURE: **1**

| JOB NUMBER: | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
|---|---|---|---|---|
| 185750084 | STA | DL | ASM | 03/06/13 |

FILEPATH:M:\7-Eleven\32266\FIG 1-SITE LOCATION MAP.dwg | Layout Tab: Layout1 | Drafter: saguinaldo | Apr 11, 2013 at 10:42




LEGEND:

| | |
|---|---|
| MW-5 | PROPOSED GROUNDWATER MONITORING WELL |
| MW-1 | GROUNDWATER MONITORING WELL |
| W1 | UST EXCAVATION WATER SAMPLE LOCATION |
| GP-1 | GEOPROBE SAMPLE LOCATION |
| L5-4.5' | 2005 SOIL SAMPLE LOCATION |
| D1-5 | 2008 SOIL SAMPLE LOCATION |
| E | ELECTRIC LINE |
| TS | TRAFFIC SIGNAL LOOP |



Stantec

FOR: 7-ELEVEN
STORE NO. 32266
1339 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA

**SITE PLAN**

FIGURE: **2**

| JOB NUMBER: | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
|---|---|---|---|---|
| 185750084 | STA | CR | ASM | 05/29/13 |

FILEPATH:M:\7-Eleven\32266\FIG 2_7-11_32266_SITE PLAN_05-29-2013.dwg | Layout Tab: 11x17L | Drafter: saguinaldo | May 30, 2013 at 10:53

# Tables

**TABLE 1**
**Historical Soil Sample Analytical Results**

7-Eleven Store #32266
1339 North 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** | |
| D1-5.0 | 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 |
| D3-5.0 | 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 |
| D4-5.0 | 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 North 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-4-5 | 07/10/12 | 5 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-4-10 | 07/10/12 | 10 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-4-15 | 07/10/12 | 15 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-4-20 | 07/10/12 | 20 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-4-25 | 07/10/12 | 25 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-5-5 | 07/10/12 | 5 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-5-10 | 07/10/12 | 10 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-5-15 | 07/10/12 | 15 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | **0.024** | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-5-20 | 07/10/12 | 20 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | **0.056** | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-5-25 | 07/10/12 | 25 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | **0.024** | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-6-5 | 07/11/12 | 5 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-6-10 | 07/11/12 | 10 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-6-15 | 07/11/12 | 15 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-6-20 | 07/11/12 | 20 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-6-25 | 07/11/12 | 25 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-7-5 | 07/12/12 | 5 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-7-10 | 07/12/12 | 10 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-7-15 | 07/12/12 | 15 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| GP-7-20 | 07/12/12 | 20 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| **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** |
| MW-4@10' | 09/07/12 | 10 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4@15' | 09/07/12 | 15 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | **0.010** | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4@19.5 | 09/07/12 | 19.5 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | **0.016** | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5-5 | 09/12/12 | 5.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | g |
| MW5-5 | 06/18/13 | 5.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW5-8 | 06/18/13 | 8.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW5-14 | 06/18/13 | 14.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW5-18.5 | 06/18/13 | 18.5 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | -- | |

**TABLE 1**
**Historical Soil Sample Analytical Results**

7-Eleven Store #32266
1339 North 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 |
| SP1(ABCD) | 02/24/11 | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | **7.6** | |
| SP1(ABCD) | 09/07/12 | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | **6.1** | f |
| SP1 (A,B,C,D) | 06/18/13 | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | -- | -- | -- | -- | -- | -- | -- | **6.5** | |

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 tertiary butyl ether
DIPE = Diisopropyl ether
EtBE = Ethyl tert-butyl ether
TAME = Tertiary-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 MtBE 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.
f = Matrix Spike/Matrix Spike Duplicate results for the analyte ethylbenzene were affected by the analyte concentrations already present in the un-spiked sample.
g = proposed well not installed at that time

**TABLE 2**
**Historical Water and/or Groundwater Sample Analytical Results**

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

| Sample I.D. (TOC) | Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl Benzene (µg/L) | Total Xylenes (µg/L) | TPHg (µg/L) | MtBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | EtBE (µg/L) | TAME (µg/L) | EDB (µg/L) | 1-2 DCA (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** | -- | -- | -- | | -- | -- | -- | -- |
| GP-4W | 07/10/12 | <0.50 | <0.50 | <0.50 | <0.50 | **75** | **13** | -- | -- | -- | -- | -- | -- | -- | c | -- | -- | -- | -- |
| GP-5W | 07/11/12 | <0.50 | <0.50 | <0.50 | <0.50 | **95** | **350** | -- | -- | -- | -- | -- | -- | -- | | -- | -- | -- | -- |
| GP-7W | 07/12/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | -- | -- | -- | -- | -- | -- | -- | | -- | -- | -- | -- |
| **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 |
| | 10/17/11 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.5 | 8.27 | 0.00 | 521.95 |
| | 01/20/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | a | 0.8 | 8.51 | 0.00 | 521.71 |
| | 04/05/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.44 | 8.22 | 0.00 | 522.00 |
| | 07/24/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.28 | 8.36 | 0.00 | 521.86 |
| | 09/21/12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | -- | 8.40 | 0.00 | 521.82 |
| | 10/25/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.73 | 8.46 | 0.00 | 521.76 |
| | 01/16/13 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.92 | 8.34 | 0.00 | 521.88 |
| | 04/11/13 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 1.08 | 8.28 | 0.00 | 521.94 |
| **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 |
| | 10/17/11 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 1.2 | 8.74 | 0.00 | 521.81 |
| | 01/20/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | a | 0.7 | 8.96 | 0.00 | 521.59 |
| | 04/05/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.51 | 8.88 | 0.00 | 521.67 |
| | 07/24/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.30 | 9.04 | 0.00 | 521.51 |
| | 09/21/12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | -- | 8.83 | 0.00 | 521.72 |
| | 10/25/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.76 | 8.74 | 0.00 | 521.81 |
| | 01/16/13 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.78 | 8.71 | 0.00 | 521.84 |
| | 04/11/13 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 1.04 | 8.78 | 0.00 | 521.77 |

