



Stantec Consulting Corporation 3017 Kilgore Road Suite 100 Rancho Cordova CA 95670 Tel: (916) 861-0400 Fax: (916) 861-0430 9:07 am, Mar 28, 2011

Alameda County

Environmental Health

March 25, 2011

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 #:211502037.220.0502

Dear Mr. Wickham:

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

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

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

Sincerely,

Stantec Consulting Corporation

Damon Brown Geologic Associate Project Manager Ed Simonis, P

Senior Geologis

OF CALIFO

LIMITED AUTHORIZATION

KNOW ALL MEN BY THESE PRESENTS:

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

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

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

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

APPROVED AND EXECUTED this $22^{\mu\nu}$ day of MAy, 2008, to be effective as of June 1, 2008.

7-ELEVEN, INC.

ATTEST:

Assistant Secretary

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;

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



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RE: Additional Site Assessment Report

7-Eleven Store #32266 1339 North Vasco Road Livermore, CA 94551 Stantec Project #: 211502037.220.0502

Dear Mr. Wickham:

This report was prepared by Stantec Consulting Corporation (Stantec) on behalf of 7-Eleven Inc. (7-Eleven) to document the installation of three groundwater monitoring wells (MW-1, MW-2 and MW-3) at 7-Eleven store #32266, located at 1339 Vasco Road in Livermore, California (Figures 1 and 2). This work was performed in accordance with Stantec's September 29, 2010, Work Plan for Additional Site Assessment and Results of Detailed Well Survey and the October 25, 2010, 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 tanks (USTs) (Figure 2). Stantec supervised the installation of three groundwater monitoring wells to further define the limits of MtBE impacts in soil and groundwater at the site and to determine 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 three boring locations using Underground Service Alert (USA) and a private utility locator.
- 4. Installation and development of three groundwater monitoring wells.
- 5. Submitting soil samples for laboratory analysis.

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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 26 soil samples were collected during the UST replacement activities as follows:

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

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

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

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

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

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

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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 μ g/L and 380 μ g/L, respectively. TAME was exclusively detected in grab-groundwater sample GP-3W at a concentration of 0.71 μ g/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.

SOIL BORING, SAMPLING, AND WELL INSTALLATION

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

Groundwater monitoring well installation permits were obtained from Zone 7 Water Agency prior to conducting subsurface work at the site (Attachment B).

Stantec prepared 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, 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 each of the proposed monitoring well locations.

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Soil Borings

Between February 23 and 24, 2011, Stantec supervised as WDC installed three groundwater monitoring wells (MW-1, MW-2 and MW-3) at the locations shown on Figure 2. The wells were drilled to a depth of 20 and 25 feet bgs, using a truck mounted drilling rig equipped with 8-inch diameter hollow-stem augers (HSA). Downhole drilling equipment was properly cleaned before drilling each borehole. The soil boring and well construction details for MW-1, MW-2 and MW-3 are summarized in Table 3. Field notes are included in Attachment C.

Soil Sampling

Soil samples were collected from each boring using a split-spoon sampler lined with 2-inch diameter by 6-inch long brass sample tubes. 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 collected for analysis 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 Califorina State certified laboratory located in Davis, California. The soil samples were analyzed for TPHg, BTEX, MtBE, DIPE, EtBE, TAME and TBA by Environmental Protection Agency (EPA) Method 8260B.

Soil Stratigraphy and Geology

Based on the description of the soil samples collected from the new wells MW-1, MW-2 and MW-3, the soil stratigraphy encountered consists mainly of clay from ground surface to about 18 feet bgs. Thin layers of silt and fine sand were encountered between 18 and 25 feet bgs. Copies of the soil boring logs are included in Attachment D.

Well Installation

Groundwater monitoring wells MW-1, MW-2 and MW-3 were constructed using 2-inch diameter polyvinyl chloride (PVC) blank casing and 0.020-inch-slot well screen. The wells were installed to 20 feet bgs and were screened from 5 to 20 feet bgs (Table 3). A number 3 sand filter pack was placed within the annulus of each well, from 20 feet bgs to approximately one foot above the top of the well screen. The annulus of each well was sealed with one foot of bentonite on top of the sand, and a portland cement/bentonite slurry to the surface. An 8-inch-diameter, traffic-rated, water-tight street box was installed to protect the wells from surface traffic. Well construction details are summarized in Table 3. Field notes are included in Attachment C.

Well Development

On March 1, 2011, Stantec supervised WDC during the development of monitoring wells MW-1, MW-2 and MW-3, 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 10 well casing volumes of groundwater was purged from each 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

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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(ABCD), was collected from the soil bins 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. Copies of the waste disposal documentation will be provided under a separate cover.

RESULTS OF SAMPLING ANALYSIS

Soil Sample Analytical Results

A total of seven soil samples were collected from soil borings MW-1, MW-2 and MW-3 for laboratory analysis. MtBE and TBA were reported solely in the soil samples collected from MW-3, with concentrations ranging from 0.0082 mg/kg to 0.33 mg/kg. The analytes BTEX, TPHg, DIPE, EtBE, and TAME were not detected at concentrations above the laboratory reporting limits in any of the samples collected during this investigation. A copy of the certified laboratory analytical reports and chain-of-custody documentation are included in Attachment E.

WELL LOCATION SURVEY

Stantec, a certified surveyor in California, surveyed the locations of the newly installed wells. The tops of casings of the newly installed wells were surveyed to 0.01 foot relative to mean sea level. A copy of the well survey map is included in Attachment F.

SUMMARY AND CONCLUSIONS

Three groundwater monitoring wells MW-1, MW-2, and MW-3 were installed between February 23 and 24, 2011. 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.

Stantec will commence quarterly groundwater monitoring and sampling of the newly installed wells during first quarter 2011. Groundwater samples will be submitted to Kiff for analysis of TPHg, BTEX, MtBE, DIPE, EtBE, TAME and TBA by EPA Method 8260B.

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.

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

Sincerely,

Stantec Consulting Corporation

Prepared by:

Patrick Herrmann Project Scientist Reviewed by:

Damon Brown Geologic Associate Project Manager

Reviewed by:

