Shell Oil Products US

November 15, 2010

Re: Third Quarter 2010 Groundwater Monitoring Report
Shell-Branded Service Station
4212 (*aka* 4226) First Street
Pleasanton, California

Dear Mr. Jerry Wickham:

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.

Sincerely,
Shell Oil Products US

Denis L. Brown
Project Manager

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

November 15, 2010
Delta Project No. SCA421211D
SAP No. 135782

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: THIRD QUARTER 2010
GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
4212 (*aka* 4226) First Street
Pleasanton, California

DELTA

Dear Mr. Wickham:

On behalf of Equilon Enterprises LLC *dba* Shell Oil Products (Shell), Delta Consultants (Delta) has prepared this *Third Quarter 2010 Groundwater Monitoring Report* for the site referenced above. Field monitoring activities at the site were conducted by Blaine Tech Services, Inc. under direct contract to Shell and included the collection of groundwater samples and static water level measurements. Delta does not provide any oversight of Blaine Tech Services Inc's work or protocol. A Delta staff member performed an evaluation of the data provided to us under the supervision of a California Registered Civil Engineer or a California Professional Geologist.

This report represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

a member of: Inogen Environmental Alliance

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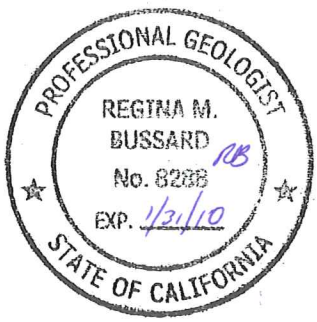
This site is included in a portfolio of sites which were transferred to Conestoga-Rovers & Associates (CRA) during the fourth quarter 2010. Future correspondence should be directed to the CRA Project Manager, Peter Schaefer, who can be reached at (510) 420-3319. If you have any questions regarding this site, please contact Suzanne McClurkin-Nelson (Delta Project Manager) at (408) 826-1875 or Denis Brown (Shell Site Manager) at (707) 865-0251.

Sincerely,
Delta Consultants

Suzanne McClurkin-Nelson
Senior Project Manager

Regina Bussard, P.G.
Project Geologist



Attachment: Third Quarter 2010 Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US (via electronic)
Danielle Stefani, Livermore-Pleasanton Fire Department
Cheryl Dizon, Zone 7 Water Agency

SHELL QUARTERLY STATUS REPORT

Station Address:	4212 (*aka* 4226) First Street, Pleasanton, California
Delta Project No.:	SCA421211D
Shell Project Manager / Phone No.:	Denis Brown / (707) 865-0251
Delta Site Manager / Phone No.:	Suzanne McClurkin-Nelson / (408) 826-1875
Primary Agency / Regulatory ID No.:	Alameda County Health Care Services Agency (ACHCSA) (Mr. Jerry Wickham, P.G., CHG)
Other Agencies to Receive Copies:	None

WORK PERFORMED THIS QUARTER (THIRD –2010):

1. Quarterly groundwater monitoring and sampling; Submitted quarterly report.
2. Submitted monthly status reports on progress of remediation system installation.

WORK PROPOSED FOR NEXT QUARTER (FOURTH –2010):

1. Quarterly groundwater monitoring and sampling; Submit quarterly report.
2. Obtain Planning Department permit for construction of remediation system; submit Building Department permit application and additional requirements to Planning Department.
3. Schedule construction of remaining remediation wells and system upon receipt of building permit; Prepare report summarizing remediation well installation activities
4. Submit monthly status reports on progress of remediation system installation.

Current Phase of Project:	Groundwater monitoring (remediation system in planning)
Site Use:	Shell-branded Service Station
Frequency of Sampling:	Quarterly
Frequency of Monitoring:	Quarterly
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	☐ Yes ☒ No
Cumulative SPH Recovered to Date :	NA
SPH Recovered This Quarter :	None
Sensitive Receptor(s) and Respective Direction(s):	The Arroyo Del Valle Creek is located approximately 1,133 feet north-west of the site. A supply well (3S/1E-21C1) was located 1,000 feet northwest of the site and a municipal well (3S/1E-16P10) was located approximately 1,200 feet north of the site.
Site Lithology:	The site is underlain by interlayered silt, silty sand, gravelly sand and silty gravel.

SHELL QUARTERLY STATUS REPORT (CONT.)

Current Remediation Techniques:	Quarterly monitoring of natural attenuation
Permits for Discharge:	None
Groundwater Recovered This Quarter:	81.6 gallons were recovered on August 5, 2010.
Approximate Depth to Groundwater:	32.00 to 33.82 feet below top of well casing (TOC). 90.10 feet below TOC in deeper Well MW-1B.
Groundwater Gradient:	North-northwest at approximately 0.06 ft/ft
Current Agency Correspondence:	ACHCSA email dated December 4, 2009, February 10, 2010 and February 24, 2010 (Appendix A)
Date of Most Recent Work Plan Approval:	ACHCSA letter dated August 7, 2009 approving Interim Remediation work Plan (Appendix A)
Site History:	
Case Opening	1985
Onsite Assessment	1986 - 2007
Offsite Assessment	None
Passive Remediation	Monitored Natural Attenuation
Active Remediation	June 2007, Step Draw Down; June, August 2007, Batch Extraction February 2009, Dual-Phase Extraction Pilot Test January 2010, Air Sparge Pilot Test
Closure	None
Summary of Unusual Activity:	None

Analytical results for the third quarter 2010 are consistent with historical data set. Elevated concentrations of total petroleum hydrocarbons as gasoline (TPH-g), benzene, methyl tert-butyl ether (MTBE) and tert-butyl alcohol (TBA) remain in wells MW-1, MW-2 and MW-4.

Remediation wells SVE-1 through SVE-4, a test air sparge well (AS-10) and an observation well (OW-1) were installed January 2010. An Authority to Construct was issued for the site by the Bay Area Air Quality Management District (BAAQMD) on June 29, 2010. Planning Department approval for the proposed soil vapor extraction (SVE) and air sparge (AS) system was received September 22, 2010. The Building Department Permit package should be submitted in November 2010. Installation of the remaining proposed sparge wells (AS-1 through AS-9) and a proposed additional vapor extraction well (SVE-5, west of monitoring well MW-2) was delayed due to transition of the site to Conestoga-Rovers & Associates (CRA) in October 2010. The remaining wells will be scheduled by CRA in 2010; upon receipt of the building department permits, CRA will set the schedule for trenching and installation of the SVE/AS remediation system.

ATTACHMENTS:

Figures:

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour Map – 8/5/2010

Figure 3 – Groundwater Hydrocarbon Distribution Map – 8/5/2010

Table:

Table 1 –Historic Well Concentrations

Appendices:

Appendix A – Agency Correspondence

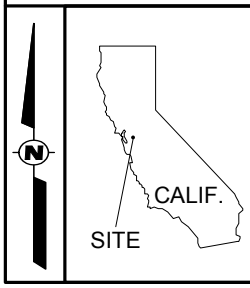
Appendix B – Blaine Tech Services, Inc. Field Data Sheets

Appendix C – Blaine Tech Services, Inc. Field Procedures

Appendix D – Certified Analytical Report with Chain-of-Custody Documentation

FIGURES

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
J.F.F.			SCA42121



DELTA CONSULTANTS

SHELL OIL PRODUCTS
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 1
SITE LOCATION MAP

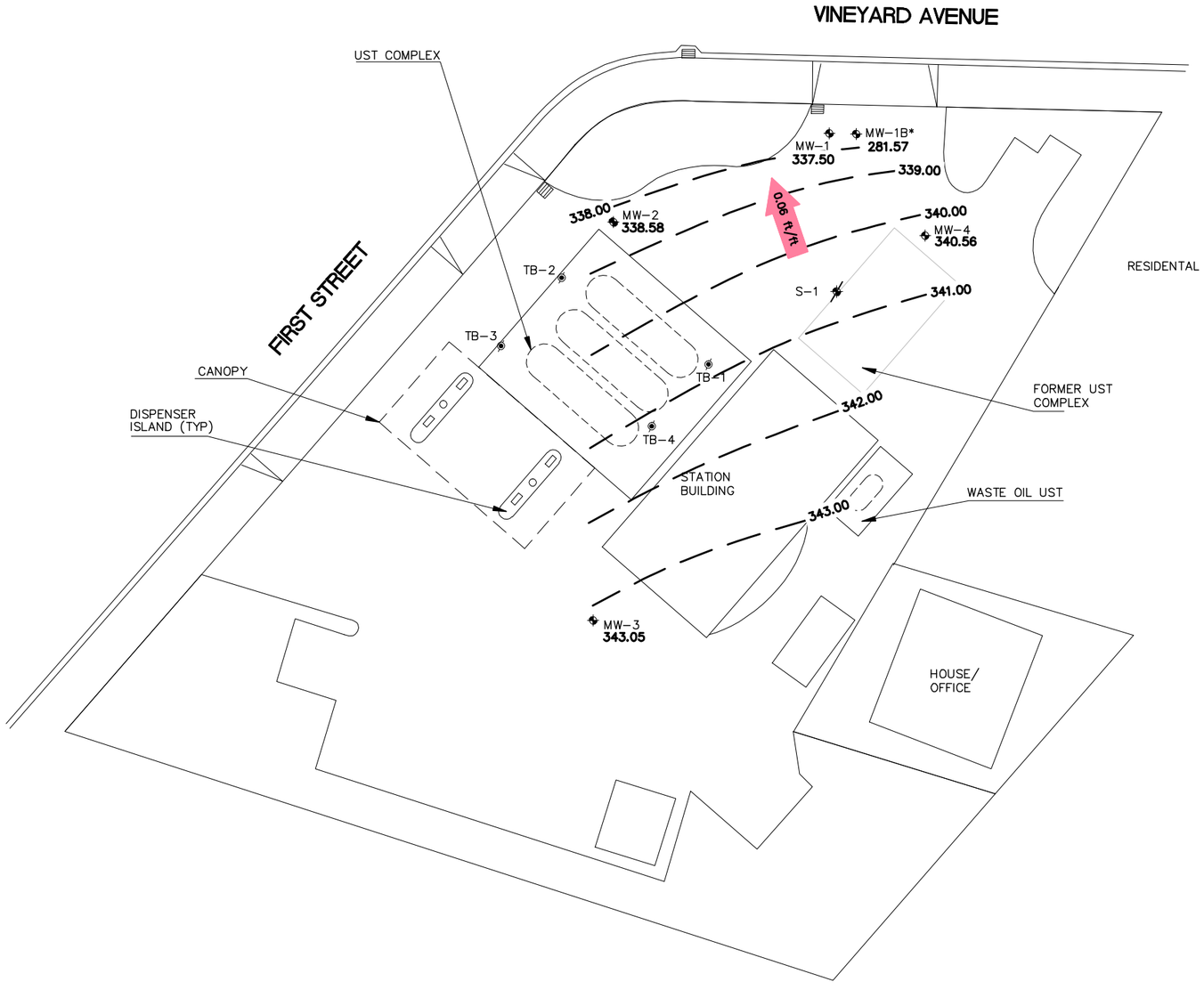
4212 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA421211D