**TABLE 2**
**Historical Water and/or Groundwater Sample Analytical Results**

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

| Sample I.D. (TOC) | Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl Benzene (µg/L) | Total Xylenes (µg/L) | TPHg (µg/L) | MtBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | EtBE (µg/L) | TAME (µg/L) | EDB (µg/L) | 1-2 DCA (µg/L) | EtOH (µg/L) | Notes | Dissolved Oxygen (mg/L) | DTW (feet) | SPT (feet) | WTE (feet) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| | 10/17/11 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | **1,900** | **85** | <0.50 | <0.50 | **2.9** | -- | -- | -- | b | 0.6 | 9.37 | 0.00 | 521.37 |
| | 01/20/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | **1,100** | **58** | <0.50 | <0.50 | **2.2** | -- | -- | -- | | 0.5 | 9.57 | 0.00 | 521.17 |
| | 04/05/12 | <2.5 | <2.5 | <2.5 | <2.5 | <250 | **2,000** | **57** | <2.5 | <2.5 | **3.3** | -- | -- | -- | b | 0.47 | 9.44 | 0.00 | 521.30 |
| | 07/24/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | **2,000** | **50** | <0.50 | <0.50 | **3.9** | -- | -- | -- | b | 0.36 | 9.65 | 0.00 | 521.09 |
| | 09/21/12 | <1.5 | <1.5 | <1.5 | <1.5 | <150 | **760** | **32** | <1.5 | <1.5 | **1.5** | -- | -- | -- | b | -- | 9.55 | 0.00 | 521.19 |
| | 10/25/12 | <1.5 | <1.5 | <1.5 | <1.5 | <150 | **670** | **25** | <1.5 | <1.5 | <1.5 | -- | -- | -- | b | 0.75 | 9.50 | 0.00 | 521.24 |
| | 01/16/13 | <1.5 | <1.5 | <1.5 | <1.5 | <150 | **1,200** | **30** | <1.5 | <1.5 | **2.4** | -- | -- | -- | b | 0.73 | 9.23 | 0.00 | 521.51 |
| | 04/11/13 | <2.5 | <2.5 | <2.5 | <2.5 | <250 | **1,700** | **27** | <2.5 | <2.5 | <2.5 | -- | -- | -- | b | 0.81 | 9.44 | 0.00 | 521.30 |
| **MW-4** | | | | | | | | | | | | | | | | | | | |
| 529.93 | 09/21/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | **400** | <5.0 | <0.50 | <0.50 | **0.69** | -- | -- | -- | | -- | 9.01 | 0.00 | 520.92 |
| | 10/25/12 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | **270** | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.79 | 9.01 | 0.00 | 520.92 |
| | 01/16/13 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | **47** | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 0.87 | 8.86 | 0.00 | 521.07 |
| | 04/11/13 | <0.50 | <0.50 | <0.50 | <0.50 | <50 | **290** | <5.0 | <0.50 | <0.50 | <0.50 | -- | -- | -- | | 1.07 | 8.80 | 0.00 | 521.13 |

Explanation:

BTEX, TPHg, MtBE, DIPE, ETBE, TAME, and TBA by 8260B
TPHg = Total petroleum hydrocarbons as gasoline
MtBE = Methyl tertiary butyl ether
DIPE = Diisopropyl ether
EtBE = Ethyl tert-butyl ether
TAME = Tertiary-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.
b = Tert-Butanol (Tert-butyl alcohol) results may be biased slightly high. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples. that contain MtBE/Tert-Butanol in rations of over 20:1.
c = Analyzed by EPA Method 8260B using bottles that contained headspace bubbles greater than 1/4 inch in diameter.

**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 Top (feet bgs) | Screen Bottom (feet bgs) | Screen Length (feet) | Comments |
|---|---|---|---|---|---|---|---|
| **Soil Borings** | | | | | | | |
| GP-1 | 04/20/10 | 20 | -- | -- | -- | -- | |
| GP-2 | 04/20/10 | 25 | -- | -- | -- | -- | |
| GP-3 | 04/20/10 | 30 | -- | -- | -- | -- | |
| GP-4 | 07/10/12 | 25 | -- | -- | -- | -- | Off-site soil boring |
| GP-5 | 07/10/12 | 25 | -- | -- | -- | -- | Off-site soil boring |
| GP-6 | 07/11/12 | 25 | -- | -- | -- | -- | Off-site soil boring |
| GP-7 | 07/12/12 | 25 | -- | -- | -- | -- | Off-site soil boring |
| **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 | 09/07/12 | 20 | 2 | 5 | 20 | 15 | Off-site monitoring well |
| MW-5 | 06/18/13 | 20.25 | 2 | 5 | 20 | 15 | Off-site monitoring well |

**Explanation**
bgs = Below ground surface
-- = Data Not Available/Not Applicable

# Attachment A
# Regulatory Correspondence

ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
ALEX BRISCOE, Director

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

April 22, 2013

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: Conditional Work Plan Approval for 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 documents entitled, "*Work Plan for Monitoring Well Installation,"* dated April 11, 2013 (Work Plan) and "*Quarterly Groundwater Monitoring Report – First Quarter 2013,"* dated March 15, 2013 (Monitoring Report). The Work Plan, which was prepared on your behalf by Stantec Consulting Services, Inc., presents plans for installation of off-site monitoring well MW-5.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are addressed and incorporated during the proposed investigation. Submittal of a revised Work Plan 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. **Monitoring Well Soil Sampling.** We request that soil samples be collected continuously from the monitoring well boring for logging and screening purposes. Field screening is to be conducted using visual observations, odor, and measurements using a field photoionization detector (PID) fitted with an appropriate lamp and calibrated for the chemicals of concern. Soil samples are to be collected for laboratory analysis from any zones where visible staining, odor, or elevated PID readings are observed. If no visible staining, odor, or elevated PID readings are observed, the collection of soil samples at the proposed fixed interval of 5 feet is acceptable. Please present the results in the Well Installation Report requested below.

2. **Groundwater Monitoring.** We concur with the proposal to incorporate sampling of proposed well MW-5 into the groundwater monitoring program for the site. During the first groundwater monitoring event for well MW-5, we request that groundwater from well MW-5 and the other existing monitoring wells be analyzed for total petroleum hydrocarbons, BTEX, MTBE, TBA, ethanol, ethylene dibromide, and 1,2-dichloroethane. If ethylene dibromide and 1,2-dichloroethane are not detected at concentrations exceeding Environmental Screening Levels for a Drinking Water Resource (0.05 µg/L for ethylene dibromide and 0.5 µg/L for 1,2-dichloroethane), groundwater analyses for ethylene dibromide and 1,2-dichloroethane may be discontinued during future groundwater monitoring events.

**TECHNICAL REPORT REQUEST**

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **July 22, 2013** – Well Installation Report
  File to be named: SWI_R_yyyy-mm-dd RO2999

- **October 11, 2013** – Groundwater Monitoring Report – Third Quarter 2013
  File to be named: GWM_R_yyyy-mm-dd RO2999

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.

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**.** As 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*)

Colleen Winey (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (*Sent via E-mail to: cwiney@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/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. 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, 7835, 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, late 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 SCP) | **REVISION DATE:** July 25, 2012 |
|---|---|
| | **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 (petroleum UST and SCP) 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 .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 ://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 .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.