Ed Simonis, PG Senior Geologist

ATTACHMENTS

Figures Tables

Attachment A - Regulatory Correspondence

Attachment B - Well Installation Permits

Attachment C - Field Notes

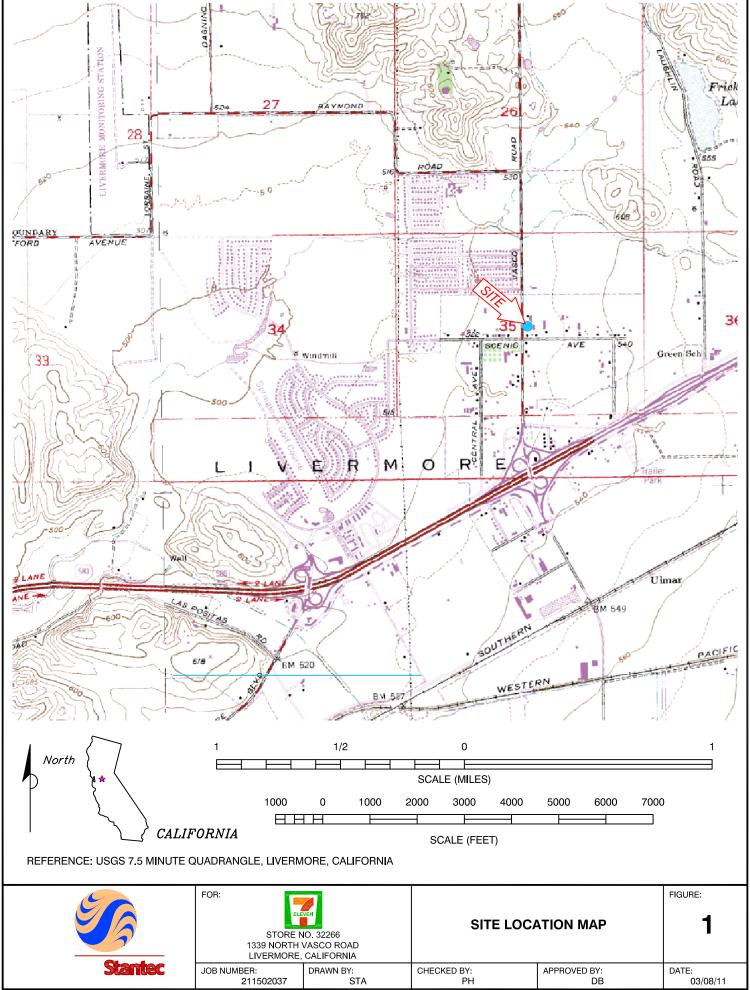
Attachment D – Soil Boring Logs

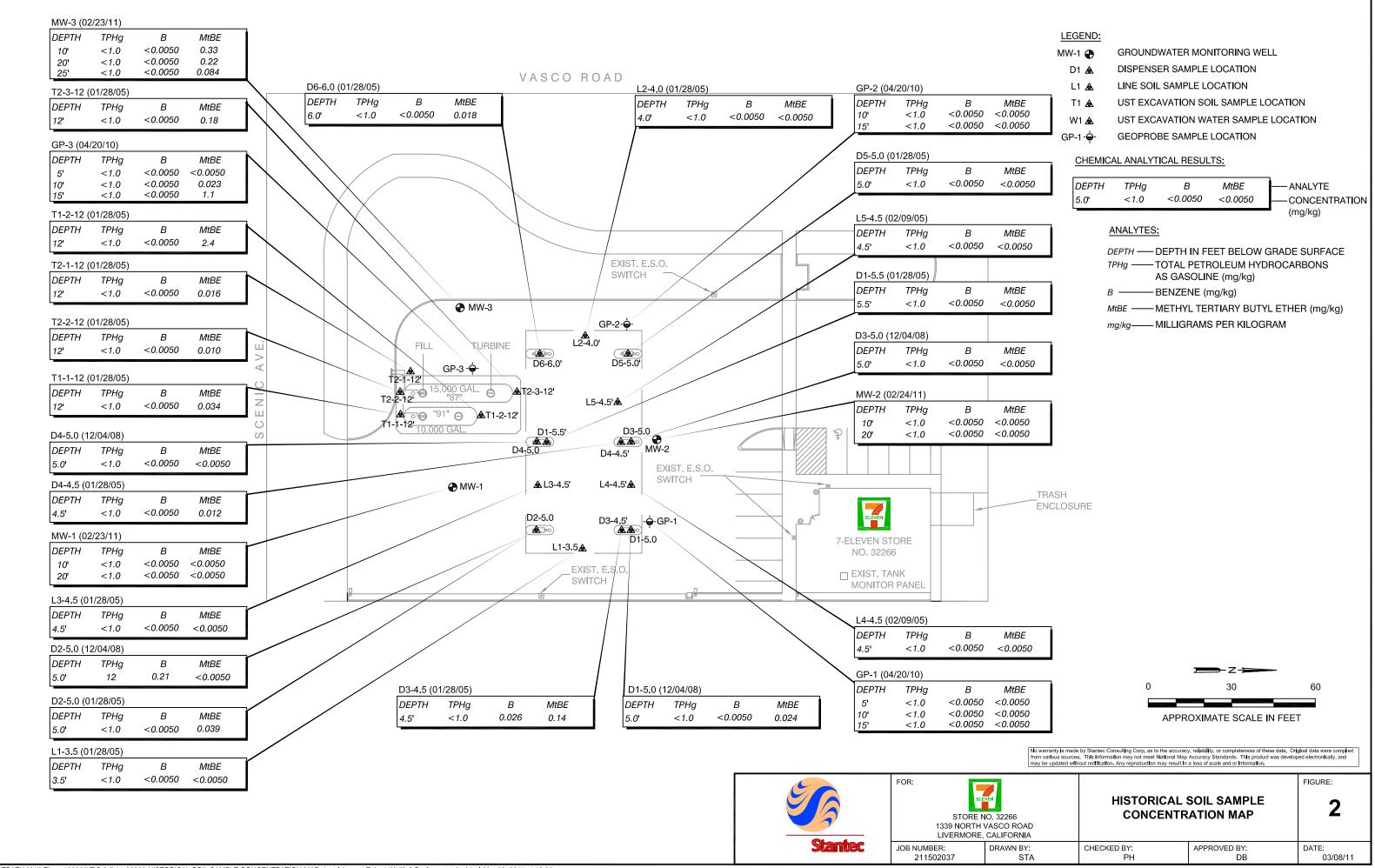
Attachment E – Certified Laboratory Analytical Reports and Chain-of-Custody Documentation

Attachment F - Survey Map

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

Figures





Tables

TABLE 1 Historical Soil Sample Analytical Results

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

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

7-Eleven Stores\32266\32266 Historical Soil Tables.xls Page 1 of 2

TABLE 1 Historical Soil Sample Analytical Results

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

Sample	Date	Sample Depth	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHg	MtBE	DIPE	EtBE	TAME	ТВА	EDB	EDC	EtOH	Total Lead	Notes
I.D.	Sampled	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Monitoring Well	s																
MW-1-10	02/23/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
MW-1-20	02/23/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050		-			
MW-2-10	02/24/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050		-			
MW-2-20	02/24/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
MW-3-10	02/23/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.33	<0.0050	<0.0050	<0.0050	0.0082					J
MW-3-20	02/23/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.22	<0.0050	<0.0050	<0.0050	0.053					J
MW-3-25	02/23/11	25	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.084	<0.0050	<0.0050	<0.0050	0.010					J
Stockpile Soil S	amples																
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	е
SP1(ABCD)	02/24/11		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								7.6	

Explanation:

TPHg, BTEX, MtBE, DIPE, ETBE, TAME, TBA, EDB,

EDC, EtOH by 8260

ft bgs = Feet Below Ground Surface

mg/kg = milligrams per kilogram or parts-per-million

< = Not detected above laboratory reporting limit

UST = Underground Storage Tank

TPHq = Total petroleum hydrocarbons-as-gasoline

MtBE = Methyl-tert-butyl ether DIPE = Diisopropyl ether

EtBE = Ethyl-tert-butyl ether

TAME = Tert-amyl-methyl ether

-- = not analyzed

TBA = Tert-butyl alcohol

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

EtOH = Ethanol

Total Lead analysis by 6010B

Notes:

a = Matrix Spike/Matrix Spike Duplicate results for the analytes tert-butanol and toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

- b = Matrix Spike/Matrix Spike Duplicate results for the analyte methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.
- c = composite soil profile samples
- d = Note that dispenser sample names/designations differ in location from dispenser samples collected in 2005.
- J = TBA results may be biased slightly high and is flagged with a 'J'. A fraction of MtBE (up to 5%) converts to TBA during the analysis of soil samples.

 This conversion effect is considered to be mathematically significant in samples that contain MtBE/TBA in ratios of over 3:1.
- e = Matrix Spike/Matrix Spike Duplicate results for the analytes Ethylbenzene, P + M Xylene, O-Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

7-Eleven Stores\32266\32266 Historical Soil Tables.xls

TABLE 2 Historical Water and/or Groundwater Sample Analytical Results

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

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

Explanation:

BTEX, TPHg, MtBE, DIPE, ETBE, TAME, and TBA by 8260B

TPHg = Total petroleum hydrocarbons-as-gasoline

MtBE = Methyl-tert-butyl ether

DIPE = Diisopropyl ether

EtBE = Ethyl-tert-butyl ether

TAME = Tert-amyl-methyl ether

TBA = Tert-butyl alcohol

EDB = 1,2-Dibromoethane EDC = 1,2-Dichloroethane

EtOH = Ethanol

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

Table 3 **Soil Boring Details**

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

		Boring	Well	Screen		Screen	
Well	Drill	Depth	Diameter	Тор	Bottom	Length	Comments
I.D.	Date	(feet bgs)	(inches)	(feet bgs)	(feet bgs)	(feet)	
Soil Borings	3						
GP-1	04/20/10	20		-			
GP-2	04/20/10	25					
GP-3	04/20/10	30		-	-		
Monitoring \	Wells						
MW-1	02/23/11	20	2	5	20	15	
MW-2	02/24/11	20	2	5	20	15	
MW-3	02/23/11	25	2	5	20	15	

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

October 25, 2010

Mr. Ken Hilliard 7-Eleven, Inc. One Arts Plaza 1722 Routh Street, Suite 1000 Dallas, TX 75201 Mr. Michael Blau Michael H. Blau Trust PO Box 2768 Danville, CA 94526

Subject: 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 report entitled, "Work Plan for Additional Site Assessment and Results of Detailed Well Survey," dated September 29, 2010 (Work Plan). The Work Plan, which was prepared by Stantec Consulting Corporation on behalf of 7-Eleven, Inc., presents plans for installation and sampling of three groundwater monitoring wells.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comment below is 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. **Soil and Groundwater Analyses.** In addition to the proposed analyses, we request that soil and groundwater samples also be analyzed for TBA using EPA Method 8260.