APPROVED BY

CHECKED BY

DRAWN BY J.F.F 8/24/2010



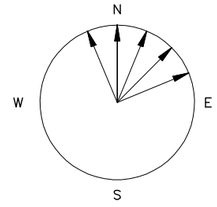
0 15 30 SCALE IN FEET

N
W E
S

LEGEND

MW–1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
S–1	DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TB–1	ABANDONED TANK BACKFILL WELL LOCATION
343.08	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
344.00	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=1.00 FEET
MW–1B*	MONITORS DEEPER WATER BEARING ZONE; NOT USED USED IN CONTOURING
0.06 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

HISTORIC GROUNDWATER FLOW DIRECTIONS



DATE	FLOW DIRECTION
8/5/2005	ENE
11/22/2005	ENE
2/7/2006	NNE
5/16/2006	NNE
8/21/2006	N
11/14/2006	N
2/1/2007	NNE
8/22/2007	N, NNE
11/26/2007	NNE
2/19/2008	NNW
5/23/2008	N
8/7/2008	N, NNW
12/3/2008	NNE
2/5/2009	NNE
5/7/2009	NNW
8/20/2009	NE
11/9/2009	NE
2/11/2010	N
5/13/2010	NNW
8/5/2010	NNW

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SHELL OIL PRODUCTS US
SHELL–BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP
8/5/2010

4212 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA421211D

APPROVED BY

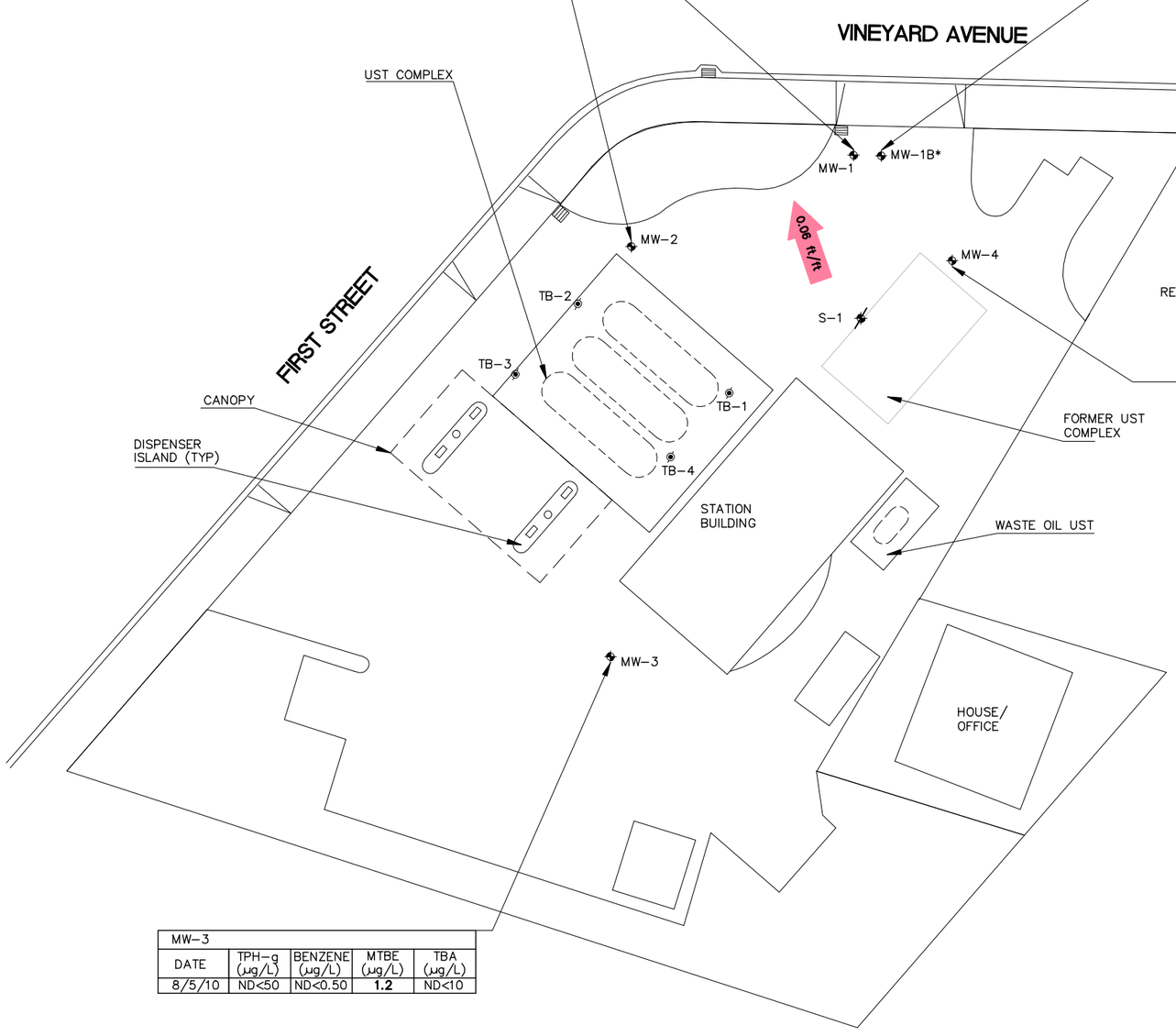
CHECKED BY

DRAWN BY J.F.F 8/24/2010

MW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/5/10	**4,200**	**12**	**3,800**	**1,300**

MW-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/5/10	**1,500**	ND<5.0	**1,400**	**210**

MW-1B				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/5/10	ND<50	ND<0.50	ND<1.0	ND<10



MW-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/5/10	**4,000**	ND<12	**3,600**	**600**

MW-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/5/10	ND<50	ND<0.50	**1.2**	ND<10

N W E S

LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
S-1	DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TB-1	ABANDONED TANK BACKFILL WELL LOCATION
TPH-g	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERT-BUTYL ETHER
TBA	TERT-BUTYL ALCOHOL
µg/L	MICROGRAMS PER LITER
ND<	NOT DETECTED ABOVE LIMIT NOTED
MW-1B*	MONITORS DEEPER WATER BEARING ZONE
0.06 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

0 15 30 SCALE IN FEET

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SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 3
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
8/5/2010

4212 FIRST STREET
PLEASANTON, CALIFORNIA

TABLE

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 (*aka 4226*) First Street
Pleasanton, California