# Attachment B
# Well Installation 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**

LOCATION OF PROJECT Continued Environmental Investigation for 7-Eleven Store #32266 at 1339 North Vasco Road, Livermore, CA

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

CLIENT
Name 7-Eleven, Inc., Jose Rios, Manager, Environmental Services
Address P.O. Box 711 Phone (972) 828-6592
City Dallas, TX Zip 75221-0711

APPLICANT
Name Debbie Lichtenberger for Stantec Consulting Services, Inc.
Email deborah.lichtenberger@stantec.com Fax 916-861-0430
Address 3017 Kilgore Road, Suite 100 Phone 916-384-0724
City Rancho Cordova, CA Zip 95670
Stantec Field Coordinator: Amanda Magee 916-384-0743

TYPE OF PROJECT:

| | | | |
|---|---|---|---|
| Well Construction | __ | Geotechnical Investigation | __ |
| Well Destruction | __ | Contamination Investigation | X |
| Cathodic Protection | __ | Other _____ | __ |

PROPOSED WELL USE:

| | | | |
|---|---|---|---|
| Domestic | __ | Irrigation | __ |
| Municipal | __ | Remediation | __ |
| Industrial | __ | Groundwater Monitoring | X |
| Dewatering | __ | Other _____ | __ |

DRILLING METHOD:

| | | | | | |
|---|---|---|---|---|---|
| Mud Rotary | __ | Air Rotary | __ | Hollow Stem Auger | X |
| Cable Tool | __ | Direct Push | X | Other _____ | __ |

DRILLING COMPANY National Exploration, Wells & Pumps
14110 Cacheville Road, Yolo, CA 95695 530-662-2829
DRILLER'S LICENSE NO. 953646

WELL SPECIFICATIONS:
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 20 ft.
Surface Seal Depth 5 ft. Number MW-5

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

ESTIMATED STARTING DATE after May 15, 2013
ESTIMATED COMPLETION DATE before June 29, 2013

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

APPLICANT'S SIGNATURE D Lichtenberger Date 05/06/13

ATTACH SITE PLAN OR SKETCH

**FOR OFFICE USE**

PERMIT NUMBER 2013057
WELL NUMBER 2S/2E-35G14
APN 99B-8122-001-00

### PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(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.

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.

(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.

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.

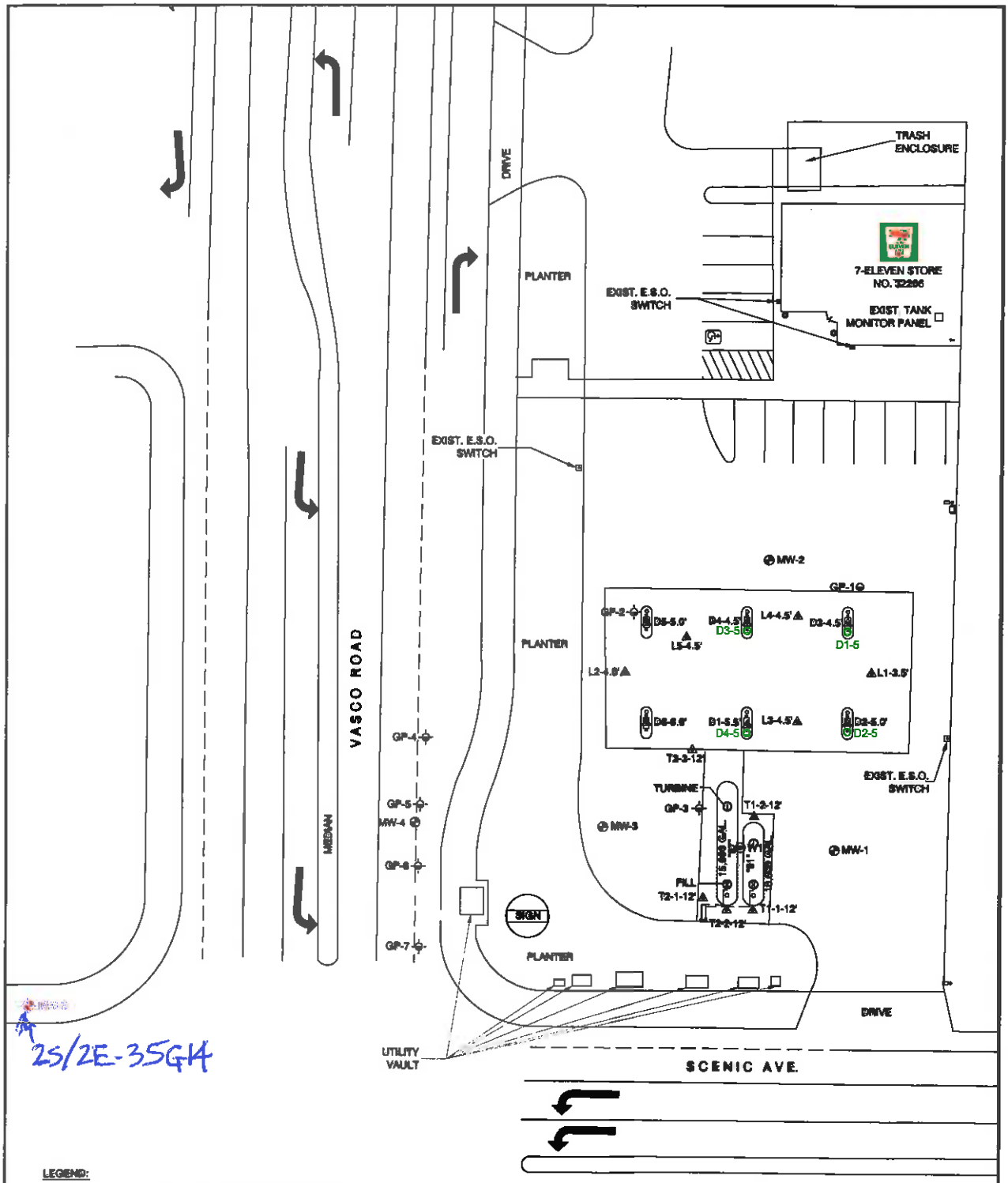
E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

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.

Approved Wyman Hong Date 5/7/13
Wyman Hong

Revised: January 4, 2010




**LEGEND:**

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

N

0 30 60

APPROXIMATE SCALE IN FEET



Stantec

FOR: STORE NO. 32266
1339 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA

**SITE PLAN WITH PROPOSED MONITORING WELL LOCATIONS**

FIGURE: 2

| JOB NUMBER: | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
|---|---|---|---|---|
| 185760084 | STA | ASM | ASM | 04/02/13 |

FILEPATH:M:\7-Eleven\32266\FIG 2_7-11_32266_SITE PLAN WITH PROPOSED WELL_04-02-2013.dwg | Layout Tab: Layout1-11x17L | Drafter: aaguinaldo | Apr 11, 2013 at 10:45

APPLICANT

# City of Livermore

*Community Development Department*
*1052 S. Livermore Avenue*
*Livermore, CA 94550*
*(925) 960-4500*

*Encroachment*
*Permit No. EN130170*
*Type: Other*

*PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.*

**Permit Fee:** $90.00
**Inspection Fee:** $1,000.00
**Bond:** $0.00

**Applicant/Permittee:**
**Name:** 7-Eleven Inc. Stantec Consulting - Debbie Lichtneberger
**Address:** 3017 Kilgore Rd., Suite 100
Rancho Cordova, Ca., 95670
**Phone:** 916 384-0724

***Total: $1,090.00***

**Contractor:**
**Name:** National Exploration, Wells & Pumps
**Address:** 1961 Meeker Ave.
Richmond, Ca. 94804
**Phone:** 510-236-6282

***PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 960-4500 AT LEAST 24 HOURS BEFORE YOU START WORK.***

***JOB LOCATION: 1339 Vasco Road, North *******
***DESCRIPTION OF WORK: Well installation and well apron repairs. See attached plan with proposed well and apron repair location. Work to be completed on June 17 & 18, 2013.***

**Length of Excavation:** _ L.F. **Width:** _ L.F. **Depth:** _ L.F.

**Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).**

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Hold Harmless and Indemnification Agreement: 7-Eleven Inc. Stantec Consulting - Debbie Lichtneberger agrees to defend, indemnify and hold the City of Livermore, elected officials, officers, directors, employees, agents and volunteers harmless from and against any and all loss, liability, damage, including reasonable attorney and expert fees and/or court costs, arising out of or in connection with this agreement, except for the gross negligence and willful misconduct of the City of Livermore, its elected officials, officers, directors, employees, agents and volunteers.