TECHNICAL REPORT REQUEST

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

February 28, 2011 – Well Installation Report

Mr. Ken Hilliard Mr. Michael Blau RO0002999 October 25, 2010 Page 2

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

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

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

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

Damon Brown, Stantec Consulting Corporation, 3017 Kilgore Road, Suite 100, Rancho Cordova, CA 95670 (Sent via E-mail to: damon.brown@stantec.com)

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

GeoTracker, File

Attachment B Well Installation Permits

ZONE

FOR APPLICANT TO COMPLETE

ZONE 7 WATER AGENCY

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

FOR OFFICE USE

DRILLING PERMIT APPLICATION

LOCATION OF PROJECT 7-Floren Store # 32766 1339 North Vasco Road, Livermore, CA	PERMIT NUMBER 2011007 WELL NUMBER 2S/2E-35G9 to 35G11 (MW-1 to MW-3) APN 099B-8122-001-00
Coordinates Source ft. Accuracy∀ ft. LAT: ft. LONG ft. APN	PERMIT CONDITIONS (Circled Permit Requirements Apply)
CLIENT Name 7-Eleven, Inc. (10 Stanter Address P.O. Box 711 Phone (916) 861-0400 City Dallas, Tx Zip 95221 APPLICANT Name Patrick Herrmann Email patrick herrmann Email patrick herrmann Color Rancho (2000) 861-0400 City Rancho (2000) (A Zip 95670	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
TYPE OF PROJECT: Well Construction	 Minimum surface seal diameter is four inches greater than the well casing diameter. 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. Grout placed by tremie. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements. A sample port is required on the discharge pipe near the wellhead.
DRILLING METHOD: Mud Rotary Air Rotary Hollow Stem Auger Cable Tool Direct Push Other DRILLING COMPANY WDC Exploredism_and walls DRILLER'S LICENSE NO 283326	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.
WELL SPECIFICATIONS: Drill Hole Diameter 2 in. Maximum Casing Diameter 2 in. Depth 25 ft. Surface Seal Depth 9 ft. Number 1, 11w-2 and 11w-3	 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
SOIL BORINGS: Number of Borings	tremie.
ESTIMATED STARTING DATE December 6, ZO10 ESTIMATED COMPLETION DATE December 10, ZO10	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.
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68 APPLICANT'S SIGNATURE Date 11/8/10 ATTACH SITE PLAN OR SKETCH	Approved Wyman Hong Date 1/27/11

Attachment C Field Notes

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.220.0600
SITE ADDRESS:	1339 North Vasco Road	START DATE:	2/23/2011
	Livermore, California	DATE PREPARED:	2/15/2011
PREPARED FOR:	Colin Ryan	PREPARED BY:	Patrick Herrmann
	CITE VI	ICITATION DEDODT	
		ISITATION REPORT	W. 0
***************************************		e: 2/23/10 Did you	call in? (Yes) No Portrick Herman
Arrival Time: Scill Weather Notations:		e: Who did you call? RAIN SNOW	Temperature F
vveather inotations.	CLOOD!	IVAII4 OI4OVV	remperature
	Г	DRUM INVENTORY	
2 5			5U TOD 8
L Vecc	SOIL	CARBON TOTAL OP EMPTY TOTAL BUI	
	HEALTH A	AND SAFETY ASSESSMENT	
PPE			
Slips Trips 1	Fally		
Fest/Cor T-	Re		
à	DESCRIPTION O	F ACTIVITIES ONSITE AND N	OTES
8:15- Arrived a	insite, reviewed HASP		
-Called in	to Patrick Hermann		
Spoke wi	th store manager regarding	m todays scale of word	
	ic truck arrives onsit		
		<u> </u>	
-Held Has			
7:05-Begin S	setup on MW-3	1 -	h
-Generalin	r out on vae truck, H	my need to jump-start	their battery
	rillers arrive ansite		
10:30- Using 0	crtable generator to do s	sew-cute in asphalt	
10:46 - MW 33	MW-1 Sawrut Comp	lete	
	deared to 6 bas		
- 0-40	ocations to clear NW	I Box dellin MI	S-14
13:20 0 10	C I I	at Daly author Ser	
12:30- Break			
1:00 - Return	trom lunch	20 - 1	
1:15 - Kast si	ample taken from MI	W-3@ 25 bgs	
- Begin	setting well	*	
1:55- MW-2	cleared to 6 bgs		
	imple taken from MW.		

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.220.0600
SITE ADDRESS:	1339 North Vasco Road	START DATE:	2/23/2011
	Livermore, California	DATE PREPARED:	2/15/2011
PREPARED FOR:	Colin Ryan	PREPARED BY:	Patrick Herrmann
L	DECODIDATION OF ACTIV	ITIES ON OUTE AND TO	IOTEO (
	DESCRIPTION OF ACTIV		IUTES (cont)
Field Work Conducte		Date: 2/23/11	
4100- Begin			
5:ca Well bu	ist, begin betting well	-	
6:00- MW-100	implete, site clean, lea	ve for office	
7 .	Daya	2/24/11	
7: co- Armed	onsite reviewed HASP,	Called in to Damon	Grown
- Tayed	MW-1 6 8.50 by		The state of the s
Tagged	MW-3@ 9.36'bgs	e de la companya del companya de la companya del companya de la co	namen na
7:50- WDC am	vas ansite		
-Held H+	s meeting		
	etup on MW-2		
	nes w/ Zone 7 Water Age	ency arrives onribe.	to view work finished
Work	J		
8:40-JeA J.	nos leaves sito		
8:45- Bein a			
7:35- Final same			
	Hing well + removing as	~	
All Wells Cons	fricted to 20 bys with	15' of 1070'	'Slatted Coman P
5 to 2	the	19 04 0000	Similed > Creen tram
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2-CU 3178 (son, tave for Jacan	reinto	7
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[IOD NAME	7 []			IOD NI MASSE	044500007.000.0000
JOB NAME:	7-Eleven Stor			_ JOB NUMBER:	211502037.220.0600
SITE ADDRESS:	1339 North Va			_START DATE:	3/1/2011
PREPARED FOR:	Livermore, Ca	нютна		_ DATE PREPARED: PREPARED BY:	2/25/2011 Patrick Herrmann
L VELAVED LOK:	Colin Ryan			FREFARED D1.	FAUICK FICHMANN
_		SITE	E VISITATION	N REPORT	
Name(s)	din Ryan		3/1/11	Did you call in?	(Yes) No
Arrival Time: 810		 Departure Time:		Who did you call?	Damon Brun
Weather Notations:	SUN	CLOUDY	RAIN	SNOW	TemperatureF
			DRUM INVEN	TORY	
4	WATER		CARBON	TOTAL OP	EN TOP /O
<u></u>	SOIL		EMPTY	TOTAL BUI	······································
		HEAL	TH AND SAFETY	ASSESSMENT	
862	<u> </u>				
Fut Car T	- (f. c				
51:-17:1	Cilc				
-2001 100 last	12017				
			· · · · · · · · · · · · · · · · · · ·		
		DESCRIBTIO	N OF ACTIVITIES	ONSITE AND NOTES	
8:00-Arrived	meite ca		~ £	adata.	
<u></u>	1. 0	1	. /		(462)
Sooke - Spoke			/	cope of work	
8:42- MDC 0	crives onsi	ite, held Hr	S meeting		
- begin	Septo or	· WM-Y	<i>J</i>	-	
11:15-20'90	llong pursu	d begin	amping unt	er + taking 1	garameters
11:30-25 3	Many ourse	d, readings	token	J '	•
- Reain	etin m	MW-I			
- Begin	- link				
12:30- Return	Car I. no	k	•		
15-30- VEINL	INDEA INTE				
-begin s	vair nu		^		
2:00- MW-1 de	eveloped, mo	re locations	to MW-3		<u> </u>
3:45- MW-3 de	eveloped, be	gin site c	leanup + wo	ter transfer to	drums
5:00-Ste de	an 2 Drai	water do	ms left a	site	
-1	Or Society	oto.			
- PANC	OR Such lake				

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.220.0600	
SITE ADDRESS:	1339 North Vasco Road	START DATE:	3/1/2011	
	Livermore, Californía	DATE PREPARED:	2/25/2011	
PREPARED FOR:	Colin Ryan	PREPARED BY:	Patrick Herrmann	
i				

GROUNDWATER GAUGING FORM

MEASURED TO TOC

WELL I.D.	CONST. DTB	WELL DIAM.	WELL ELEV. TOC	DTB	DTW	DTP/PT	D.O, (mg/L)	COMMENTS Please note if well needs locking cap or street box repair
MW-1	B 20	2"		19.15	7.97	1		
MW-2	20	2"		19.41	8.32			
MW-3	20	2"		20.24	9.00	,		

WELL DEVELOPMENT LOG

Project Number	211502037.2	20.0600		Well	MW-1			
Project Name	7-Eleven Sto	re #32266	4	Development	Subcontrac	tor	DC	
Performed/Super	vised <u>woc</u>	Stante	<u> </u>					
Development Met	thod /	Airlift	Sub. Pump	Surge	Block	Bailer	Other	
Development Crit	eria <u>(0</u>	Casina	rolumes				,	
Equipment Clean	ing Method	J						
Field Instruments	Used							
Development Wa	ter Disposal M	ethod <u></u>	un (5	5gal)				
Comments								
			DEVELOP	MENT DAT	A			
Depth to Water:	Start 7.97	End 8.05	Ref. Poi	nt Elev.	Height Abo	ove Ground	Surface	
Total Depth:	Start /9.15	End <u>19.65</u>					· · · · · · · · · · · · · · · · · · ·	

Date	Time	Cumulative Discharge (gallons)	Turbidity	Conductivity	Color	рН	Temperature	Other
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			10540 E.	× No	I			
		- 10/6	10/1					
							,	
······································								

REMARKS:



1.15

valume purged.