Well ID	Date	TPH-g (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	6/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371.20	37.81	333.39
MW-1	6/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	NA	NA	NA	NA	NA	371.20	33.65	337.55
MW-1	9/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	NA	NA	NA	NA	NA	371.20	37.04	334.16
MW-1	12/8/1999	1,020	375	<5.00	<5.00	15.2	<50.0	NA	NA	NA	NA	NA	371.20	36.79	334.41
MW-1	2/10/2000	523	106	<5.00	<5.00	31.8	2.9	NA	NA	NA	NA	NA	371.20	34.90	336.30
MW-1	5/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37	29.5	NA	NA	NA	NA	371.20	32.55	338.65
MW-1	8/3/2000	808	290	<2.50	<2.50	8.9	<12.5	NA	NA	NA	NA	NA	371.20	39.13	332.07
MW-1	10/31/2000	507	250	0.962	<0.500	23.5	3.76	NA	NA	NA	NA	NA	371.20	37.91	333.29
MW-1	3/1/2001	<50.0	<0.500	<0.500	<0.500	<0.500	74.6	NA	NA	NA	NA	NA	371.20	39.60	331.60
MW-1	5/30/2001	780	280	<2.0	<2.0	11	NA	<2.0	NA	NA	NA	NA	371.20	39.53	331.67
MW-1	8/2/2001	1,900	580	<2.5	<2.5	12	NA	<25	NA	NA	NA	NA	371.20	39.61	331.59
MW-1	12/6/2001	840	190	<0.50	<0.50	13	NA	<5.0	NA	NA	NA	NA	371.20	39.63	331.57
MW-1	2/5/2002	2,700	650	<2.5	<2.5	7.2	NA	<25	NA	NA	NA	NA	371.20	35.53	335.67
MW-1	6/17/2002	2,500	550	<2.0	<2.0	5.9	NA	<20	NA	NA	NA	NA	371.20	39.29	331.91
MW-1	7/25/2002	690	130	<0.50	<0.50	4.4	NA	18	NA	NA	NA	NA	371.20	39.39	331.81
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	NA	27	NA	NA	NA	NA	371.20	40.00	331.20
MW-1	2/12/2003	840	0.85	<0.50	<0.50	<0.50	NA	40	NA	NA	NA	NA	371.20	32.92	338.28
MW-1	5/14/2003	680	190	<2.5	<2.5	<5.0	NA	95	NA	NA	NA	NA	371.20	32.57	338.63
MW-1	7/29/2003	870	190	<2.5	<2.5	<5.0	NA	150	NA	NA	NA	NA	371.20	33.82	337.38
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	NA	230	NA	NA	NA	NA	371.20	38.28	332.92
MW-1	2/19/2004	58 d	11	<0.50	<0.50	<1.0	NA	85	NA	NA	NA	NA	371.20	36.93	334.27
MW-1	5/3/2004	670	310	<2.5	<2.5	<5.0	NA	420	NA	NA	NA	NA	371.20	32.70	338.50
MW-1	8/24/2004	430 d	34	<2.5	<2.5	<5.0	NA	690	NA	NA	NA	NA	371.20	34.66	336.54
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	371.20	38.27	332.93
MW-1	2/2/2005	540 e	87	<2.5	<2.5	<5.0	NA	700	NA	NA	NA	NA	371.20	32.02	339.18
MW-1	5/5/2005	460 e	88	<2.5	<2.5	<5.0	NA	300	NA	NA	NA	NA	371.20	36.82	334.38
MW-1	8/5/2005	910	230	<2.5	<2.5	<5.0	NA	480	NA	NA	NA	NA	371.20	33.35	337.85
MW-1	11/22/2005	1,760	27	<0.500	<0.500	1	NA	1,160	NA	NA	NA	NA	371.20	33.42	337.78
MW-1	2/7/2006	4,620	225	<0.500	<0.500	<0.500	NA	1,480	NA	NA	NA	NA	371.20	31.63	339.57
MW-1	5/16/2006	1,100	130	<0.50	2	2	NA	1,600	NA	NA	NA	NA	371.20	31.16	340.04

TABLE 1
HISTORIC WELL CONCENTRATIONS
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4212 (*aka 4226*) First Street
Pleasanton, California

Well ID	Date	TPH-g (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	8/21/2006	2,700	86	<0.500	1	1	NA	1,960	NA	NA	NA	NA	371.20	33.07	338.13
MW-1	11/14/2006	1,400 g	30	<25	<25	<25	NA	2,100	<25	<25	<25	<1,000	371.20	33.73	337.47
MW-1	2/1/2007	800	21	<0.50	<0.50	<1.0	NA	2,300	NA	NA	NA	NA	371.20	33.02	338.18
MW-1	6/1/2007	1,400 j,k	68	<20	<20	4.4 l	NA	2,200	NA	NA	NA	NA	371.20	32.87	338.33
MW-1	8/22/2007	250 j	20	<20	<20	<20	NA	3,100	NA	NA	NA	1,500	371.20	34.64	336.56
MW-1	11/26/2007	1,800 j	33	<20	<20	<20	NA	3,100	<40	<40	<40	930	371.20	35.59	335.61
MW-1	2/19/2008	1,800 j	33	<20	<20	<20	NA	3,700	NA	NA	NA	1,700	371.20	31.05	340.15
MW-1	5/23/2008	3,700	100	<25	<25	<25	NA	3,100	NA	NA	NA	1,300	371.20	31.80	339.40
MW-1	8/7/2008	4,200	33	<25	<25	<25	NA	3,500	NA	NA	NA	<250	371.20	33.03	338.17
MW-1	12/3/2008	3,400	34	<25	<25	<25	NA	3,200	NA	NA	NA	980	371.20	35.19	336.01
MW-1	2/5/2009	2,100	26	<25	<25	<25	NA	1,700	NA	NA	NA	340	371.20	35.07	336.13
MW-1	5/7/2009	4,400	230	<25	<25	<25	NA	3,700	NA	NA	NA	980	371.20	32.45	338.75
MW-1	8/20/2009	3,100	86	<25	<25	<25	NA	2,500	NA	NA	NA	730	371.20	34.48	336.72
MW-1	11/9/2009	3,200	230	<20	<20	33	NA	2,100	<40	<40	<40	530	371.20	35.84	335.36
MW-1	2/11/2010	4,400	30	<20	<20	<20	NA	3,000	NA	NA	NA	730	371.20	34.06	337.14
MW-1	5/13/2010	3,300	38	<20	<20	<20	NA	3,300	NA	NA	NA	1,100	371.20	31.99	339.21
MW-1	**8/5/2010**	**4,200**	**12**	**<20**	**<20**	**<20**	**NA**	**3,800**	**NA**	**NA**	**NA**	**1,300**	**371.20**	**33.70**	**337.50**
MW-1B	9/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371.67	76.94	294.73
MW-1B	9/28/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	21	NA	NA	NA	<20	371.67	77.15	294.52
MW-1B	11/14/2006	320 g	<5.0	<5.0	<5.0	<5.0	NA	310	<5.0	<5.0	<5.0	<200	371.67	69.38	302.29
MW-1B	2/1/2007	77	0.53	<0.50	<0.50	<1.0	NA	150	NA	NA	NA	NA	371.67	60.92	310.75
MW-1B	6/1/2007	<50 j,k	0.25 l	<1.0	<1.0	<1.0	NA	74	NA	NA	NA	NA	371.67	61.07	310.60
MW-1B	8/22/2007	<50 j	0.25 l	<1.0	<1.0	<1.0	NA	35	NA	NA	NA	7.1 l	371.67	77.54	294.13
MW-1B	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	1.7	<2.0	<2.0	<2.0	<10	371.67	68.50	303.17
MW-1B	2/19/2008	65 j	2.6	4.2	<1.0	1.1	NA	58	NA	NA	NA	<10	371.67	57.21	314.46
MW-1B	5/23/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.6	NA	NA	NA	<10	371.67	57.53	314.14
MW-1B	8/7/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	371.67	72.51	299.16
MW-1B	12/3/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.4	NA	NA	NA	<10	371.67	80.84	290.83
MW-1B	2/5/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	4.4	NA	NA	NA	<10	371.67	76.11	295.56
MW-1B	5/7/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	2.5	NA	NA	NA	13	371.67	66.97	304.70

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Shell-branded Service Station
4212 (*aka 4226*) First Street
Pleasanton, California

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MW-1B	8/20/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.7	NA	NA	NA	<10	371.67	97.32	274.35
MW-1B	11/9/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	371.67	98.90	272.77
MW-1B	2/11/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	371.67	90.72	280.95
MW-1B	5/13/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	2.0	NA	NA	NA	<10	371.67	80.56	291.11
MW-1B	**8/5/2010**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**371.67**	**90.10**	**281.57**
MW-2	2/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.40	32.65	339.75
MW-2	2/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.40	35.51	336.89
MW-2	2/10/2000	<50.0	<0.500	<0.500	<0.500	<0.500	2.61	NA	NA	NA	NA	NA	372.40	36.62	335.78
MW-2	5/17/2000	120	4.09	<0.500	<0.500	<0.500	29	NA	NA	NA	NA	NA	372.40	32.14	340.26
MW-2	8/3/2000	<50.0	0.692	<0.500	<0.500	<0.500	40.5	36.6b	NA	NA	NA	NA	372.40	32.42	339.98
MW-2	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	57.4	44.8c	NA	NA	NA	NA	372.40	33.02	339.38
MW-2	3/1/2001	173	1.64	1.65	2.86	3.97	127	167	NA	NA	NA	NA	372.40	32.54	339.86
MW-2	5/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	372.40	32.42	339.98
MW-2	8/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	372.40	32.55	339.85
MW-2	12/6/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	372.40	33.15	339.25
MW-2	2/5/2002	<50	0.72	<0.50	<0.50	1.7	NA	170	NA	NA	NA	NA	372.40	32.29	340.11
MW-2	6/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	372.40	32.63	339.77
MW-2	7/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	372.40	32.80	339.60
MW-2	11/14/2002	120	13	9	3.8	14	NA	430	NA	NA	NA	NA	372.40	33.31	339.09
MW-2	2/12/2003	<100	<1.0	<1.0	<1.0	<1.0	NA	430	NA	NA	NA	NA	372.40	32.15	340.25
MW-2	5/14/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	372.40	32.01	340.39
MW-2	7/29/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	670	NA	NA	NA	NA	372.40	32.51	339.89
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	54	NA	NA	NA	NA	372.40	33.83	338.57
MW-2	2/19/2004	65	<0.50	3.4	1.4	6.5	NA	8.2	NA	NA	NA	NA	372.40	32.68	339.72
MW-2	5/3/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	5.2	NA	NA	NA	NA	372.40	32.07	340.33
MW-2	8/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	2.7	NA	NA	NA	NA	372.40	32.44	339.96
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	372.40	32.95	339.45
MW-2	2/2/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	372.40	31.94	340.46
MW-2	5/5/2005	72 f	<0.50	<0.50	<0.50	<1.0	NA	4.9	NA	NA	NA	NA	372.40	31.91	340.49
MW-2	8/5/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	372.40	32.15	340.25