**7-Eleven Inc. Stantec Consulting - Debbie Lichtneberger**
**Signature of Permittee:**

**By:** _____

**Title:** Environmental Technician

**Date:** 6/12/13

**Date Work Completed:** _____

**City Engineer**

**By:** _____

**Date of Issue:** 6/6/13

**Inspector:** _____

**City of Livermore**
Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4500

Encroachment Permit No. EN130170

## SPECIAL REQUIREMENTS APPLICABLE TO WORK ASSOCIATED WITH

**JOB LOCATION:** 1339 Vasco Road, North ****

**DESCRIPTION OF WORK:** Well installation and well apron repairs. See attached plan with proposed well and apron repair location. Work to be completed on June 17 & 18, 2013.

1: See Attached Drawing/Plans

2: Traffic control shall be completed per Cal Trans Standards and any additional requirements deemed necessary by the City Engineer.

3: All work shall be completed between the hours of 9 a.m. and 3 p.m.

4: All lane closures/ traffic control shall be done per Cal Trans Standards.

5: Contractor shall repair/replace all curb, gutter and sidewalk damaged as a result of current work being completed per the City Livermore Standard Details.

6: Pedestrian access must be maintained at all times, including if necessary, escorting pedestrians through the work area.

7: All trenchwork and small excavations in the street shall be completed per City Std Detail G-1.

# Attachment C
# Field Notes

# SITE VISITATION REPORT

Name(s): Yusuf DeSilvan
Arrival Time: 7:55
Weather Notations: SUN CLOUDY RAIN SNOW

Date: 6/17/13
"Departure Time: ~~12:45~~ 12:45
Did you call in? (Yes) No
Who did you call? Amanda ~~Mary~~ Magee
Temperature:

## DRUM INVENTORY

| | | | | |
|---|---|---|---|---|
| 0 | WATER | | CARBON | TOTAL OPEN TOP |
| 0 | SOIL | | EMPTY | TOTAL BUNG TOP 0 |

## HEALTH AND SAFETY ASSESSMENT

Traffic, working on street Possible. Heat stress. Heavy lifting and working with electricty. Jackhammer.

## DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

5:45 Arrived at Stantec RC office
~~6:05~~ Left from Stantec RC office.
7:51 Arrived on site
7:55 Called Amanda Magee and met drillers
8:05 Conducted daily H&S meeting
8:15 Walked site and mark locations as traffic control began set up.
9:10 Set up truck at MW-5 to begin coring
9:20 Bob Tingley (925) 530-8450 - met and discussed scope of work
9:20 Broke ground at MW-5 - began coring sidewalk
9:30 Finished coring, began Hand augering MW-5
10:00 Reached 5' with HA, began cleaning up and backfilling boring to finish tomorrow.
10:20 Finished Backfilling and covered boring with core and plate
10:35 Moved to 7-Eleven station to wait for traffic control set up at Mabry and to take lunch.
11:10 Set up truck at MW-4
11:15 Began breaking grout in well box with Jackhammer
11:40 Finished destroying well box at MW-4, began installation of new box. 12" well box
11:50 Began pouring concrete around new well box
12:20 Finished well box installation, cleaned up and packed up.
12:30 Signed and received ~~Daily~~ Daily work report from National
12:45 Filled up truck w/ gas + left site
1:30 Returned to RC Stantec office

# SITE VISITATION REPORT

Name(s): Josef Pehlivan
Arrival Time: 8:00
Weather Notations: SUN Wind

Date: 6/18/13
"Departure Time: 15:10
CLOUDY RAIN SNOW

Did you call in? ~~Yes~~ No
Who did you call? Amanda Magee
Temperature:

## DRUM INVENTORY

| | | | | |
|---|---|---|---|---|
| 1 | WATER | | CARBON | TOTAL OPEN TOP |
| 2 | SOIL | | EMPTY | TOTAL BUNG TOP 3 |

## HEALTH AND SAFETY ASSESSMENT

Traffic Hazards. Pinch points on rig, possible heat stress.

## DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

5:50 Arrived at Stantec KC office
6:10 Left Stantec KC office + headed to site.
8:00 Arrived at 7-Eleven #32266 site, called Amanda Magee, left voicemail. Met Drillers + traffic control (National/statewide)
8:05 Conducted Daily H+S meeting
~~8:20~~ 8:20 Completed meeting and waited for statewide to set up traffic control
9:00 Moved Rig to site and began setting up at MW-5
9:45 Finished set up. Began Drilling.
10:05 Collected Sample MW~~5~~-5
10:10 Collected sample MW-5-6.5
10:15 " " MW5-8
10:22 " " MW5-11.5
10:25 called Amanda. Wyman - 925-454-5056. Hit GW around 17 ft bgs. Called Carol inspector to reschedule to 12:30. Measured with sounder, gw around 10.5' bgs.
10:45 Collected Sample MW5-14
10:55 Collected Sample MW5-15.5
11:05 Collected sample MW5-17
11:10 Collected Sample MW5-18.5
11:10 Reached total depth of 20.25 ft. Began setting well
11:20 Poured #3 sand from 4-20.25 ft bgs.
12:10 Finished pouring 12 bags of #3 sand to 4' bgs.
12:15 Poured 1 bag of bentonite chips to 2' bgs.

## DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By: Yusuf Reilman Date: 6/18/13

12:30 Collected sample SP1 (4 RED)

12:50 Grout Inspector Wyman arrived and observed grout poured into well.

13:10 Lunch

13:15 Called Amanda, notified her of grouting & completion of well setting

13:20 Began cleanup and well box installation.

13:30 Measured DTW with sounder → 5.55 ft bgs.

14:15 3 drums, 2 soil, 1 decon water.

14:30 Drums located in corner of site on pumpside of store

15:00 National Left site, received work report from national + statewide

15:10 Left site, headed to Stantec RC office.

17:00 Arrived at Stantec RC office + unloaded truck.

17:20 Left Stantec RC + headed to Kiff Analytical.