WDC EXPLORATION WELLS WELL DEVELOPMENT DATA SHEET

WELL OR LOCATION MV-1

PROJECT		EVENT		SAMPLER/	nc	DATE _	3-1-1	<u> </u>	
		Well type M	/	ACTION		TIME	PUMP		DTW
		(MW. EW, PZ, etc.)		Start Pump / Be	eain		(gp	'''')	
_	→ d ←		Г						
		Diameter2	`						
Intake depth		J.	-	***************************************			***************************************		
		gal/ft. ca	sing						
- SWL									······································
(if above screen)		=TOP	-						
			, i r	Stop					
	4		- F	Sampled					
sw.7.97		=BOP		Final IWL	PH	RGE CALCULA	ΔΤΙΩΝ		
(if in screen)	The second secon		2115	111		Leve			
٠		Ass of	0.161	gal/ft. *	ft. =	one volume	gals. X 3	perge volume - 3 o	gal
Measured <u>19.15</u>		=TD						,-3	
TD Equipment Used / Sa	ampling Method / D	(as built) escription of Event:	2" = 0.165 gai/ft	t. 4" = 0.	65 gal/ft.	6" = 1.47 gal/ft.			
				Actu	al gallons pu	rged			
				Actu	al volumes p	uraed			
					·				
				Well	Yield ⊕				
Gallons Purged *	Temp °C	EC	рН	4	Turbidity	TDS Oth	er		.,,
			1 1						
		(us / cm)	<i>(*)</i>		(NTU)				
1. 2	18.9	Z809	7,5	0	41K	1417			
1. Z 2. 4	14.9	2809 2490	7.43	0	+1K +1K	1417			
1. 2	18.9 19.7 19.4	2809 2490 2380	7.43	o 3 7	+1k +1k	1417			
1. 2 2. 4 3. 6 4. 8	18.9 19.4 19.4 20.1	2809 2490	7.43	<i>o s s s s s s s s s s</i>	+1K +1K	1417			
1. 2 2. 4 3. 6 4. 3	18.9 19.4 19.4 20.1 20.5	2809 2410 2380	7.43 7.31 7.31 7.2	2 ·	+1k +1k	1417	ర	બ. કે	
1. 2 2. 4 3. 6 4. 8 5. (3	18.9 19.4 19.4 20.1 20.5 20.4	2809 2410 2380 2207	7.43 7.31 7.31 7.21	2 4	+1K +1K +1K +1K	1417 122 1191 1101	<u>خ</u>	9. B 7. 8	
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1. 2 2. 4 3. 6 4. 8 5. 10 6. 12 7. 14	18.9 19.4 19.4 20.1 20.5 20.4	2809 2410 2380 2207 2159 2126	7.43 7.31 7.31 7.2	2 .	+1K +1K +1K +1K	1417 122 1191 1101 1078	\$ 5	7.8	
1. 2 2. 4 3. 6 4. 8 5. (5 6. 12 7. 17 8. 16	18.9 19.4 19.4 20.1 20.5 20.4 20.3	2809 2410 2380 2207 2159 2126 2085 2093	7.43 7.31 7.31 7.21 7.11 7.11	2	+1k +1k +1k +1K +1K	1417 122 1191 1101 1078 1065	ર્ક ક	7.8 9.9 9.90	
1. 2 2. 4 3. 6 4. 3 5. (5) 6. 12 7. 17 8. 16	18.9 19.4 19.4 20.1 20.5 20.4 20.3 20.2	2809 2410 2380 2207 2159 2126 2085 2093 2027	7.43 7.31 7.21 7.11 7.1 7.1	2 4 7 5	+1k +1k +1k +1k +1k 893	1417 122 1191 1101 1078 1065 1045	\$ -	9.8	5
1. 2 2. 4 3. 6 4. 8 5. 6 6. 12 7. 17 8. 16 9. (4	18.9 19.4 19.4 20.1 20.5 20.7 20.3 20.2 20.5	2809 2410 2380 2207 2159 2126 2085 2093 2027 2045	7.43 7.31 7.2 7.1 7.1 7.1 7.1 7.1	2	+1K +1K +1K +1K +1K 293 579 ≥18	1417 122 1191 1101 1078 1045 1045 102	8 5 6	7.8 9.9 9.90 9.7	<u>5</u>
1. 2 2. 4 3. 6 4. 3 5. (D 6. 12 7. 17 8. 16 9. (4 10. 20 11. 22	18.9 19.4 19.4 20.1 20.5 20.4 20.3 20.2 20.5	2809 2410 2380 2207 2159 2126 2085 2093 2027	7.43 7.31 7.21 7.11 7.1 7.1	2	+1k +1k +1k +1k +1k 893	1417 122 1191 1101 1078 1065 1045 102	8 5 6	7. 8 9. 9 9. 90 9. 7	5 5
1. 2 2. 4 3. 6 4. 3 5. (5) 6. 12 7. 17 8. (6) 9. (6) 10. 20 11. 20	18.9 19.4 19.4 20.1 20.5 20.7 20.3 20.2 20.5	2809 2410 2380 2207 2159 2126 2085 2093 2027 2045	7.43 7.31 7.2 7.1 7.1 7.1 7.1 7.1	2 4 7 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	+1K +1K +1K +1K +1K 293 579 ≥18	1417 122 1191 1101 1078 1045 1045 102	6 3 6	7.8 9.9 9.90 9.7	<u>5</u>
1. 2 2. 4 3. 6 4. 3 5. (1) 6. 12 7. 17 8. (6) 9. (4) 10. 20 11. 22	18.9 19.4 19.4 20.1 20.5 20.7 20.3 20.2 20.5	2809 2410 2380 2207 2159 2126 2085 2093 2027 2045	7.43 7.31 7.2 7.1 7.1 7.1 7.1 7.1	2 4 7 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	+1K +1K +1K +1K +1K 293 579 ≥18	1417 122 1191 1101 1078 1045 1045 102	6 3 6	7.8 9.9 9.90 9.7	5 5
1. 2 2. 4 3. 6 4. 8 5. 6 1. 17 8. 16 9. 14 10. 20 11. 22	18.9 19.4 19.4 20.1 20.5 20.7 20.3 20.2 20.5	2809 2410 2380 2207 2159 2126 2085 2093 2027 2045	7.43 7.31 7.2 7.1 7.1 7.1 7.1 7.1	2 4 7 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	+1K +1K +1K +1K +1K 293 579 ≥18	1417 122 1191 1101 1078 1045 1045 102	6 3 6	7.8 9.9 9.90 9.7	5 5

WELL DEVELOPMENT LOG

Project Number	211502037.220.0	0600	Well		MM-7	
Project Name	7-Eleven Store	#32266	Deve	lopment Subcontr	actor_ WD(
Performed/Super	vised woc/Gl	lin Ryan		A Marian Marian Commission of the Commission of	nest"	
Development Met	hod Airlit	ft Sub. F	Pump)	(Surge Block)	(Bailer)	Other
Development Crit	eria <u>(O) C</u>	asing volum	વ્યુ			
Equipment Clean	ing Method	,				
Field Instruments	Used					*****
Development Wa	ter Disposal Metho	od 55gallon	dom			
Comments		•				
		DEVE	LOPMEN	T DATA		
Depth to Water:	Start % 33 En	id %: 75 Re	f. Point Elev	/ Height A	bove Ground S	iurface
Total Depth:	- ·	id <u>19.61</u>	ii. i Oille ElG	· ricigilt A	DOVE CHOUNT C	

Date	Time	Cumulative Discharge (gallons)	Turbidity	Conductivity	Color	рН	Temperature	Other
3/1/11								
				13/				
			Sobusi	V0°)			:
		Scroon	ner					
		()	70%					
			C-parameter - parameter - para					

REMARKS:



WDC EXPLORATION WELLS WELL DEVELOPMENT DATA SHEET

WELL OR LOCATION NW-2

		EVENT	SAMPL			PUMP RATE	T
		Well type		ACTION	TIME	(gpm)	Ē
		(MW, EW, PZ, etc.)		ump / Begin			
	→ d ←	Diameter 2"	j* . f				9
Intake depth		Diameter		P 11 28			
		gal/ft. ca	sing				
- swl 4,30							
(if above screen)		=TOP	Stop				
jter			Sample	ed e			
	THE STATE OF THE S		Final IV				
SWL		=BOP	↓ ↓		PURGE CALCULATION		
(If in screen)			0.165 gal/ft	t. * 1/1/1 ft. =	1, 33 gals	X 3	
Measured 171,41	4	70	<u> </u>	SWL to TD	one volume	purge volume - 3	3 casir
Measured [1] [1] TD	<u> </u>	=TD (as built)	2" = 0.165 gal/ft.	4" = 0.65 gal/ft.	6" = 1.47 gal/ft.		mmun
Equipment Used / S	ampling Method / I	Description of Event:			•		
				Actual gallons	purged		,
				Actual volumes	s purged		_
				Well Yield ⊕	***************************************	***************************************	
Gallons Purged *	Temp °C	EC (us) cm)	рН	Turbidity (NTU)	TPS Other	DTL	
1 2/-	12.4	2965	7.37	(((1))	1463		
	16.9	2596	7.34	i i	1292		
2 4			7.40		1380		
2. ! L'	16.0	1 1/58		1			
2. <i>f</i> 3. 6	16.0 17.0	2758			:		
2. 1 3. 6 4. 4	17.0	2572	7.28		12 50	944	
2. 1 3. 6 4. 4 5. 10	17.0 15.8	2572 2683	7.28		12 50	9.44	
2. 1 3. 6 4. & 5. (O 6. 12	17.0 15.8 [6.7	2572 2683 2602	7.28 7.24 7.20		12 50 1340 1304	10.26	
2. 1 3. 6 4. 8 5. 10 6. 12 7. 14	17.0 15.8 [6-7 17.0	2572 2683 2602 2585	7.28 7.24 7.20 7.16	27-	12 50 1340 1304 1265	10.20	
2. 1 3. 6 4. 4 5. 10 6. 12 7. 14 8. 16	17.0 15.8 [6.7 17.0	2572 2683 2602 2585 2593	7.28 7.24 7.20 7.16 7.14	877	12 59 1340 1304 1265 1308	10.26	1
2. 1 3. 6 4. 4 5. 10 6. 12 7. 14 8. 16 9. 14	17.0 15.8 [6.7 17.0 17.2	2572 2683 2602 2585 2593 2535	7.28 7.29 7.20 7.16 7.14 7.19	397	12 50 1340 1304 1265 1308	10.20	1
2. 1 3. 6 4. 4 5. 10 6. 12 7. 14 8. 16 9. 14	17.0 15.8 16.7 17.0 17.2 17.2	2572 2683 2602 2585 2593 2535 2535	7.28 7.24 7.20 7.16 7.14 7.19 7.13	397	12 89 1340 1304 1265 1308 1278	10.26	1
2. 1 3. 6 4. 8 5. 10 6. 12 7. 14 8. 16 9. 14	17.0 15.8 [6.7 17.0 17.2	2572 2683 2602 2585 2593 2535	7.28 7.29 7.20 7.16 7.14 7.19	397	12 50 1340 1304 1265 1308	10.20	1
2. 1 3. 6 4. 4 5. 10 6. 12 7. 14 8. 16 9. 14	17.0 15.8 16.7 17.0 17.2 17.2	2572 2683 2602 2585 2593 2535 2535	7.28 7.24 7.20 7.16 7.14 7.14 7.13 7.13	397	12 89 1340 1304 1265 1308 1278	10.20	1
2. 1 3. 6 4. 8 5. 10 6. 12 7. 14 8. 16 9. 14 10. 2.0 11. 23	17.0 15.8 16.7 17.0 17.2 17.2	2572 2683 2602 2585 2593 2535 2535	7.28 7.24 7.20 7.16 7.14 7.19 7.13	397	12 89 1340 1304 1265 1308 1278	10.20	1
2. 1 3. 6 4. 4 5. 10 6. 12 7. 14 8. 16 9. 14 10. 23 11. 23	17.0 15.8 16.7 17.0 17.2 17.2	2572 2683 2602 2585 2593 2535 2535	7.28 7.24 7.20 7.16 7.14 7.14 7.13 7.13	397	12 89 1340 1304 1265 1308 1278	10.20	1

WELL DEVELOPMENT LOG

Project Number	211502037	220.0600	Well	<u></u>	3	
Project Name	7-Eleven S	tore #32266	Deve	elopment Subcontr	acto <u>r</u>	
Performed/Super	vised	·······				
Development Me	thod	Airlift (Su	ib. Pump	Surge Block	Bailer	Other
Development Crit	teria	10 casing	volumes		Managed Paragement of Physical Street, 1987.	
Equipment Clean	ing Method)				
Field Instruments	Used	···				
Development Wa	ater Disposal	Method 55	gellon don	^		
Comments						
		DE	VELOPMEN	IT DATA		
Depth to Water:	Start 9.00	End 9.05	Ref. Point Ele	ev Height A	bove Ground	Surface
Total Depth:	Start 20.24	End 20.35				

Date	Time	Cumulative Discharge (gallons)	Turbidity	Conductivity	Color	рН	Temperature	Other
			\9 [']					
		1 C	consi	100				
			aner.	1				
		0019	YON.					
							-	
							<u></u>	

REMARKS:



WDC EXPLORATION WELLS **WELL DEVELOPMENT DATA SHEET**

WELL OR LOCATION $M\omega - 3$

PROJECT		EVENT		SAMPLE	R_M<	DATE	<u> </u>	
	1.0	Vell type (Ma		AC	TION	TIME		PRATE
		Vell type / / / (MW, EW, PZ, etc.)		Start Pun	np / Begin		(9	pm) =
	→ d ←	,						
Intake depth		liameter <u>2</u>						
mere depin	c	165 gal/ft. ca	sing					
	_		•					
SWL	300			-				
(if above screen)	MATERIAL PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDR	=TOP		Stop				
				Sampled				
00	A CONTRACTOR OF THE PROPERTY O		F	Final IWL				
swL 3.0	The control of the co	=BOP	+			PURGE CALC		
(II III da ceny			0.165	gal/ft. *	12.24 f	t.= <u>2.0</u> で		
Measured 23.24	-	=TD			SWL to TD	one volter	e	purge volume - 3 casir
TD Fautoment Used / S	ampling Method / Des	(as built)	2" = 0.165 ga	i//t.	4" = 0.65 gal/ft.	6" = 1.47 g	al/ft.	
Equipment Osed / O	amping method i besi	subtion of Event.			Actual galle	ons purged		
					A of wall walls	man nursad		
		_		1	Actual voiu	mes purged		
					Well Yield	\oplus		
Gallons Purged *	Temp °C	EC /	* 3	оH	Turbi		Other	DTW
		(us / cm)		-	(NTI	J) /1/S		1012
1. 2.	20.2	24 48	7.3	·		125		
2. <u>Y</u>	19,5	<u> 2311 </u>	7.3			120	~~	
3. 6	19.5	2304	7.			11 4		
4. 3	14.5	1954	7.2			47		10.9
5. (<i>j</i>)	20.7	1639		<u> </u>		82		(年季)
6. 12	20.1	1639	7.			87	<i>O</i>	11.78
	20.0	1547	7.4			76	8	12.3
7. 14						70	57 ·	12.0
8. / 6	20.0	1570	7.		925	()	9 -	
	20.0	(570 (572	7,0	5	925	78		13.12
8. / 6	20.0 11.1 20.0	(570 (512 (587	7.0	57	924	79 78	:4	13.65
8. 16 9. 14 10. 20	20.0 11.1 20.0 19.4	(570 (512 (587 (618	7.0	57 79	924	79 78	8	13.65
8. 16 9. 14 10. 20 11. 22	20.0 11.1 20.0 19.9 70.0	(570 (512 (587	7.0	57 79	924	7 g	5 Y 2	13.65
8. 16 9. 14 10. 20 11. 21	20.0 11.1 20.0 19.1 70.0	(570 (512 (587 (618	7.0 7.0 7.1 7.1	5 57 09 1	924 947 EF 1+	79 78 1K 80	: 4 18 2 2-2	13.65
8. 16 9. 14 10. 20 11. 21 12. 24	20.0 11.1 20.0 19.9 70.0	(570 (512 (587 16 (8 (642	7.0	5 57 09 1	924 947 En +	79 78 1K 81 82	54 2 2 2 2	13.65

*Take measurement at approximately each casing volume purged.

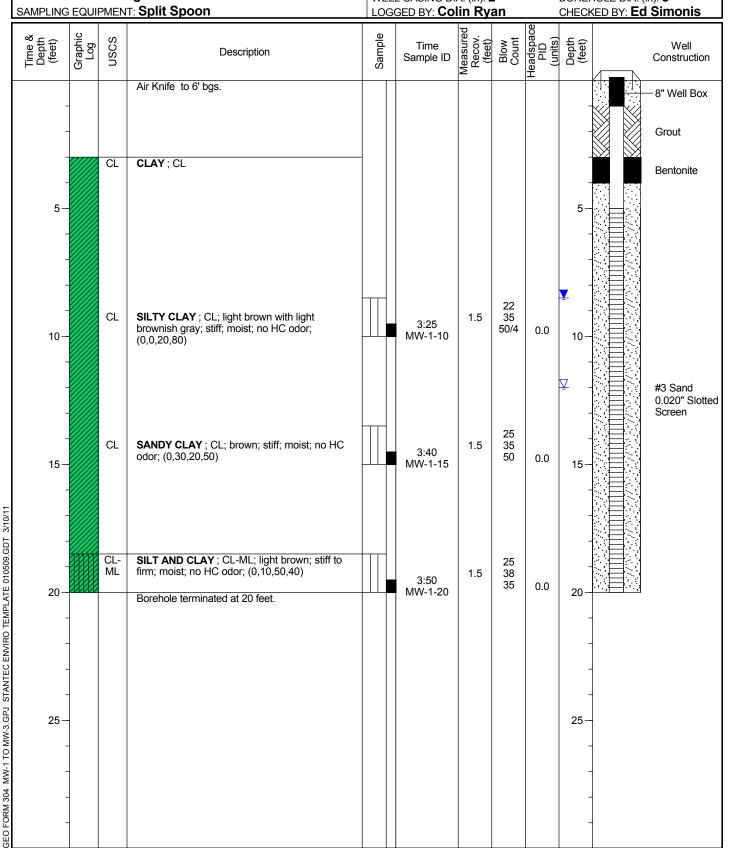
by reducing pump rate or cycling pump

later or riext day.