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 (*aka 4226*) First Street
Pleasanton, California

Well ID	Date	TPH-g (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	11/22/2005	840	1	<0.500	<0.500	1	NA	556	NA	NA	NA	NA	372.40	32.31	340.09
MW-2	2/7/2006	3,550	<0.500	<0.500	<0.500	<0.500	NA	2,500	NA	NA	NA	NA	372.40	31.70	340.70
MW-2	5/16/2006	1,400	<5.0	<5.0	<5.0	<10	NA	1,700	NA	NA	NA	NA	372.40	31.38	341.02
MW-2	8/21/2006	1,910	<0.500	<0.500	<0.500	<0.500	NA	2,590	NA	NA	NA	NA	372.40	33.29	339.11
MW-2	11/14/2006	2,300 g	<25	<25	<25	<25	NA	2,500	<25	<25	<25	<1,000	372.40	32.67	339.73
MW-2	2/1/2007	670	<0.50	<0.50	<0.50	<1.0	NA	2,000	NA	NA	NA	NA	372.40	32.13	340.27
MW-2	6/1/2007	500 j,k	<10	<20	<20	<20	NA	2,000	NA	NA	NA	NA	372.40	32.14	340.26
MW-2	8/22/2007	100 j,k	<10	<20	<20	<20	NA	2,400	NA	NA	NA	120 l	372.40	32.93	339.47
MW-2	11/26/2007	1,600 j,k	<10	<20	<20	<20	NA	2,900	<40	<40	<40	<200	372.40	33.44	338.96
MW-2	2/19/2008	1,300 j,k	<10	<20	<20	<20	NA	3,300	NA	NA	NA	<200	372.40	31.18	341.22
MW-2	5/23/2008	1,900	<12	<25	<25	<25	NA	1,700	NA	NA	NA	<250	372.40	31.44	340.96
MW-2	8/7/2008	1,700	<10	<20	<20	<20	NA	1,300	NA	NA	NA	<200	372.40	31.94	340.46
MW-2	12/3/2008	3,000	<10	<20	<20	<20	NA	2,900	NA	NA	NA	<200	372.40	32.53	339.87
MW-2	2/5/2009	1,200	<10	<20	<20	<20	NA	1,000	NA	NA	NA	<200	372.40	32.29	340.11
MW-2	5/7/2009	2,400	<10	<20	<20	<20	NA	2,400	NA	NA	NA	<200	372.40	31.98	340.42
MW-2	8/20/2009	2,800	<10	<20	<20	<20	NA	2,400	NA	NA	NA	<200	372.40	32.51	339.89
MW-2	11/9/2009	4,100	<12	<25	<25	<25	NA	3,800	<50	<50	<50	<250	372.40	32.43	339.97
MW-2	2/11/2010	4,300	<12	<25	<25	<25	NA	3,200	NA	NA	NA	<250	372.40	32.07	340.33
MW-2	5/13/2010	2,400	<10	<20	<20	<20	NA	2,500	NA	NA	NA	<200	372.40	31.63	340.77
MW-2	**8/5/2010**	**1,500**	**<5.0**	**<10**	**<10**	**<10**	**NA**	**1,400**	**NA**	**NA**	**NA**	**210**	**372.40**	**33.82**	**338.58**
MW-3	2/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	375.05	32.06	342.99
MW-3	2/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	375.05	32.57	342.48
MW-3	2/10/2000	180	5.12	<0.500	<0.500	0.714	26.8	21.5a	NA	NA	NA	NA	375.05	32.77	342.28
MW-3	5/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	NA	NA	NA	NA	NA	375.05	31.00	344.05
MW-3	8/3/2000	<50.0	0.536	<0.500	<0.500	<0.500	22	NA	NA	NA	NA	NA	375.05	31.03	344.02
MW-3	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	31.1	NA	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	3/1/2001	384	172	0.815	<0.500	8	5.16	NA	NA	NA	NA	NA	375.05	31.21	343.84
MW-3	5/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	110	NA	NA	NA	NA	375.05	31.02	344.03
MW-3	8/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	93	NA	NA	NA	NA	375.05	30.94	344.11
MW-3	12/6/2001	110	<0.50	<0.50	<0.50	2.3	NA	180	NA	NA	NA	NA	375.05	31.28	343.77

TABLE 1
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Shell-branded Service Station
4212 (*aka 4226*) First Street
Pleasanton, California

Well ID	Date	TPH-g (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	2/5/2002	<50	0.89	0.6	<0.50	2.1	NA	130	NA	NA	NA	NA	375.05	31.12	343.93
MW-3	6/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	72	NA	NA	NA	NA	375.05	31.21	343.84
MW-3	7/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	81	NA	NA	NA	NA	375.05	30.96	344.09
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	60	NA	NA	NA	NA	375.05	31.44	343.61
MW-3	2/12/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	43	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	5/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	375.05	31.20	343.85
MW-3	7/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	375.05	31.29	343.76
MW-3	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	8.2	NA	NA	NA	NA	375.05	31.86	343.19
MW-3	2/19/2004	81	0.67	4.4	1.8	8.6	NA	13	NA	NA	NA	NA	375.05	31.66	343.39
MW-3	5/3/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	13	NA	NA	NA	NA	375.05	31.72	343.33
MW-3	8/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	10	NA	NA	NA	NA	375.05	32.09	342.96
MW-3	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	6.6	NA	NA	NA	NA	375.05	31.50	343.55
MW-3	2/2/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	3.1	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	5/5/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.3	NA	NA	NA	NA	375.05	31.42	343.63
MW-3	8/5/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.4	NA	NA	NA	NA	375.05	31.35	343.70
MW-3	11/22/2005	<50	<0.500	<0.500	<0.500	<0.500	NA	3.84	NA	NA	NA	NA	375.05	31.98	343.07
MW-3	2/7/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	375.05	31.24	343.81
MW-3	5/16/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	4.5	NA	NA	NA	NA	375.05	31.37	343.68
MW-3	8/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	4.04	NA	NA	NA	NA	375.05	31.95	343.10
MW-3	11/14/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	3.8	<0.50	<0.50	<0.50	<20	375.05	32.24	342.81
MW-3	2/1/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	2.8	NA	NA	NA	NA	375.05	32.17	342.88
MW-3	6/1/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	3.1	NA	NA	NA	NA	375.05	31.86	343.19
MW-3	8/22/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	4.6	NA	NA	NA	<10	375.05	32.18	342.87
MW-3	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	3.5	<2.0	<2.0	<2.0	<10	375.05	32.69	342.36
MW-3	2/19/2008	<50 j	<0.50	1.2	<1.0	<1.0	NA	2.6	NA	NA	NA	<10	375.05	30.94	344.11
MW-3	5/23/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.6	NA	NA	NA	<10	375.05	31.45	343.60
MW-3	8/7/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.0	NA	NA	NA	<10	375.05	31.40	343.65
MW-3	12/3/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	2.1	NA	NA	NA	<10	375.05	32.12	342.93
MW-3	2/5/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	375.05	32.74	342.31
MW-3	5/7/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	375.05	31.69	343.36
MW-3	8/20/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	2.0	NA	NA	NA	<10	375.05	32.42	342.63

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 (*aka 4226*) First Street
Pleasanton, California