18:02 Delivered samples to Kiff analytical

| | | | |
|---|---|---|---|
| JOB NAME: | 7-Eleven Store #32266 | JOB NUMBER: | 185750084.200.0600 |
| SITE ADDRESS: | 1339 North Vasco Road | START DATE: | 7/16/2013 |
| | Livermore, California | DATE PREPARED: | 7/11/2013 |
| PREPARED FOR: | Brian Branscum | PREPARED BY: | Brian Branscum |

# SITE VISITATION REPORT

Name(s) Brian Branscum Date: 7/16/13 Did you call in? (Yes) No

Arrival Time: 0930 "Departure Time: 1320 Who did you call? Danielle Manning

Weather Notations: (SUN) CLOUDY RAIN SNOW Temperature 60-80's F

## DRUM INVENTORY

**STANTEC'S ENVIRONMENTAL:**

| | |
|---|---|
| Purge Water | 1 |
| Soil | 0 |
| Concrete/Debris | 0 |
| Other: | 0 |
| Empty | 4 |

**7-ELEVEN'S FACILITY:**

| | |
|---|---|
| Locked/Labeled HAZ | 1 |
| Other: | 0 |
| Other: | 0 |

**TOTALS:**

| | |
|---|---|
| Total Open Top | 6 |
| Total Bung Top | 0 |

**Please take a picture of anything not clearly labeled**

## HEALTH AND SAFETY ASSESSMENT

PPE, HASP, Hospital Route, Vehicle/Foot Traffic, Slips/Trips/Falls, Traffic Control, Scope of Work

DTB - 18.80
DTW - 9.20 > 9.60 x 0.17 = 1.6
D.O. - 1.22

## DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

0700-0930 - Truck inspection, drove to City of Livermore. Picked-up encroachment permit, drove to site.

0930-1015 - Met w/ Gene, Billy (National ENP) and JEFF, NICK (Statewide). Reviewed HASP, discussed Scope of work. Statewide setup traffic control/sidewalk closure for MW-5.

1015-1030 - National ENP setup on well MW-5. Opened, then guaged MW-5.

1030-1045 - National began surging well using 2" surge block. Completed @ 1045.

1045-1235 - Setup downhole pump in well. Started purging @ 1050. Collected readings @ each casing volume (1.6 gal.). well went dry @ ~4.0 gal purged. Continued development via hand bailing. Completed development @ 1235. Collected post-DTW/DTB readings.

1235-1320 - National crew decon'd & packed up equipment. De-mobed to parking lot to finish paperwork. Statewide crew picked up traffic control.

1320- - All offsite @ 1320.

1320-1515 - Drove to office, dropped off paperwork.

1515-1545 - Drove home.

| | | | |
|---|---|---|---|
| JOB NAME: | 7-Eleven Store #32266 | JOB NUMBER: | 185750084.200.0600 |
| SITE ADDRESS: | 1339 North Vasco Road | START DATE: | 7/16/2013 |
| | Livermore, California | DATE PREPARED: | 7/11/2013 |
| PREPARED FOR: | Brian Branscum | PREPARED BY: | Brian Branscum |

# GROUNDWATER GAUGING FORM

MEASURED TO TOC

| WELL I.D. | CONST. DTB | WELL DIAM. | WELL ELEV. TOC | DTB | DTW | DTP/PT | D.O. (mg/L) | TIME | COMMENTS Please note if well needs locking cap or street box repair |
|---|---|---|---|---|---|---|---|---|---|
| MW-5 | | 2" | | 18.80 | 9.20 | / | 1.22 | 1025 | |

# WELL DEVELOPMENT LOG

Project Number 185750084.200.0600 Well MW-5

Project Name 7-Eleven Store #32266 Development Subcontractor National EWP

Performed/Supervised BRIAN BRANSCUM

Development Method Airlift (Sub. Pump) (Surge Block) (Bailer) Other

Development Criteria Surged well for 15 mins, purged 10 casing volumes.

Equipment Cleaning Method Alconox 3-Stage decon

Field Instruments Used Sub. pump, surge block, HANNA pH/EC/TEMP/COND. meter, turbidity meter.

Development Water Disposal Method 55-gal. drum.

Comments

## DEVELOPMENT DATA

Depth to Water: Start 9.20 End 9.22 Ref. Point Elev. TOC Height Above Ground Surface N/A

Total Depth: Start 18.80 End 19.48

| Date | Time | Cumulative Discharge (gallons) | Turbidity NTU | Conductivity | Color | pH | °C Temperature | Other |
|---|---|---|---|---|---|---|---|---|
| 7/16/13 | 1053 | 1.6 | 1.5 | 1907 | BRN | 7.67 | 23.7 | |
| | 1056 | 3.2 | 0.64 | 1974 | BRN | 7.58 | 23.6 | WELL WENT DRY. |
| | 1122 | 4.8 | 1.04 | 1835 | BRN | 7.00 | 23.2 | |
| | 1125 | 6.4 | 4.76 | 1736 | BRN | 7.12 | 22.1 | |
| | 1133 | 8.0 | 35.8 | 1574 | BRN | 6.91 | 20.9 | |
| | 1140 | 9.6 | 190 | 1560 | BRN | 7.06 | 21.0 | |
| | 1145 | 11.2 | 233 | 1542 | BRN | 7.15 | 20.7 | |
| | 1215 | 12.8 | 91.4 | 1558 | BRN | 7.00 | 22.0 | |
| | 1220 | 14.4 | 145 | 1555 | BRN | 7.03 | 21.7 | |
| ↓ | 1225 | 16.0 | 439 | 1530 | LT. BRN | 6.95 | 21.0 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

**REMARKS:**

# Attachment D
# Soil Boring Log

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

WELL/PROBEHOLE/BOREHOLE NO: **MW-5**

DRILLING / INSTALLATION:
STARTED: **6/17/13** COMPLETED: **6/18/13**
DRILLING COMPANY: **National EWP**
DRILLING EQUIPMENT: **Hollow Stem**
DRILLING METHOD: **Auger**
SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **10.5**
STATIC DTW (ft): **5.5**
WELL CASING DIA. (in): **2**
LOGGED BY: **YTP**

EASTING (ft):
LONG:
TOC ELEV (ft):
WELL DEPTH (ft): **20.3**
BOREHOLE DEPTH (ft): **20.3**
BOREHOLE DIA. (in): **8**
CHECKED BY: **A. Magee**

| Time & Depth (feet) | Graphic Log | USCS | Description | Sample | Time Sample ID | Measured Recov. (feet) | Blow Count | Headspace PID (units) | Depth (feet) | Well Construction |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 4" concrete sidewalk | | | | | | | 8" Well Box |
| | | | 6" gravelly fill | | | | | | | Grout |
| | | CL | **CLAY** ; CL; 10YR 2/2 very dark brown; medium plasticity; stiff to hard; moist; no HC odor | | | | | | | Bentonite |
| | | CL | **CLAY WITH SAND** ; CL; 10YR 4/6 dark yellowish brown; low plasticity; stiff; moist; no HC odor | | | | | | | |
| 5 | | | | | 10:05 MW5-5 | 1.5 | 20 27 45 | 0.0 | 5 | |
| | | | | | 10:10 MW5-6.5 | 1.5 | 15 35 45 | 0.0 | | |
| | | | | | 10:15 MW5-8 | 1.5 | 18 20 28 | 0.1 | | |
| 10 | | | No Recovery | | | 0 | 15 20 30 | | 10 | |
| | | CL | **SANDY CLAY** ; CL; 2.5Y 5/4 light olive brown; low plasticity; firm; wet | | 10:22 MW5-11.5 | 1.5 | 13 15 35 | 0.2 | | #3 Sand 0.020" Slotted Screen |
| | | | No Recovery | | | 0 | 7 8 18 | | | |
| | | CL | **CLAY** ; CL; 2.5Y 5/4 light olive brown; medium plasticity; stiff to hard; wet | | 10:48 MW5-14 | 1.5 | 20 35 30 | 0.0 | | |
| 15 | | | | | 10:55 MW5-15.5 | 1.5 | 28 35 38 | 0.1 | 15 | |
| | | | | | 11:05 MW5-17 | 1.5 | 6 8 20 | 0.1 | | |
| | | | | | 11:10 MW5-18.5 | 1.5 | 8 12 30 | 0.0 | | |
| 20 | | | Borehole terminated at 20.25 feet. | | | | | | 20 | |
| 25 | | | | | | | | | 25 | |