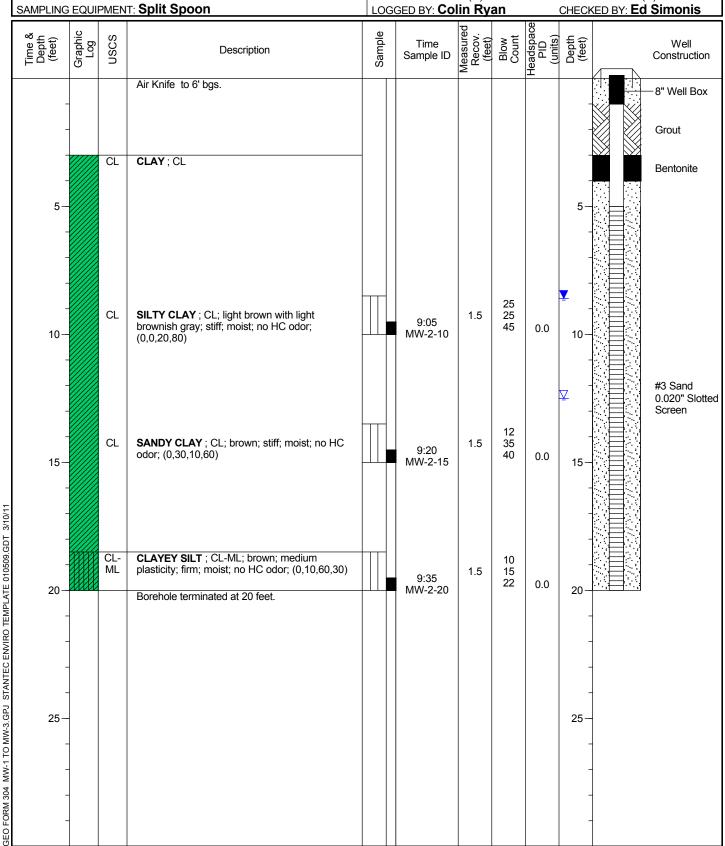
unable to purge 3 volumes.

Attachment D Soil Boring Logs

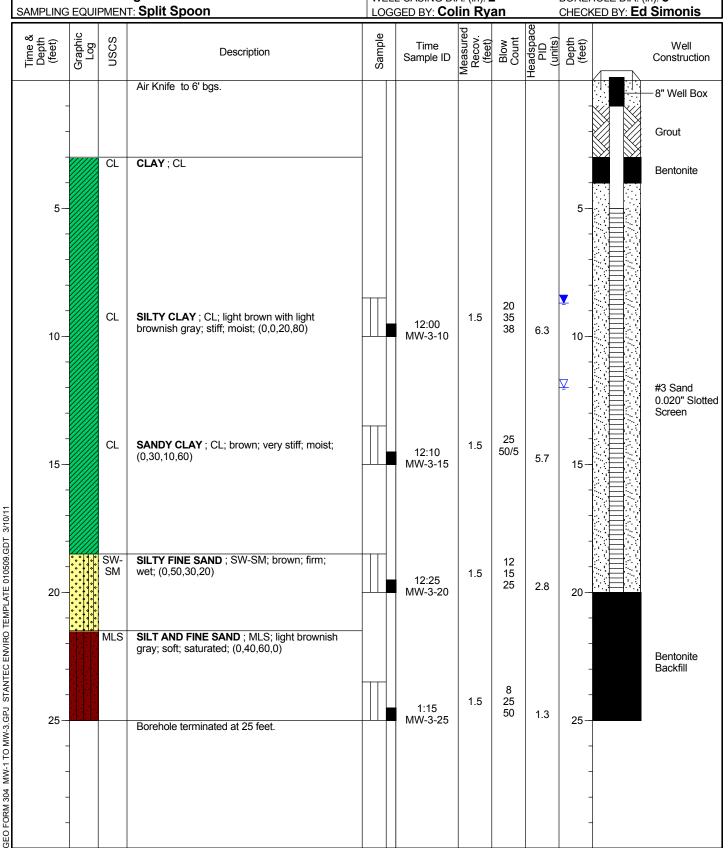
PROJECT: 7-Eleven Store # 32266 WELL / PROBEHOLE / BOREHOLE NO: LOCATION: 1339 Vasco Rd., Livermore, CA MW-1 PAGE 1 OF 1 PROJECT NUMBER: NORTHING (ft): EASTING (ft): DRILLING / INSTALLATION: LAT: LONG: STARTED **2/23/11** COMPLETED: GROUND ELEV (ft): TOC ELEV (ft): DRILLING COMPANY: WDC Drilling INITIAL DTW (ft): 12 WELL DEPTH (ft): 20.0 DRILLING EQUIPMENT: Hollow Stem BOREHOLE DEPTH (ft): 20.0 STATIC DTW (ft): 8.5 DRILLING METHOD: Auger WELL CASING DIA. (in): 2 BOREHOLE DIA. (in): 8



PROJECT: 7-Eleven Store # 32266 WELL / PROBEHOLE / BOREHOLE NO: LOCATION: 1339 Vasco Rd., Livermore, CA MW-2 PAGE 1 OF 1 PROJECT NUMBER: EASTING (ft): NORTHING (ft): DRILLING / INSTALLATION: LONG: LAT: STARTED **2/24/11** COMPLETED: GROUND ELEV (ft): TOC ELEV (ft): DRILLING COMPANY: WDC Drilling INITIAL DTW (ft): 12.5 WELL DEPTH (ft): 20.0 DRILLING EQUIPMENT: Hollow Stem BOREHOLE DEPTH (ft): 20.0 STATIC DTW (ft): 8.6 DRILLING METHOD: Auger WELL CASING DIA. (in): 2 BOREHOLE DIA. (in): 8



PROJECT: 7-Eleven Store # 32266 WELL / PROBEHOLE / BOREHOLE NO: LOCATION: 1339 Vasco Rd., Livermore, CA MW-3 PAGE 1 OF 1 PROJECT NUMBER: NORTHING (ft): EASTING (ft): DRILLING / INSTALLATION: LONG: LAT: STARTED 2/23/11 COMPLETED: GROUND ELEV (ft): TOC ELEV (ft): DRILLING COMPANY: WDC Drilling INITIAL DTW (ft): 12 WELL DEPTH (ft): 25.0 DRILLING EQUIPMENT: Hollow Stem BOREHOLE DEPTH (ft): 25.0 STATIC DTW (ft): 8.7 DRILLING METHOD: Auger WELL CASING DIA. (in): 2 BOREHOLE DIA. (in): 8



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



Date: 03/01/2011

Laboratory Results

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

Subject: 7 Soil Samples

Project Name: 7-Eleven Store #32266 Project Number: 211502037.220

Dear Mr. Brown,

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

Sincerely,



Date: 03/01/2011

Subject: 7 Soil Samples

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Case Narrative

Tert-Butanol results for samples MW-3-10, MW-3-20 and MW-3-25 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (up to 5%) converts to Tert-Butanol during the analysis of soil samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 3:1.



Date: 03/01/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: MW-1-10 Matrix: Soil Lab Number: 76545-01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 22:54
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/25/11 22:54
1,2-Dichloroethane-d4 (Surr)	108		% Recovery	EPA 8260B	02/25/11 22:54
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/25/11 22:54



Date: 03/01/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: MW-1-20 Matrix: Soil Lab Number: 76545-03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 12:44
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/28/11 12:44
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	02/28/11 12:44
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	02/28/11 12:44



Date: 03/01/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: MW-2-10 Matrix: Soil Lab Number: 76545-04

Sample Date :02/24/2011		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 21:25
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/28/11 21:25
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	02/28/11 21:25
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	02/28/11 21:25



Date: 03/01/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: MW-2-20 Matrix: Soil Lab Number: 76545-06

Cample Date .02/24/2011		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/11 20:47
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/28/11 20:47
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	02/28/11 20:47
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	02/28/11 20:47



Date: 03/01/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: MW-3-10 Matrix: Soil Lab Number: 76545-07

Sample Date .02/23/2011		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Methyl-t-butyl ether (MTBE)	0.33	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
Tert-Butanol	0.0082 J	0.0050	mg/Kg	EPA 8260B	02/25/11 23:32
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/25/11 23:32
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	02/25/11 23:32
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/25/11 23:32



Date: 03/01/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: MW-3-20 Matrix: Soil Lab Number: 76545-09

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Methyl-t-butyl ether (MTBE)	0.22	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
Tert-Butanol	0.053 J	0.0050	mg/Kg	EPA 8260B	02/26/11 00:41
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/26/11 00:41
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	02/26/11 00:41
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	02/26/11 00:41



Date: 03/01/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: MW-3-25 Matrix: Soil Lab Number: 76545-10

		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Methyl-t-butyl ether (MTBE)	0.084	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
Tert-Butanol	0.010 J	0.0050	mg/Kg	EPA 8260B	02/26/11 01:16
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/26/11 01:16
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	02/26/11 01:16
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	02/26/11 01:16

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

Parameter	Measured Value	Method Reporting Limit) Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/25/2011
1,2-Dichloroethane-d4 (Surr)	106		%	EPA 8260B	02/25/2011
Toluene - d8 (Surr)	99.6		%	EPA 8260B	02/25/2011
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/28/2011
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/28/2011
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	02/28/2011
Toluene - d8 (Surr)	97.5		%	EPA 8260B	02/28/2011

		Method	l		
	Measured	Reporti	ng	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed

Date: 03/01/2011

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

QC Report : Matrix Spike/ Matrix Spike Duplicate

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.	Duplicat Spiked Sample Percent Recov.		Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	76545-01	<0.0050	0.0372	0.0395	0.0258	0.0336	mg/Kg	EPA 8260B	2/25/11	69.4	85.1	20.3	67.9-120	25
Diisopropyl ether														
	76545-01	<0.0050	0.0372	0.0395	0.0293	0.0347	mg/Kg	EPA 8260B	2/25/11	78.6	87.8	11.0	65.2-122	25
Ethyl-tert-butyl ethe														
Ethylhonzono	76545-01	<0.0050	0.0372	0.0395	0.0264	0.0344	mg/Kg	EPA 8260B	2/25/11	70.8	87.1	20.6	64.6-122	25
Ethylbenzene	76545-01	<0.0050	0.0372	0.0395	0.0291	0.0353	ma/l/a	EPA 8260B	2/25/11	78.1	89.2	13.3	65.5-127	25
Methyl-t-butyl ether		\0.0050	0.0372	0.0393	0.0291	0.0333	ilig/Kg	EFA 0200D	2/23/11	70.1	09.2	13.3	05.5-127	25
	76545-01	<0.0050	0.0371	0.0394	0.0268	0.0350	ma/Ka	EPA 8260B	2/25/11	72.1	88.9	20.9	57.0-122	25
P + M Xylene		0.000			0.0200	0.000			_,,		55.5	_0.0		
	76545-01	<0.0050	0.0372	0.0395	0.0304	0.0377	mg/Kg	EPA 8260B	2/25/11	81.6	95.4	15.6	62.5-124	25
Tert-Butanol														
	76545-01	<0.0050	0.186	0.198	0.140	0.164	mg/Kg	EPA 8260B	2/25/11	75.1	82.9	9.88	64.3-122	25
Tert-amyl-methyl e	ther													
	76545-01	<0.0050	0.0373	0.0396	0.0291	0.0368	mg/Kg	EPA 8260B	2/25/11	78.1	92.9	17.3	64.9-122	25
Toluene														
	76545-01	<0.0050	0.0372	0.0395	0.0269	0.0328	mg/Kg	EPA 8260B	2/25/11	72.3	83.1	13.9	65.7-120	25

Date: 03/01/2011

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

QC Report : Matrix Spike/ Matrix Spike Duplicate

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.		Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	76545-03	<0.0050	0.0397	0.0394	0.0334	0.0340	mg/Kg	EPA 8260B	2/28/11	84.1	86.1	2.42	67.9-120	25
Diisopropyl ether														
	76545-03	<0.0050	0.0397	0.0394	0.0330	0.0337	mg/Kg	EPA 8260B	2/28/11	83.1	85.4	2.77	65.2-122	25
Ethyl-tert-butyl ethe	er													
	76545-03	<0.0050	0.0397	0.0395	0.0331	0.0337	mg/Kg	EPA 8260B	2/28/11	83.4	85.4	2.38	64.6-122	25
Ethylbenzene														
	76545-03	<0.0050	0.0397	0.0394	0.0364	0.0359	mg/Kg	EPA 8260B	2/28/11	91.7	91.0	0.848	65.5-127	25
Methyl-t-butyl ether	•													
	76545-03	<0.0050	0.0395	0.0393	0.0344	0.0344	mg/Kg	EPA 8260B	2/28/11	87.0	87.6	0.640	57.0-122	25
P + M Xylene														
	76545-03	<0.0050	0.0397	0.0394	0.0383	0.0382	mg/Kg	EPA 8260B	2/28/11	96.6	96.8	0.151	62.5-124	25
Tert-Butanol														
.	76545-03	<0.0050	0.198	0.197	0.158	0.161	mg/Kg	EPA 8260B	2/28/11	79.7	81.6	2.40	64.3-122	25
Tert-amyl-methyl e														
Tabaaaa	76545-03	<0.0050	0.0397	0.0395	0.0343	0.0351	mg/Kg	EPA 8260B	2/28/11	86.4	88.8	2.78	64.9-122	25
Toluene														
	76545-03	<0.0050	0.0397	0.0394	0.0337	0.0336	mg/Kg	EPA 8260B	2/28/11	84.9	85.1	0.225	65.7-120	25

QC Report : Laboratory Control Sample (LCS)

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

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit	
Benzene	0.0378	mg/Kg	EPA 8260B	2/25/11	91.1	67.9-120	
Diisopropyl ether	0.0378	mg/Kg	EPA 8260B	2/25/11	91.5	65.2-122	
Ethyl-tert-butyl ether	0.0378	mg/Kg	EPA 8260B	2/25/11	91.8	64.6-122	
Ethylbenzene	0.0378	mg/Kg	EPA 8260B	2/25/11	97.0	65.5-127	
Methyl-t-butyl ether	0.0377	mg/Kg	EPA 8260B	2/25/11	95.3	57.0-122	
P + M Xylene	0.0378	mg/Kg	EPA 8260B	2/25/11	102	62.5-124	
Tert-Butanol	0.189	mg/Kg	EPA 8260B	2/25/11	87.6	64.3-122	
Tert-amyl-methyl ether	0.0378	mg/Kg	EPA 8260B	2/25/11	96.9	64.9-122	
Toluene	0.0378	mg/Kg	EPA 8260B	2/25/11	90.5	65.7-120	
Benzene	0.0400	mg/Kg	EPA 8260B	2/28/11	88.8	67.9-120	
Diisopropyl ether	0.0400	mg/Kg	EPA 8260B	2/28/11	89.6	65.2-122	
Ethyl-tert-butyl ether	0.0400	mg/Kg	EPA 8260B	2/28/11	91.0	64.6-122	
Ethylbenzene	0.0400	mg/Kg	EPA 8260B	2/28/11	98.3	65.5-127	
Methyl-t-butyl ether	0.0399	mg/Kg	EPA 8260B	2/28/11	95.2	57.0-122	
P + M Xylene	0.0400	mg/Kg	EPA 8260B	2/28/11	104	62.5-124	
Tert-Butanol	0.200	mg/Kg	EPA 8260B	2/28/11	88.7	64.3-122	
Tert-amyl-methyl ether	0.0400	mg/Kg	EPA 8260B	2/28/11	95.2	64.9-122	
Toluene	0.0400	mg/Kg	EPA 8260B	2/28/11	89.8	65.7-120	

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Project # 21150203	7.220	Task#	0400											Analysis	Reques	st			
Project Manager <u>Dame</u> Laboratory <u>Kiff Analy</u>	on Brown					(ylı	H 418.1	Se	(WS)	latiles	ganics IS)		m					ainers	
Sampler's Name Colin	alil			Q	TPHG & BTEX by EPA 8260B	Hd (Diesel Or 15 (modified)	TPH 418.1/WTPH	omatic Volatile 2/8020	Volatile rganics 624/8240 (q=GC/MS)	Halogenated Vo 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	5 Oxygenates by EPA 8260B					Comments/	Number of Containers	
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Page 14 of 15

Date: 2 24 11

Page 1 of 1



SAMPLE RECEIPT CHECKLIST 76545 Date:

RECEIVER	
CIY	
Initials	

	SRG#:	76545	5	·	Date: O	22511
	Project ID:	7-Eleve		#322	66_	
	Method of Rec	eipt: 🔀 🗘	ourier [Over-the-cour	nter	Shipper
COC Inspection Is COC present? Custody seals on sh Is COC Signed by Is sampler name leg Is analysis or hold Is the turnaround ti Is COC free of whi	Relinquisher? gibly indicated o requested for all me indicated on	Yes COC? samples COC?		Dated? Yes Yes Yes Yes Yes Yes	act	No Broken Not present N/A No No No No No No No No No No, Whiteout No, Cross-outs
Sample Inspection Coolant Present: Temperature °C Are there custody s Do containers match Are there samples of Are any sample con Are preservatives of Are preservatives of Are samples within Are the correct sam Is there sufficient s Does any sample con Receipt Details Matrix Matrix Matrix Date and Time Sam	Therm eals on sample containers broken, indicated? orrect for analys holding time for apple containers upon the container of	ontainers? Yes No an soil, water, a leaking or dama Yes, on sam es requested? r analyses requested for the anala testing? ave strong odo er type er type	No, COOn NO,	Day Day Inta	nct nple(s) s, on COC to be hot? receivedreceived	Broken Not present No, Extra sample(s) present No No No Not indicated N/A No No No No Yes
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Date: 03/04/2011

Laboratory Results

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

Subject: 1 Soil Sample

Project Name: 7-Eleven Store #32266 Project Number: 211502037.220

Dear Mr. Brown,

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

Sincerely,



Date: 03/04/2011

Project Name: 7-Eleven Store #32266

Project Number: 211502037.220

Sample: SP1(ABCD) Matrix: Soil Lab Number: 76546-01

Sample Date .02/24/2011	Manageman	Method		A a la cal·a	Data /Time
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Lead	7.6	0.50	mg/Kg	EPA 6010B	02/28/11 14:14
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 15:06
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 15:06
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 15:06
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 15:06
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/11 15:06
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/26/11 15:06
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	104 99.6		% Recovery % Recovery	EPA 8260B EPA 8260B	02/26/11 15:06 02/26/11 15:06