Well ID	Date	TPH-g (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	11/9/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.7	<2.0	<2.0	<2.0	<10	375.05	32.54	342.51
MW-3	2/11/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	2.1	NA	NA	NA	<10	375.05	31.81	343.24
MW-3	5/13/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	1.7	NA	NA	NA	<10	375.05	31.25	343.80
MW-3	**8/5/2010**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**1.2**	**NA**	**NA**	**NA**	**<10**	**375.05**	**32.00**	**343.05**
MW-4	9/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.78	31.58	341.20
MW-4	9/28/2006	11,000	<250	<250	<250	<250	NA	13,000	NA	NA	NA	<10,000	372.78	31.57	341.21
MW-4	11/14/2006	30,000	<250	<250	<250	<250 h,i	NA	14,000	<250	<250	<250	<10,000	372.78	32.11	340.67
MW-4	2/1/2007	6,300	50	<5.0	19	120	NA	14,000	NA	NA	NA	NA	372.78	33.23	339.55
MW-4	6/1/2007	8,200 j	52	<25	26	150	NA	11,000	NA	NA	NA	NA	372.78	31.57	341.21
MW-4	8/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.78	33.40	339.38
MW-4	11/26/2007	12,000 j	71	<100	<100	<100	NA	20,000	<200	<200	<200	<1,000	372.78	34.74	338.04
MW-4	2/19/2008	13,000 j	<100	<200	<200	<200	NA	18,000	NA	NA	NA	2,900	372.78	29.70	343.08
MW-4	5/23/2008	21,000	<100	<200	<200	<200	NA	16,000	NA	NA	NA	<2,000	372.78	31.67	341.11
MW-4	8/7/2008	27,000	<100	<200	<200	<200	NA	21,000	NA	NA	NA	<2,000	372.78	31.90	340.88
MW-4	12/3/2008	20,000	19	<25	<25	29	NA	21,000	NA	NA	NA	2,500	372.78	34.32	338.46
MW-4	2/5/2009	15,000	200	<200	<200	<200	NA	13,000	NA	NA	NA	<2,000	372.78	34.58	338.20
MW-4	5/7/2009	18,000	<100	<200	<200	<200	NA	17,000	NA	NA	NA	<2,000	372.78	31.34	341.44
MW-4	8/20/2009	15,000	<50	<100	<100	<100	NA	13,000	NA	NA	NA	1,900	372.78	33.56	339.22
MW-4	11/9/2009	13,000	<50	<100	<100	<100	NA	11,000	<200	<200	<200	<1000	372.78	33.57	339.21
MW-4	2/11/2010	11,000	95	<100	<100	110	NA	7,500	NA	NA	NA	3,200	372.78	31.21	341.57
MW-4	5/13/2010	8,800	48	<50	57	96	NA	7,800	NA	NA	NA	2,900	372.78	30.19	342.59
MW-4	**8/5/2010**	**4,000**	**<12**	**<25**	**<25**	**<25**	**NA**	**3,600**	**NA**	**NA**	**NA**	**600**	**372.78**	**32.22**	**340.56**

TABLE 1
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Shell-branded Service Station
4212 (*aka 4226*) First Street
Pleasanton, California

Well ID	Date	TPH-g (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
TB-1	2/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-1	2/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-1	5/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	12.31	NA
TB-2	2/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-2	2/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.56	NA
TB-2	5/14/2003	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-3	2/12/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	2/28/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	5/14/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	2/12/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	2/28/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	5/14/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:

TPH-g = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable

TABLE 1
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4212 (*aka 4226*) First Street
Pleasanton, California

Well ID	Date	TPH-g (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Notes:

a = Sample was analyzed outside of the EPA recommended holding time.

b = Concentration is an estimate value above the linear quantitation range.

c = The result reported was generated out of time. The sample was originally run within hold time, but needed to be re-analyzed.

d = Sample contains discrete peak in addition to gasoline.

e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

f = The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

g = The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.

h = Sample was originally analyzed with a positive result, however the reanalysis did not confirm the presence of the analyte.

i = Confirmatory analysis was past holding time.

j = Analyzed by EPA Method 8015B (M).

k = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

l = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Well MW-1 surveyed on May 4, 1999 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed on March 19, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed on January 15, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

3Q06 survey data for wells MW-1B and MW-4 provided by Delta Environmental Consultants, Inc. of San Jose, CA.

APPENDIX A

AGENCY CORRESPONDENCE

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

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-93

August 7, 2009

Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Douglas and Mary Safreno
1627 Vineyard Avenue
Pleasanton, CA 94566-6389

Subject: Fuel Leak Case No. RO0000360 and Geotracker Global ID T0600101259, Shell#13-5782, 4226 First Street, Pleasanton, CA 94566 – Work Plan Approval

Dear Mr. Brown and Mr. and Ms. Safreno:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the reports entitled, "*Interim Remediation Work Plan, Shell-branded Service Station, 4212 First Street, Pleasanton, California*," dated June 1, 2009 (Work Plan). The Work Plan was prepared on Shell's behalf by Delta Environmental Consultants, Inc.

The Work Plan proposes installation of a soil vapor extraction and air sparging system including extraction wells, sparging wells, and observation wells for interim remediation to address elevated concentrations of fuel hydrocarbons in soil and groundwater at the site. The proposed scope of work is acceptable and may be implemented as proposed.

TECHNICAL REPORT REQUEST

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

- **December 14, 2009** – System Installation and Start-up Report
- **45 days following the end of each quarter following system installation and start-up** – Quarterly Remediation Progress and Monitoring Report

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

Sincerely,

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

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

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

Suzanne McClurkin-Nelson, Delta Environmental Consultants, Inc., 312 Piercy Road, San Jose, CA 95138

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

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

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

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
- 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)

Additional Recommendations

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

Submission Instructions

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

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   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 dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @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.

Suzanne McClurkin-Nelson

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Friday, December 04, 2009 6:03 PM
To: Suzanne McClurkin-Nelson
Cc: Regina Bussard; denis.l.brown@shell.com; Scott Pearson
Subject: RE: 4226 First St., Pleasanton (aka 4212) (Case No. RO0000360)

Suzanne,

The proposal to extend the schedule for submittal of a System Installation and Startup Report beyond December 14, 2009 and to provide a detailed schedule for proposed system installation no later than December 14, 2009 is acceptable. ACEH may provide additional comments pending review of the detailed schedule.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org

From: Suzanne McClurkin-Nelson [mailto:SMcClurkin-Nelson@deltaenv.com]
Sent: Wednesday, November 25, 2009 2:12 PM
To: Wickham, Jerry, Env. Health
Cc: Suzanne McClurkin-Nelson; Regina Bussard; denis.l.brown@shell.com; Scott Pearson
Subject: 4226 First St., Pleasanton (aka 4212) (Case No. RO0000360)
Importance: High

Jerry; As we discussed Monday, I have attached a letter proposing a change in the deliverable requested in your letter dated August 7, 2009 as noted below:

- Provide detailed schedule of pre-field and field work for proposed system installation no later than December 14, 2009.
- Provide monthly status reports each month thereafter, beginning 1/15/10, until the system is installed, at which time a proposed date for submittal of a System Installation and Startup Report will be finalized.

Please let me know if this is an acceptable schedule - thanks!

Suzanne McClurkin-Nelson | Senior Project Manager | Global Oil & Gas Business Group
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 408 826 1875 | Mobile +1 408 796 8889 | Alternate +1 408 582 4422
smcclurkin-nelson@deltaenv.com | www.deltaenv.com

Suzanne McClurkin-Nelson

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Wednesday, February 10, 2010 10:24 AM
To: 'Brown, Denis L SOPUS-OP-COR-H'; Suzanne McClurkin-Nelson
Subject: Draft Fact Sheet for 4212 First Street Pleasanton
Attachments: RO0360, Shell, 4226 First, Pleasanton Draft Fact Sheet 2010-02-09.doc

Denis and Suzanne,

Attached is a Draft Fact Sheet for the Shell site at 4212/4226 First Street in Pleasanton we discussed last week. Please review the Draft Fact Sheet and provide any comments. The Fact Sheet will be sent to residents within 200 feet of the site. I would like to send this out by February 25.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org

DRAFT FACT SHEET
SHELL BRANDED SERVICE STATION #13-5782
February 9, 2010

Site Location: Shell#13-5782, 4226 First Street, Pleasanton, CA 94566
Fuel Leak Case #RO0000434 and Geotracker Global ID # T0600101259

Summary – This fact sheet has been prepared to inform community members and other interested parties of the status of a soil and groundwater cleanup at a service station site at 4226 First Street in Pleasanton, California. Shell Oil Products US, the lead responsible party for the fuel leak case, will be evaluating two remedial technologies (soil vapor extraction and air sparging) to cleanup up gasoline contamination that resulted from fuel leaks at the service station. Soil vapor extraction (SVE) applies a vacuum to unsaturated soils above the water table to induce a controlled flow of air containing volatile contaminants removed from the soil. Extracted air will be treated at the surface to remove fuel hydrocarbons from the vapor. The treated air will be sampled on a regular basis to assure that treated air from the system meets discharge requirements of the Bay Area Air Quality Management District.

Air sparging injects air below the water table to volatilize contaminants in groundwater that can then be recovered by SVE. Air sparging also increases the oxygen content of groundwater, which may also increase the rate of biodegradation of petroleum hydrocarbons in groundwater. Planning and permitting is currently underway to install the SVE and air sparging system. Permitting and system installation is expected to be completed between May and July 2010. Aboveground equipment used for the SVE/air sparging system will be located…***[please input location]***. Operation of the system will be monitored over time to evaluate whether SVE and air sparging may be effective for final site cleanup.

Background – The site is currently an operating Shell-branded service station. Four gasoline underground storage tanks were removed from the northern portion of site in 1985 and were replaced by three new USTs installed in front of the station building. Environmental investigations conducted to date have delineated an area of petroleum hydrocarbons in soil and groundwater encompassing the current and former USTs and extending along the direction of groundwater flow to the north and northeast beneath Vineyard Avenue and First Street.

Next Step – Shell Oil Products US is working with Alameda County Environmental Health (ACEH) to implement a soil and groundwater cleanup at the site. Two remedial technologies (SVE and air sparging) will be implemented on an interim basis to assess their effectiveness. Descriptions of the two remedial technologies and how they will be implemented at the site are described in a document prepared by Delta Environmental on behalf of Shell Oil Products US entitled, "*Interim Remediation Work Plan*," dated June 1, 2009. This report along with all reports and correspondence for the case can be viewed over the Internet on the ACEH website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board Geotracker website (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting). If you have any questions or comments regarding the ongoing soil and groundwater cleanup at the site, please contact Jerry Wickham at the address below.