GEO FORM 304 MW-5.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 6/27/13

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

KIFF Analytical LLC

Report Number : 85174
Date : 06/25/2013

# Laboratory Results

Amanda Magee
Stantec Consulting Services Inc.
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Subject : 5 Soil Samples
Project Name : 7-Eleven #32266
Project Number : 185750084

Dear Ms. Magee,

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 and TNI 2009 standards. 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,

Troy G. Turpen

Troy Turpen

KIFF Analytical LLC

Report Number : 85174
Date : 06/25/2013

Subject : 5 Soil Samples
Project Name : 7-Eleven #32266
Project Number : 185750084

# Case Narrative

All soil samples were reported on a total weight (wet weight) basis.

KIFF Analytical LLC

Report Number : 85174
Date : 06/25/2013

Project Name : **7-Eleven #32266**
Project Number : **185750084**

Sample : **MW5-5** Matrix : Soil Lab Number : 85174-01
Sample Date :06/18/2013

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date/Time Analyzed |
|---|---|---|---|---|---|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 03:47 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 03:47 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 03:47 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 03:47 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 03:47 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 06/21/13 03:47 |
| 1,2-Dichloroethane-d4 (Surr) | 111 | | % Recovery | EPA 8260B | 06/21/13 03:47 |
| Toluene - d8 (Surr) | 100 | | % Recovery | EPA 8260B | 06/21/13 03:47 |

Sample : **MW5-8** Matrix : Soil Lab Number : 85174-03
Sample Date :06/18/2013

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date/Time Analyzed |
|---|---|---|---|---|---|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/13 22:18 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/13 22:18 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/13 22:18 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/13 22:18 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/13 22:18 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 06/20/13 22:18 |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | % Recovery | EPA 8260B | 06/20/13 22:18 |
| Toluene - d8 (Surr) | 101 | | % Recovery | EPA 8260B | 06/20/13 22:18 |

KIFF Analytical LLC

Report Number : 85174
Date : 06/25/2013

Project Name : **7-Eleven #32266**
Project Number : **185750084**

Sample : **MW5-14** Matrix : Soil Lab Number : 85174-05
Sample Date :06/18/2013

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date/Time Analyzed |
|---|---|---|---|---|---|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 04:22 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 04:22 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 04:22 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 04:22 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 04:22 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 06/21/13 04:22 |
| 1,2-Dichloroethane-d4 (Surr) | 107 | | % Recovery | EPA 8260B | 06/21/13 04:22 |
| Toluene - d8 (Surr) | 99.6 | | % Recovery | EPA 8260B | 06/21/13 04:22 |

Sample : **MW5-18.5** Matrix : Soil Lab Number : 85174-08
Sample Date :06/18/2013

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date/Time Analyzed |
|---|---|---|---|---|---|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:00 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:00 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:00 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:00 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:00 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 06/21/13 05:00 |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | % Recovery | EPA 8260B | 06/21/13 05:00 |
| Toluene - d8 (Surr) | 100 | | % Recovery | EPA 8260B | 06/21/13 05:00 |

KIFF Analytical LLC

Report Number : 85174
Date : 06/25/2013

Project Name : **7-Eleven #32266**
Project Number : **185750084**

Sample : **SP1 (A,B,C,D)** Matrix : Soil Lab Number : 85174-09
Sample Date :06/18/2013

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date/Time Analyzed |
|---|---|---|---|---|---|
| **Lead** | **6.5** | 0.50 | mg/Kg | EPA 6010B | 06/25/13 12:14 |
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:39 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:39 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:39 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:39 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/21/13 05:39 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 06/21/13 05:39 |
| 1,2-Dichloroethane-d4 (Surr) | 110 | | % Recovery | EPA 8260B | 06/21/13 05:39 |
| Toluene - d8 (Surr) | 100 | | % Recovery | EPA 8260B | 06/21/13 05:39 |

Report Number : 85174

Date : 06/25/2013

**QC Report : Method Blank Data**

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

Project Number : **185750084**

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| Lead | < 0.50 | 0.50 | mg/Kg | EPA 6010B | 06/25/2013 |
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/2013 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/2013 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/2013 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/2013 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 06/20/2013 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 06/20/2013 |
| 1,2-Dichloroethane-d4 (Surr) | 107 | | % | EPA 8260B | 06/20/2013 |
| Toluene - d8 (Surr) | 102 | | % | EPA 8260B | 06/20/2013 |

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|



KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 85174

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Date : 06/25/2013

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

Project Number : **185750084**

| 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 | | | | | | | | | | | | | | |
| | 85174-03 | <0.0050 | 0.0385 | 0.0393 | 0.0362 | 0.0358 | mg/Kg | EPA 8260B | 6/20/13 | 94.1 | 91.1 | 3.17 | 70.0-130 | 25 |
| Ethylbenzene | | | | | | | | | | | | | | |
| | 85174-03 | <0.0050 | 0.0385 | 0.0393 | 0.0385 | 0.0375 | mg/Kg | EPA 8260B | 6/20/13 | 100 | 95.5 | 4.58 | 70.0-130 | 25 |
| Methyl-t-butyl ether | | | | | | | | | | | | | | |
| | 85174-03 | <0.0050 | 0.0380 | 0.0387 | 0.0349 | 0.0345 | mg/Kg | EPA 8260B | 6/20/13 | 91.8 | 89.2 | 2.91 | 60.0-130 | 25 |
| P + M Xylene | | | | | | | | | | | | | | |
| | 85174-03 | <0.0050 | 0.0385 | 0.0393 | 0.0371 | 0.0364 | mg/Kg | EPA 8260B | 6/20/13 | 96.3 | 92.5 | 3.98 | 70.0-130 | 25 |
| Toluene | | | | | | | | | | | | | | |
| | 85174-03 | <0.0050 | 0.0385 | 0.0393 | 0.0374 | 0.0369 | mg/Kg | EPA 8260B | 6/20/13 | 96.9 | 93.9 | 3.20 | 70.0-130 | 25 |
| Lead | | | | | | | | | | | | | | |
| | 85203-01 | 3.2 | 48.5 | 48.5 | 44.5 | 46.1 | mg/Kg | EPA 6010B | 6/25/13 | 85.0 | 88.3 | 3.46 | 75-125 | 20 |



KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 85174

**QC Report : Laboratory Control Sample (LCS)**

Date : 06/25/2013

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

Project Number : **185750084**

| Parameter | Spike Level | Units | Analysis Method | Date Analyzed | LCS Percent Recov. | LCS Percent Recov. Limit |
|---|---|---|---|---|---|---|
| Lead | 50.0 | mg/Kg | EPA 6010B | 6/25/13 | 97.1 | 85-115 |
| Benzene | 0.0400 | mg/Kg | EPA 8260B | 6/20/13 | 94.3 | 70.0-130 |
| Ethylbenzene | 0.0400 | mg/Kg | EPA 8260B | 6/20/13 | 98.8 | 70.0-130 |
| Methyl-t-butyl ether | 0.0394 | mg/Kg | EPA 8260B | 6/20/13 | 83.1 | 60.0-130 |
| P + M Xylene | 0.0400 | mg/Kg | EPA 8260B | 6/20/13 | 96.0 | 70.0-130 |
| Toluene | 0.0400 | mg/Kg | EPA 8260B | 6/20/13 | 96.9 | 70.0-130 |



KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

**KIFF Analytical LLC**

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 85174

Page ___ of ___

# Chain-of-Custody Record and Analysis Request

| | |
|---|---|
| Project Contact (Hardcopy or PDF To): Amanda Magee | California EDF Report? ☒ Yes ☐ No |
| Company / Address: Stantec 3017 Kilgore Road, Rancho Cordova, CA | Sampling Company Log Code: |
| Phone Number: 916-381-0743 | Global ID: |
| Fax Number: | EDF Deliverable To (Email Address): amanda.magee@stantec.com |
| Project #: 8575000811 / P.O. #: | Bill to: |
| Project Name: 7-Eleven # 32766 | Sampler Print Name: Yusuf Pihliven |
| | Sampler Signature: |

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

| Project Address: | Sampling | | Container | | | | | | Preservative | | | | | | Matrix | | | Analysis Request (CIRCLE METHOD) | | | | | | | | | | | | | | | | | | | | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Designation | Date | Time | 40 ml VOA | Sleeve | Poly | Glass | Tedlar | | HCl | $HNO_3$ | None | | | | Water | Soil | Air | MTBE @ 0.5 ppb (EPA 8260B) | BTEX (EPA 8260B) | TPH Gas (EPA 8260B) | 5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B) | 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B) | Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B) | Volatile Halocarbons (EPA 8260B) | Volatile Organics Full List (EPA 8260B) | Volatile Organics (EPA 524.2 Drinking Water) | TPH as Diesel (EPA 8015M) | TPH as Motor Oil (EPA 8015M) | CAM 17 Metals (EPA 200.7 / 6010) | 5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010) | Mercury (EPA 245.1 / 7470 / 7471) | Total Lead (EPA 200.7 / 6010) | W.E.T. Lead (STLC) | | | | | | |
| MW5-5 | 6/18/13 | 10:05 | | X1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 01 |
| MW5-6.5 | | 10:10 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 02 |
| MW5-8 | | 10:15 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 03 |
| MW5-11.5 | | 10:22 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 04 |
| MW5-14 | | 10:48 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 05 |
| MW5-15.5 | | 10:55 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 06 |
| MW5-17 | | 11:05 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 07 |
| MW5-18.5 | | 11:10 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 08 |
| SP1 (A, B, C, D) | | 12:30 | | | | 4 | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | X | | | | | 09 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|---|---|---|
| Relinquished by: | Date: 6/18/13 | Time: 18:02 | Received by: |
| Relinquished by: | Date: | Time: | Received by: |
| Relinquished by: | Date: 061813 | Time: 1802 | Received by Laboratory: Kiff Analytical LLC |

Remarks: Please ~~cp~~ composite SP1

Distribution: White - Lab; Pink - Originator
Rev: 060409

KIFF Analytical LLC

# SAMPLE RECEIPT CHECKLIST

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **SRG #:** 85174 | **TAT:** ☒ Standard | ☐ Rush | ☐ Split | ☐ None | | | |
| **Sample Receipt** | **Initials/Date:** TJB 061813 | **Storage Time:** 1802 | **Sample Login** | **Initials/Date:** [illegible] 061913 | | | |
| **Method of Receipt:** | ☐ Courier | ☒ Over-the-counter | ☐ Shipped | Shipping Custody Seals | ☐ N/A | ☐ Intact | ☐ Broken |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Temp °C 1.6 | ☐ N/A | Therm ID IR-3 | Time 1800 | Coolant present | ☒ Yes | ☐ No | ☐ Water | ☐ Temp Excursion |

| **Chain-of-Custody:** | **Yes** | **No** |
|---|---|---|
| Is COC present? | X | |
| Is COC signed by relinquisher? | X | |
| Is COC dated by relinquisher? | X | |
| Is the sampler's name on the COC? | X | |
| Are there analyses or hold for all samples? | X | |

| **Documented on** | **COC** | **Labels** | **Discrepancies:** |
|---|---|---|---|
| Sample ID | ✓ | ✓ | |
| Project ID | ✓ | ✓ | |
| Sample Date | ✓ | ✓ | |
| Sample Time | ✓ | ✓ | |
| Does COC match project history? | ☒ N/A | ☐ Yes | ☐ No |

| **Samples:** | **N/A** | **Yes** | **No** |
|---|---|---|---|
| Are sample custody seals intact? | X | | |
| Are sample containers intact? | | X | |
| Is preservation documented? | X | | |
| **In-house Analysis:** | **N/A** | **Yes** | **No** |
| Are preservatives acceptable? | X | | |
| Are samples within holding time? | | X | |
| Are sample container types correct? | | X | |
| Is there adequate sample volume? | | X | |

**Comments:**

**Receipt Details:**

| Matrix | Container Type | # of Containers |
|---|---|---|
| SO | Sleeve | 8 |
| SO | 4 oz glass | 4 |
| | | |
| | | |
| | | |

**CS Required:** ☐

Proceed With Analysis: ☐ YES ☐ NO Init/Date:
Client Communication:

**KIFF Analytical LLC**

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 85174

Page ___ of ___

# Chain-of-Custody Record and Analysis Request

| | |
|---|---|
| Project Contact (Hardcopy or PDF To): Amanda Magee | California EDF Report? ☒ Yes ☐ No |
| Company / Address: Stantec 3017 Kilgore Road, Rancho Cordova, CA | Sampling Company Log Code: |
| Phone Number: 916-381-0743 | Global ID: |
| Fax Number: | EDF Deliverable To (Email Address): amanda.magee@stantec.com |
| Project #: 8575000811 / P.O. #: | Bill to: |
| Project Name: 7-Eleven # 32766 | Sampler Print Name: Yusuf Pihliven |
| | Sampler Signature: |