Date: 03/04/2011

QC Report : Method Blank Data

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

	Measured	Method	a	Analysis	Date
Parameter	Value	Reportin Limit	g <u>Units</u>	Analysis Method	Analyzed
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	03/02/2011
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2011
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	02/25/2011
1,2-Dichloroethane-d4 (Surr)	106		%	EPA 8260B	02/25/2011
Toluene - d8 (Surr)	99.6		%	EPA 8260B	02/25/2011

		Method			
	Measured	Reportin	ıg	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed

Date: 03/04/2011

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

QC Report : Matrix Spike/ Matrix Spike Duplicate

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	e Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicat Spiked Sample Percent Recov.	Relative	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	76545-01	<0.0050	0.0372	0.0395	0.0258	0.0336	mg/Kg	EPA 8260B	2/25/11	69.4	85.1	20.3	67.9-120	25
Ethylbenzene														
Mathy I t but I athan	76545-01	<0.0050	0.0372	0.0395	0.0291	0.0353	mg/Kg	EPA 8260B	2/25/11	78.1	89.2	13.3	65.5-127	25
Methyl-t-butyl ether	76545-01	<0.0050	0.0371	0.0394	0.0268	0.0350	ma/Ka	EPA 8260B	2/25/11	72.1	88.9	20.9	57.0-122	25
P + M Xylene	70040-01	<0.0050	0.0371	0.0394	0.0200	0.0330	mg/Kg	EFA 0200B	2/23/11	72.1	00.9	20.9	57.0-122	25
·	76545-01	<0.0050	0.0372	0.0395	0.0304	0.0377	mg/Kg	EPA 8260B	2/25/11	81.6	95.4	15.6	62.5-124	25
Toluene														
	76545-01	<0.0050	0.0372	0.0395	0.0269	0.0328	mg/Kg	EPA 8260B	2/25/11	72.3	83.1	13.9	65.7-120	25
Lead														
	76537-01	3.8	50.0	50.0	49.6	57.6	mg/Kg	EPA 6010B	2/28/11	91.7	108	14.8	75-125	20

Date: 03/04/2011

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

QC Report : Laboratory Control Sample (LCS)

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Lead	50.0	mg/Kg	EPA 6010B	2/28/11	105	85-115
Benzene	0.0378	mg/Kg	EPA 8260B	2/25/11	91.1	67.9-120
Ethylbenzene	0.0378	mg/Kg	EPA 8260B	2/25/11	97.0	65.5-127
Methyl-t-butyl ether	0.0377	mg/Kg	EPA 8260B	2/25/11	95.3	57.0-122
P + M Xylene	0.0378	mg/Kg	EPA 8260B	2/25/11	102	62.5-124
Toluene	0.0378	mg/Kg	EPA 8260B	2/25/11	90.5	65.7-120

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	Matrix Soil -C, and SP1- com ntec.com /	# 0400 Matrix Soil Recommended on the commendation of the c	# 0400 # Matrix Soil X Comparint Comparint Comparint Relinqu Sign Print Comparint Relinqu Sign Print Comparint Relinqu Sign Print	# 0400 Watrix Soil X Soil X Company Time 2:3 Relinquishe Sign Print Col Company Time 2:3 Relinquishe Sign Print Company Time 2:3	# 0400 # Matrix Soil X Soil X A Light (Diesel Only): Sign Print Colin Ry Company Star Time 2:30 Relinquished by: Sign Print Colin Ry Company Star Time 2:30 Relinquished by: Sign Print Company Relinquished by: Sign Print Company	# 0400 # 0400 HCD	-C, and SP1- Relinquisted by: Sign Print Colin Ryan Company Sign Print Company Relinquished by: Sign Print Company	# 0400 # 0400 Watrix Company Company -C, and SP1- Sign Company -C, and SP1- Colin Ryan -C, and Sp1- Colin Ryan -C, and Sp1- Company -C, and S	# 0400 Company Compan	# 0400 # 0400 # 0400 # Addit Job Name Location: # Add (Company States Components Company States Components Compo	# 0400 # 0400 Additional Job Name: Location:	Additional doc Job Name: 7-E	Job Name: 7-Eleven 1339 Non	Additional documents are Job Name: 7-Eleven Sto Location: 1339 North V Livermore, C Analysis Reques Watrix A Soil X Relinquis/ed/by: A Soil X Relinquis/ed/by: A Soil X Received by: Sign Print Company Stantec Time 2:50 Date 2/2y/11 Time Date Received by: Sign Print Company Stantec Time 2:50 Date 2/2y/11 Time Date Received by: Sign Print Company Stantec Time 2:50 Date 2/2y/11 Received by: Sign Print Company Stantec Time 2:50 Date 2/2y/11 Received by: Sign Print Company Stantec Time 2:50 Date 2/2y/11 Received by: Sign Print Company Stantec Time 2:50 Date 2/2y/11 Received by: Sign Print Company Stantec Time 2:50 Date 2/2y/11 Received by: Sign Print Company Stantec Time Compan	Additional documents are attached, a Job Name: Location: T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #32266 1339 North Vasco Road Livermore, CA T-Eleven Store #3226 1339 North Vasco Road Livermore, CA T-Eleven Store #3226 1339 North Vasco Road Livermore, CA T-Eleven Store #3226 1339 North Vasco Road Livermore, CA T-Eleven Store #3226 1339 North Vasco Road Livermore, CA T-Eleven S	Additional documents are attached, and are part of this Record. Job Name: Location: 7-Eleven Store #32266 1339 North Vasco Road Livermore, CA Analysis Request Analysis Request Comments/ Instructions A Soil X Please Composite 4 into 1 Relinquis/Ped/My Sign Print Company Company Stantec Tompany Received by: Sign Print Relinquished by: Sign Print Company Relinquished by: Sign Print Company Received by: Sign Print Company Company Received by: Sign Print Company Com

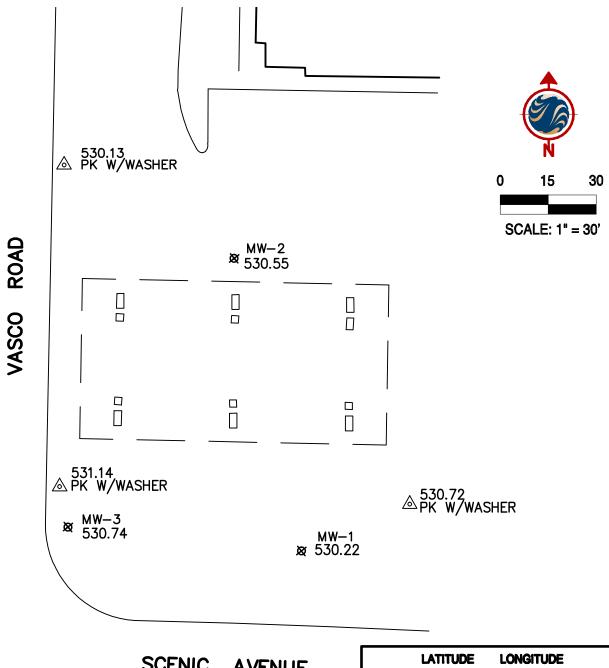


SAMPLE RECEIPT CHECKLIST

RECEIVER	
CIX	
Initials	

	SRG#:	16	746		Date:	022511	
	Project ID:	7-E	leven	Store.	#32266	•	_
	Method of Re		Courier		the-counter	Shipper	
COC Inspection Is COC present? Custody seals on shi Is COC Signed by R Is sampler name leg Is analysis or hold re Is the turnaround tim Is COC free of white	Relinquisher? ibly indicated equested for al ne indicated or	Yes on COC? I samples of COC?	□ No outs?	Dated?	Yes Intact Yes Yes Yes Yes Yes Yes Yes	☐ No ☐ No ☐ No ☐ No	fot present ♠N/A t □ No, Cross-outs
Sample Inspection Coolant Present: Temperature °C Are there custody se Do containers match Are there samples in Are any sample con Are preservatives in Are preservatives co Are samples within Are the correct samples there sufficient sa Does any sample co Receipt Details Matrix Matrix Matrix Date and Time Sam	eals on sample of COC? natrices other that tainers broken, dicated? prrect for analy holding time for the containers ample to perforntain product, Contain Contain Contain	m. ID# containers? Yes	No No, Coter, air or cardamaged? sample conted? requested? analyses requested?	cOC lists abbon? cainers uested? therwise su # of cor # of cor # of cor # of cor	Date/Time	No No No No No No No No Yes	N/A Not present mple(s) present N/A N/A N/A N/A
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COMMENTS:					•	***	
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Attachment F Survey Map



SCENIC AVENUE

	LATITUDE	LONGITUDE	
MW-1	37.7172456	-121.7236444	530.22
MW-2	37.7174954	-121.7237213	530.55
MW-3	37.7172630	-121. 7238969	530.74
	NORTHING	EASTING	
MW-1	2085941.283	6207742.337	530.22
MW-2	2086032.540	6207721.306	530.55
MW-3	2085948.598	6207669.408	530.74

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MARCH, 2011 211502037



Stantec Consulting Inc.

1016 - 12th Street Modesto CA 95354

209.521.8986 Fax. 209.521.9045

www.stantec.com

Client/Project

7-ELEVEN STORE NO. 32266

Figure No.

Title

MONITORING WELL SURVEY