Additional information: Contact Jerry Wickham of the Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502 at 510-567-6791 or by email at jerry.wickham@acgov.org

Suzanne McClurkin-Nelson

From: Suzanne McClurkin-Nelson
Sent: Wednesday, February 24, 2010 2:36 PM
To: 'Wickham, Jerry, Env. Health'
Cc: Suzanne McClurkin-Nelson; Regina Bussard; 'denis.l.brown@shell.com'
Subject: RE: Draft Fact Sheet for 4212 First Street Pleasanton
Importance: High
Attachments: RO0360 Shell 4226 First Pleasanton Draft Fact Sheet 2010-02-09.doc

Hi Jerry - I have made a few revisions to the Fact Sheet, sorry not to get it back to you sooner. We had to re-send the building permit application to the property owners for their signature (it was original sent to them Dec. 2009) and just this week got it back, so the complete application package will be submitted this week. I will send you an updated status report by Friday.

Let me know if you have any questions - thanks!

Suzanne McClurkin-Nelson | Senior Project Manager | North American Operations
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 408 826 1875 | Mobile +1 408 796 8889 | Alternate +1 408 582 4422
smcclurkin-nelson@deltaenv.com | www.deltaenv.com

SUSTAINABLE STRATEGIES FOR GLOBAL LEADERS

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]
Sent: Wednesday, February 10, 2010 10:24 AM
To: 'Brown, Denis L SOPUS-OP-COR-H'; Suzanne McClurkin-Nelson
Subject: Draft Fact Sheet for 4212 First Street Pleasanton

Denis and Suzanne,

Attached is a Draft Fact Sheet for the Shell site at 4212/4226 First Street in Pleasanton we discussed last week. Please review the Draft Fact Sheet and provide any comments. The Fact Sheet will be sent to residents within 200 feet of the site. I would like to send this out by February 25.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org

DRAFT FACT SHEET
SHELL BRANDED SERVICE STATION #13-5782
February 9, 2010

Site Location: Shell#13-5782, 4226 First Street, Pleasanton, CA 94566
Fuel Leak Case #RO0000434 and Geotracker Global ID # T0600101259

Summary – This fact sheet has been prepared to inform community members and other interested parties of the status of a soil and groundwater cleanup at a service station site at 4226 First Street in Pleasanton, California. Shell Oil Products US, the lead responsible party for the fuel leak case, will be evaluating two remedial technologies (soil vapor extraction and air sparging) to cleanup up gasoline contamination that resulted from fuel leaks at the service station. Soil vapor extraction (SVE) applies a vacuum to unsaturated soils above the water table to induce a controlled flow of air containing volatile contaminants removed from the soil. Extracted air will be treated at the surface to remove fuel hydrocarbons from the vapor. The treated air will be sampled on a regular basis to assure that treated air from the system meets discharge requirements of the Bay Area Air Quality Management District.

Air sparging (AS) injects air below the water table to volatilize contaminants in groundwater that can then be recovered by SVE. AS also increases the oxygen content of groundwater, which may also increase the rate of biodegradation of petroleum hydrocarbons in groundwater. Planning and permitting is currently underway to install the SVE and air sparging system. Permitting and system installation is expected to be completed between May 2010 and the end of the year. Aboveground equipment used for the SVE/AS system will be located in an enclosed treatment system compound situated in the area currently comprising two parking spaces in the landscaped area off of Vineyard Avenue. Operation of the system will be monitored over time to evaluate whether SVE and AS may be effective for final site cleanup.

Background – The site is currently an operating Shell-branded service station. Four gasoline underground storage tanks were removed from the northern portion of site in 1985 and were replaced by three new USTs installed in front of the station building. Environmental investigations conducted to date have delineated an area of petroleum hydrocarbons in soil and groundwater encompassing the current and former USTs and extending along the direction of groundwater flow to the north and northeast beneath Vineyard Avenue and First Street.

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Additional information: Contact Jerry Wickham of the Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502 at 510-567-6791 or by email at jerry.wickham@acgov.org

Suzanne McClurkin-Nelson

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Wednesday, February 24, 2010 3:35 PM
To: Suzanne McClurkin-Nelson
Cc: Regina Bussard; denis.l.brown@shell.com
Subject: RE: Draft Fact Sheet for 4212 First Street Pleasanton

Hi Suzanne,

Thank you for the comments! The Fact Sheet should go out tomorrow.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org

From: Suzanne McClurkin-Nelson [mailto:SMcClurkin-Nelson@deltaenv.com]
Sent: Wednesday, February 24, 2010 2:36 PM
To: Wickham, Jerry, Env. Health
Cc: Suzanne McClurkin-Nelson; Regina Bussard; denis.l.brown@shell.com
Subject: RE: Draft Fact Sheet for 4212 First Street Pleasanton
Importance: High

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Let me know if you have any questions - thanks!

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smcclurkin-nelson@deltaenv.com | www.deltaenv.com

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]
Sent: Wednesday, February 10, 2010 10:24 AM
To: 'Brown, Denis L SOPUS-OP-COR-H'; Suzanne McClurkin-Nelson
Subject: Draft Fact Sheet for 4212 First Street Pleasanton

Denis and Suzanne,

Attached is a Draft Fact Sheet for the Shell site at 4212/4226 First Street in Pleasanton we discussed last week. Please review the Draft Fact Sheet and provide any comments. The Fact Sheet will be sent to residents within 200 feet of the site. I would like to send this out by February 25.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org

Suzanne McClurkin-Nelson

From: Suzanne McClurkin-Nelson

Sent: Monday, August 02, 2010 3:24 PM

To: 'Wickham, Jerry, Env. Health'

Cc: 'denis.l.brown@shell.com'; Suzanne McClurkin-Nelson; Regina Bussard; Matt Lambert; Oscar Valdez

Subject: July 2010 Monthly Status Report (System Installation) - 4212 First, Pleasanton (Fuel Leak Case No. RO0000360)

Importance: High

Attachments: 2010-06-29_Approved ATC Permit.pdf; Installation schedule as of 080210.pdf

Hello Jerry;

The planning permit application package was re-submitted to the City of Pleasanton Planning Division today. The Planning Division associate in charge of our permit request will be on vacation most of September, so we are hoping to get this wrapped up in August and submit a permit request to the Building Department immediately following receipt of the planning permit. Following receipt of the planning department permit, a preliminary determination will be made as to whether the Building Department application will need to go through legal review; if so, the turnaround is anticipated to be at a minimum 3-4 weeks for the Building Department permit. It is quite likely, however, that we will not be required to go through the legal review, in which case the permit could be issued within a week.

Re-submittal of the Planning Permit Application hinged on (1) receipt of our Authority to Construct (ATC), (2) completion of a noise survey to show compliance with the residential noise standard cited in Section 9.04.035 of the Pleasanton Municipal Code, and (3) specific plan revisions as noted in a letter dated June 29, 2010 from the City of Pleasanton Planning Division. The ATC was issued on June 29, 2010 by Bay Area Air Quality District (BAAQMD), but a hard copy was never received in the mail; a faxed version was sent to us on July 22nd following a query into the status of the permit (attached). Local ordinance limits noise levels near residential areas to 60 decibels (dB) from 10:00 pm to 6:00 am; the limit applies to total noise, including typical street traffic noise. Rather than conduct a noise survey at a 'similar' site, Delta and Shell have opted to modify the run time of the proposed system with a timer, which would shut the system down during hours subject to the noise ordinance restrictions (10:00 PM to 6:00 AM); this will allow us the run the system 16 hours every day with an 8-hour recharge period. Once the system is installed and operational, a noise survey at the site can be conducted if at some point it would be felt to optimize system efficiency.

Installation of the remaining remediation wells (nine air sparge wells and one additional SVE well) has been targeted for the 3Q10; system installation is currently targeted for early winter (Oct/Nov).

A monthly status report for August 2010 will be scheduled for submittal to you no later than August 31, 2010. I've attached an updated schedule; please let me know if you have any questions or comments. Thanks!