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

| Project Address: | Sampling | | Container | | | | | | Preservative | | | | | | Matrix | | | Analysis Request (CIRCLE METHOD) | | | | | | | | | | | | | | | | | | | | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Designation | Date | Time | 40 ml VOA | Sleeve | Poly | Glass | Tedlar | | HCl | $HNO_3$ | None | | | | Water | Soil | Air | MTBE @ 0.5 ppb (EPA 8260B) | BTEX (EPA 8260B) | TPH Gas (EPA 8260B) | 5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B) | 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B) | Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B) | Volatile Halocarbons (EPA 8260B) | Volatile Organics Full List (EPA 8260B) | Volatile Organics (EPA 524.2 Drinking Water) | TPH as Diesel (EPA 8015M) | TPH as Motor Oil (EPA 8015M) | CAM 17 Metals (EPA 200.7 / 6010) | 5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010) | Mercury (EPA 245.1 / 7470 / 7471) | Total Lead (EPA 200.7 / 6010) | W.E.T. Lead (STLC) | | | | | | |
| MW5-5 | 6/18/13 | 10:05 | | X1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 01 |
| MW5-6.5 | | 10:10 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 02 |
| MW5-8 | | 10:15 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 03 |
| MW5-11.5 | | 10:22 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 04 |
| MW5-14 | | 10:48 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 05 |
| MW5-15.5 | | 10:55 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 06 |
| MW5-17 | | 11:05 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 07 |
| MW5-18.5 | | 11:10 | | 1 | | | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | | | | | 08 |
| SP1 (A, B, C, D) | | 12:30 | | | | 4 | | | | | X | | | | | X | | X | X | X | | | | | | | | | | | | | X | | | | | 09 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|---|---|---|
| Relinquished by: | Date: 6/18/13 | Time: 18:02 | Received by: |
| Relinquished by: | Date: | Time: | Received by: |
| Relinquished by: | Date: 061813 | Time: 1802 | Received by Laboratory: Kiff Analytical LLC |

Remarks: Please ~~cp~~ composite SP1

Distribution: White - Lab; Pink - Originator
Rev: 060409

KIFF Analytical LLC

# SAMPLE RECEIPT CHECKLIST

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **SRG #:** 85174 | **TAT:** ☒ Standard | ☐ Rush | ☐ Split | ☐ None | | | |
| **Sample Receipt** | **Initials/Date:** TJB 061813 | **Storage Time:** 1802 | **Sample Login** | **Initials/Date:** [illegible] 061913 | | | |
| **Method of Receipt:** | ☐ Courier | ☒ Over-the-counter | ☐ Shipped | Shipping Custody Seals | ☐ N/A | ☐ Intact | ☐ Broken |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Temp °C 1.6 | ☐ N/A | Therm ID IR-3 | Time 1800 | Coolant present | ☒ Yes | ☐ No | ☐ Water | ☐ Temp Excursion |

| **Chain-of-Custody:** | **Yes** | **No** |
|---|---|---|
| Is COC present? | X | |
| Is COC signed by relinquisher? | X | |
| Is COC dated by relinquisher? | X | |
| Is the sampler's name on the COC? | X | |
| Are there analyses or hold for all samples? | X | |

| **Documented on** | **COC** | **Labels** | **Discrepancies:** |
|---|---|---|---|
| Sample ID | ✓ | ✓ | |
| Project ID | ✓ | ✓ | |
| Sample Date | ✓ | ✓ | |
| Sample Time | ✓ | ✓ | |
| Does COC match project history? | ☒ N/A | ☐ Yes | ☐ No |

| **Samples:** | **N/A** | **Yes** | **No** |
|---|---|---|---|
| Are sample custody seals intact? | X | | |
| Are sample containers intact? | | X | |
| Is preservation documented? | X | | |
| **In-house Analysis:** | **N/A** | **Yes** | **No** |
| Are preservatives acceptable? | X | | |
| Are samples within holding time? | | X | |
| Are sample container types correct? | | X | |
| Is there adequate sample volume? | | X | |

**Comments:**

**Receipt Details:**

| Matrix | Container Type | # of Containers |
|---|---|---|
| SO | Sleeve | 8 |
| SO | 4 oz glass | 4 |
| | | |
| | | |
| | | |

**CS Required:** ☐

Proceed With Analysis: ☐ YES ☐ NO Init/Date:
Client Communication:

# Attachment F
# Waste Disposal Documentation

# Manifest

## SOIL SAFE OF CA - TPST
Non-Hazardous Soils

↓ Manifest # ↓

| Date of Shipment: | Responsible for Payment: | Transport Truck #: | Facility #: | Approval Number: | Load # |
|---|---|---|---|---|---|
| 7/11/13 | | 393 / 976 | A07 | 41306 | 001 |

**Generator and/or Consultant**

| | | |
|---|---|---|
| Generator's Name and Billing Address:<br>7-ELEVEN, INC.<br>P.O. BOX 80741<br>RANCHO SANTA MARGARITA, CA 92688 | Generator's Phone #:<br>949-460-6200 | CAL000287483 |
| | Person to Contact: | |
| | FAX#: | Customer Account Number |
| Consultant's Name and Billing Address: | Consultant's Phone #: | |
| | Person to Contact: | |
| | FAX#: | Customer Account Number |
| Generation Site (Transport from): *(name & address)*<br>7-ELEVEN 32268<br>1339 VASCO RD.<br>LIVERMORE, CA 94551 | Site Phone #: | |
| | Person to Contact: | |
| | FAX#: | |
| Designated Facility (Transport to): *(name & address)*<br>SOIL SAFE<br>12328 HIBISCUS AVENUE<br>ADELANTO, CA 92301 | Facility Phone #:<br>(800) 982-8001 | |
| | Person to Contact:<br>DELLENA JEFFREY | |
| | FAX#:<br>(760) 246-8004 | |
| Transporter Name and Mailing Address:<br>BELSHIRE<br>25971 TOWNE CENTRE DRIVE<br>FOOTHILL RANCH, CA 92610<br>BESI: 222184 | Transporter's Phone #:<br>949-460-6200 | CAR000193913 |
| | Person to Contact:<br>LARRY MOOTHART | 450647 |
| | FAX#:<br>949-460-5210 | Customer Account Number |

| Description of Soil | Moisture Content | Contaminated by: | Approx. Qty: | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|---|---|---|---|---|---|---|
| Sand ☐ Organic ☐<br>Clay ☐ Other ☐ | 0 - 10% ☐<br>10 - 20% ☐<br>20% - over ☐ | Gas ☐<br>Diesel ☐<br>Other ☐ | 2 dms | | 39700 | 37600 | 1100 |
| Sand ☐ Organic ☐<br>Clay ☐ Other ☐ | 0 - 10% ☐<br>10 - 20% ☐<br>20% - over ☐ | Gas ☐<br>Diesel ☐<br>Other ☐ | | | | | 155 |

List any exception to items listed above: Scale Ticket # 109183

*Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried 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 |
|---|---|---|---|---|
| Jason Markhart of BESI on behalf of generator | | 7 | 13 | 13 |

**Transporter**

*Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the 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 |
|---|---|---|---|---|
| [illegible] | | 7 | 13 | 13 |

**Recycling Facility**

Discrepancies:
322664
896409

*Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:*

| Print or Type Name: | Signature and date: |
|---|---|
| D. JEFFREY/J. PROVANSAL | 7/11/13 |

Please print or type.

TRANSPORTER COPY