Suzanne McClurkin-Nelson | Consultant | North American Operations
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 408 826 1875 | Mobile +1 408 796 8889 | Alternate +1 408 582 4422
smcclurkin-nelson@deltaenv.com | www.deltaenv.com

Proposed Schedule for SVE/AS System Installation and Startup
Shell-Branded Service Station
4226 First Street (aka 4212 First Street)
Pleasanton, California

Task Description	2009		2010											
	November	December	January	February	March	April	May	June	July	August	September	October	November	December
Complete engineering drawings for SVE/AS system; submit for internal review, submit to sub-contrators for bid estimates	11/20/09													
First request to subcontractors for system installation bid	11/23/09													
General PG&E application submitted (power to site)		12/3/09												
Preliminary bids for system installation received from subcontractors		12/9/09												
Permit application for SVE/AS/Observation Well installations submitted		12/9/09												
Get revised drawings from Drafting		12/17/09												
Revised Bids requested from Subcontractors		12/17/09												
Preliminary award to subcontractor for system install		12/30*09												
SVE Well permit applications sent to Subcontractor for signatures		12/9/09												
SVE (and one AS) Well Permits granted/received		12/15/09												
Install four SVE wells (SVE-1 through SVE-4), observ. well (OBS-1) and a test air sparge well (SP-10)			1/12-14/10											
Complete air sparge pilot testing; analytical samples submitted (5-day TAT)			1/26/10											
Planning permit application submitted (with drawings and other required documents); 3-4 week review anticipated				2/9/10										
Receive response to Planning Dept. Permit (need additional info, site photos, additional design copies)					3/2/10									
BAAQMD application package for Authority to Construct submitted					3/10/10									
Submit additional fees to BAAQMD for ATC						4/23/10								
System design review/revisions based on planning department comments and air sparge result analysis						*(in progress)*	5/27/10							
Planning permit application re-submitted with revisions							5/28/10							
Submit air sparge pilot test report								6/7/10						
Request risk analysis from BAAQMD								6/22/10						
Complete system design drawing revisions								6/24/10						
PG&E work (prep electrical supply for site)								(postponed due to pemitting delays)						
Conduct noise survey (per Planning Dept. request)									(cancelled)					
Receive ATC from BAAQMD									7/22/10 (issued 6/29/10)					
Re-submit Planning Permit Application										*8/2/10*				
Planning permit received										*(mid August)*				
Submit Building permit application; 10 days needed for review/issue										*(late August)*				
Building Dept. finishes application review and sends comments and changes											*(early Sept)*			
Building Dept. permit application re-submitted with revisions; 7 to 10 days needed for review/issue											*(mid Sept)*			
Building permit received											*(late Sept)*			
Install remaining remediation wells AS-1 to AS-9 & SVE-5														
Schedule system installation activities														
System installation (currently estimated at 4 weeks)														
Startup notification to BAAQMD (at least 3 days prior to startup)														
PG&E final power hookup														
System shakedown, inspection, trouble-shooting														
System startup and sampling														
Begin continuous operation (assuming all compliance parameters are met)														
Startup report to BAAQMD & ACEH (*or as required by the ATC)														

Please note the above calendar assumes a limited turnaround time for agency review of respective permits and applications, and will be updated as changes occur throughout the process.

BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT
SINCE 1955

June 29, 2010

Shell Oil Products US
20945 So Wilmington Ave
Carson, CA 90810

Attention: Shell/Denis Brown

Authority to Construct for Permit Application No. 21705, Plant No. 20140

Required Action

Your Authority to Construct is enclosed. This Authority to Construct is not a Permit to Operate. **To receive your Permit to Operate you must:**

1. Complete the Start-up Notification portion of the Authority to Construct.
2. Send the Start-up Notification to the assigned Permit Engineer via e-mail, fax or mail **at least seven days** prior to operating your equipment.

Note: Operation of equipment without sending the Start-up Notification to the District may result in enforcement action.

Authorization of Limited Use

The Authority to Construct authorizes operation during the start-up period from the date of initial operation indicated in your Start-up Notification until the Permit to Operate is issued, up to a maximum of 90 days. All conditions (specific or implied) included in this Authority to Construct will be in effect during the start-up period.

Contact Information

If you have any questions, please contact your assigned Permit Engineer:

Flora W Chan, Air Quality Engineer I

Tel: (415) 749-4630 **Fax:** (415) 749-4949 **Email:** fchan@baaqmd.gov

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Authority to Construct

(This is not a Permit to Operate)

Plant No. 20140
Application No. 21705

Shell Oil Products US

4212 1st Street, Pleasanton, CA 94566

is hereby granted an *Authority to Construct* for the following equipment:

S-1 Soil Vapor Extraction System, 150 scfm vacuum blower

abated by

A-1 SVE Abatement System

SVE Abatement System, Thermal/Catalytic Oxidizer/ 2 Carbon drums

Equipment above is subject to attached condition no. 24667.

Approved by

for JACK P. BROADBENT
EXECUTIVE OFFICER / APCO

Issue date: June 29, 2010
Expiration date: June 28, 2012

Start-up Notification

Instructions: At least **seven days** before the scheduled initial operation contact your assigned Permit Engineer via email or complete and send this Start-up Notification to the District via fax or mail.

Engineer: Flora W Chan, Air Quality Engineer I
Tel: (415) 749-4630 **Fax:** (415) 749-4949
Email: fchan@baaqmd.gov

Plant No. 20140
Source No. S-1
Application No. 21705

The initial operation of this equipment is scheduled for _____ (month/day/year)

Print your first and last name _____

Telephone No. _____

Plant Name: Shell Oil Products US

S-1 Soil Vapor Extraction System, 150 scfm vacuum blower

Condition No. 24667 Plant No. 20140 Application No. 21705

1. Precursor Organic Compound (POC) emissions from Source S -1 shall be abated by Abatement device A-1 SVE Abatement System, consisting of either a Thermal Oxidizer, Catalytic Oxidizer, or at least two (200 lbs minimum capacity) Activated Carbon Vessels during all periods of operation. Start-up and subsequent operation of each abatement device shall take place only after written notification of same has been received by the District's Engineering Division. Influent vapor flow shall not exceed 150 scfm. [Basis, Reg 8-47-301,302].

2. The POC abatement efficiency of abatement device A-1 shall be maintained at a minimum of 98.5% by weight for inlet POC concentrations greater than or equal to 2000 ppmv (measured as hexane). For inlet concentrations below 2000 ppmv and greater than or equal to 200 ppmv, a minimum abatement efficiency of 97% shall be maintained. For inlet concentrations below 200 ppmv, a minimum abatement efficiency of 90% shall be maintained. The minimum abatement efficiency shall be waived if outlet POC concentrations are shown to be less than 10 ppmv (measured as hexane). In no event shall Benzene emissions to the atmosphere exceed 0.05 pounds per day for sources S-1.
3. While operating as a Thermal Oxidizer, the minimum operating temperature of A-1 shall not be less than 1400 degrees Fahrenheit. While operating as a Catalytic Oxidizer, the minimum operating temperature of A-1 shall not be less than 600 degrees Fahrenheit.
4. To determine compliance with Condition Number 3, the Thermal/Catalytic Oxidizer shall be equipped with continuous measuring and temperature recording instrumentation. The temperature data collected from the temperature recorder shall be maintained in a file which shall be available for District inspection for a period of at least 2 years following the date on which such data are recorded.
5. To determine compliance with Condition 2, within ten days after start-up of the Thermal Oxidizer, and within ten days after start-up of the Catalytic Oxidizer, the operator of these sources shall:
   a. Analyze inlet gas stream to determine the flow rate and concentration of POC present.
   b. Analyze exhaust gas to determine the flow rate, and the concentration of Benzene and POC present.
   c. Calculate the Benzene emission rate in pounds per day based on the exhaust gas analysis and the operating exhaust flow rate. The soil vapor flow rate shall be decreased, if necessary, to demonstrate compliance with Condition 2.

d. Calculate the POC abatement efficiency based on the inlet and exhaust gas analysis. For the purpose of determining compliance with condition 2, the POC concentration shall be reported as hexane.

e. Submit to the District's Engineering Division the test results and emission calculations within one month from the testing date. Samples shall be analyzed according to modified EPA test methods 8015 and 8020 or their equivalent to determine the concentrations of POC and Benzene.

6. The operator of this source shall maintain the following records for each month of operation of the Thermal/Catalytic Oxidizer:

a. Days and hours of operation.

b. Each emission test, analysis or monitoring results logged-in for the day of operation they were taken.

c. Analysis results for any catalyst plugs removed from the bed to determine remaining life of the catalyst.

Such records shall be retained and made available for inspection by the District for two years following the date the data is recorded. [basis: Reg. 1-523]

7. During operation of the Activated Carbon Vessels, the operator of this source shall monitor with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the District's Source Test Manager at the following locations:

a. At the inlet to the second to last Carbon vessel in series.

b. At the inlet to the last Carbon vessel in series.

c. At the outlet of the Carbon vessel that is last in series prior to venting to the atmosphere.

When using an FID to monitor breakthrough, readings may be taken with and without a Carbon filter tip fitted on the FID probe. Concentrations measured with the Carbon filter tip in place shall be considered methane for the purpose of these permit conditions.

8. These monitor readings shall be recorded in a monitoring log at the time they are taken. The monitoring results shall be used to estimate the frequency of Carbon change-out necessary to maintain compliance with conditions number 9 and 10, and shall be conducted on a daily basis. The operator of this source may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed based on the decline in organic emissions and/or the

demonstrated breakthrough rates of the carbon vessels. Written approval by the District's Engineering Division must be received by the operator prior to a change to the monitoring schedule.

9. The second to last Carbon vessel shall be immediately changed out with unspent carbon upon breakthrough, defined as the detection at its outlet in excess of the higher of the following limits:
   a. 10 % of the inlet stream concentration to the carbon bed.
   b. 10 ppmv (measured as hexane).
10. The last Carbon vessel shall be immediately changed out with unspent Carbon upon detection at its outlet of 10 ppmv or greater (measured as hexane).
11. The operator of this source shall maintain the following information for each month of operation of the Activated Carbon Vessels:
   a. Hours and time of operation.
   b. Each emission test, analysis or monitoring results logged in for the day of operation they were taken.
   c. The number of Carbon vessels removed from service.

   Such records shall be retained and made available for inspection by the District for two years following the date the data is recorded. [basis: Reg.523]
12. Any non-compliance with these conditions shall be reported to the Compliance and Enforcement Division at the time that it is first discovered. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well as the time of occurrence.
13. The operator shall maintain a file containing all measurements, records and other data that are required to be collected pursuant to the various provisions of this conditional Authority to Construct/Permit to Operate. All measurements, records and data required to be maintained by the operator shall be retained for at least two years following the date the data is recorded [basis: Reg 1-523].
14. Upon final completion of the remediation project, the operator of Source S-1 shall notify the Engineering Division within two weeks of decommissioning the operation.

End of Conditions

Suzanne McClurkin-Nelson

From: Suzanne McClurkin-Nelson

Sent: Tuesday, August 31, 2010 4:59 PM

To: 'Wickham, Jerry, Env. Health'

Cc: 'denis.l.brown@shell.com'; Suzanne McClurkin-Nelson; Regina Bussard; Matt Lambert; Oscar Valdez

Subject: August 2010 Monthly Status Report (System Installation) - 4212 First, Pleasanton (Fuel Leak Case No. RO0000360)

Attachments: Installation schedule as of 083110.pdf

Hi Jerry;

The planning permit application package was re-submitted to the City of Pleasanton Planning Division on August 2, 2010 (via hand delivery). The Planning Division associate in charge of our permit request will be on vacation most of September, so we were hoping to get this wrapped up in August and submit a permit request to the Building Department immediately following receipt of the planning permit. Unfortunately, we have not yet received our Planning permit, and it was in fact handed off to someone else within the department because Marion's time was diverted to a large project, as far as we understand. We are hoping to get the permit within the next week or two and will submit the building permit application as soon as possible following receipt of the planning permit. A preliminary determination will be made at that time as to whether the Building Department application will need to go through legal review; if so, the turnaround is anticipated to be at a minimum 3-4 weeks for the Building Department permit. We are hopeful that we will not be required to go through the legal review, in which case the building permit could be issued within a week.

We are looking at installing the remaining remediation wells at the site in the next 6 weeks (nine air sparge wells and one additional SVE well); system installation (trenching to remediation wells and installation of the remediation compound and equipment) is currently targeted for early winter (Nov). Currently, there are four SVE wells and one air sparge well at the site (installed in order to conduct a pilot test).

A monthly status report for September 2010 will be scheduled for submittal to you no later than September 30, 2010. I've attached an updated schedule; please let me know if you have any questions or comments. Thanks!

Suzanne McClurkin-Nelson | Consultant | North American Operations
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 408 826 1875 | Mobile +1 408 796 8889 | Alternate +1 408 582 4422
smcclurkin-nelson@deltaenv.com | www.deltaenv.com

Proposed Schedule for SVE/AS System Installation and Startup
Shell-Branded Service Station
4226 First Street (aka 4212 First Street)
Pleasanton, California

Task Description	2009		2010											
	November	December	January	February	March	April	May	June	July	August	September	October	November	December
Complete engineering drawings for SVE/AS system; submit for internal review, submit to sub-contrators for bid estimates	11/20/09													
First request to subcontractors for system installation bid	11/23/09													
General PG&E application submitted (power to site)		12/3/09												
Preliminary bids for system installation received from subcontractors		12/9/09												
Permit application for SVE/AS/Observation Well installations submitted		12/9/09												
Get revised drawings from Drafting		12/17/09												
Revised Bids requested from Subcontractors		12/17/09												
Preliminary award to subcontractor for system install		12/30*09												
SVE Well permit applications sent to Subcontractor for signatures		12/9/09												
SVE (and one AS) Well Permits granted/received		12/15/09												
Install four SVE wells (SVE-1 through SVE-4), observ. well (OBS-1) and a test air sparge well (SP-10)			1/12-14/10											
Complete air sparge pilot testing; analytical samples submitted (5-day TAT)			1/26/10											
Planning permit application submitted (with drawings and other required documents); 3-4 week review anticipated				2/9/10										
Receive response to Planning Dept. Permit (need additional info, site photos, additional design copies)					3/2/10									
BAAQMD application package for Authority to Construct submitted					3/10/10									
Submit additional fees to BAAQMD for ATC						4/23/10								
System design review/revisions based on planning department comments and air sparge result analysis						*(in progress)*	5/27/10							
Planning permit application re-submitted with revisions							5/28/10							
Submit air sparge pilot test report								6/7/10						
Request risk analysis from BAAQMD								6/22/10						
Complete system design drawing revisions								6/24/10						
PG&E work (prep electrical supply for site)								(delayed)						
Conduct noise survey (per Planning Dept. request)									(cancelled)					
Receive ATC from BAAQMD									7/22/10 (issued 6/29/10)					
Re-submit Planning Permit Application										8/2/10				
Planning permit received											*(early Sept)*			
Submit Building permit application; 10 days needed for review/issue											*(mid Sept)*			
Building Dept. finishes application review and sends comments and changes											*(late Sept)*			
Building Dept. permit application re-submitted with revisions; 7 to 10 days needed for review/issue											*(late Sept)*			
Install remaining remediation wells AS-1 to AS-9 & SVE-5											*(late Sept)*			
Building permit received												*(early Oct)*		
Schedule system installation activities												*(mid Oct)*		
System installation (currently estimated at 4 weeks)														
Startup notification to BAAQMD (at least 3 days prior to startup)														
PG&E final power hookup														
System shakedown, inspection, trouble-shooting														
System startup and sampling														
Begin continuous operation (assuming all compliance parameters are met)														
Startup report to BAAQMD & ACEH (*or as required by the ATC)														

Please note the above calendar assumes a limited turnaround time for agency review of respective permits and applications, and will be updated as changes occur throughout the process.

Suzanne McClurkin-Nelson

From: Suzanne McClurkin-Nelson
Sent: Thursday, September 30, 2010 4:51 PM
To: Wickham, Jerry, Env. Health
Cc: denis.l.brown@shell.com; Regina Bussard; Suzanne McClurkin-Nelson; Matt Lambert; Oscar Valdez
Subject: September 2010 Monthly Status Report (System Installation) - 4212 First, Pleasanton (Fuel Leak Case No. RO0000360)
Attachments: Installation schedule as of 093010.pdf

Hi Jerry;

The planning permit was conditionally approved by the City of Pleasanton Planning Division in a letter dated September 22, 2010. Delta is working on requested revisions for submittal to the Building Department and currently planning on submitted the permit application on or around October 8, 2010. A preliminary determination should be made by the Building Department on receipt of the application as to whether the application will need to go through legal review; if so, the turnaround is anticipated to be at a minimum 3-4 weeks for the Building Department permit. We are hopeful that we will not be required to go through the legal review, in which case the building permit could be issued within a week.

We are currently planning to install the remaining remediation wells at the site in late October (nine air sparge wells and one additional SVE well); system installation (trenching to remediation wells and installation of the remediation compound and equipment) is currently targeted for early winter (Nov/Dec). Currently, there are four SVE wells and one air sparge well at the site (installed in order to conduct a pilot test).

A monthly status report for October 2010 will be scheduled for submittal to you no later than October 29, 2010. I've attached an updated schedule; please let me know if you have any questions or comments. Thanks!

Suzanne McClurkin-Nelson | Consultant | North American Operations
Delta Consultants, an Oranjewoud N.V. Company
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smcclurkin-nelson@deltaenv.com | www.deltaenv.com

Proposed Schedule for SVE/AS System Installation and Startup
Shell-Branded Service Station
4226 First Street (aka 4212 First Street)
Pleasanton, California

Task Description	2009		2010											
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Revised Bids requested from Subcontractors		12/17/09												
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SVE (and one AS) Well Permits granted/received		12/15/09												
Install four SVE wells (SVE-1 through SVE-4), observ. well (OBS-1) and a test air sparge well (SP-10)			1/12-14/10											
Complete air sparge pilot testing; analytical samples submitted (5-day TAT)			1/26/10											
Planning permit application submitted (with drawings and other required documents); 3-4 week review anticipated				2/9/10										
Receive response to Planning Dept. Permit (need additional info, site photos, additional design copies)					3/2/10									
BAAQMD application package for Authority to Construct submitted					3/10/10									
Submit additional fees to BAAQMD for ATC						4/23/10								
System design review/revisions based on planning department comments and air sparge result analysis						*(in progress)*	5/27/10							
Planning permit application re-submitted with revisions							5/28/10							
Submit air sparge pilot test report								6/7/10						
Request risk analysis from BAAQMD								6/22/10						
Complete system design drawing revisions								6/24/10						
PG&E work (prep electrical supply for site)								(delayed)						
Conduct noise survey (per Planning Dept. request)									(cancelled)					
Receive ATC from BAAQMD									7/22/10 (issued 6/29/10)					
Re-submit Planning Permit Application										8/2/10				
Planning permit received											9/27/10			
Submit Building permit application; 10 days needed for review/issue												*10/8/10*		
Building Dept. finishes application review and sends comments and changes												*10/22/10*		
Building Dept. permit application re-submitted with revisions; 7 to 10 days needed for review/issue												*10/29/10*		
Install remaining remediation wells AS-1 to AS-9 & SVE-5												*10/29/10*		
Building permit received													*(early Nov)*	
Schedule system installation activities													*(early Nov)*	
System installation (currently estimated at 4 weeks)														
Startup notification to BAAQMD (at least 3 days prior to startup)														
PG&E final power hookup														
System shakedown, inspection, trouble-shooting														
System startup and sampling														
Begin continuous operation (assuming all compliance parameters are met)														
Startup report to BAAQMD & ACEH (*or as required by the ATC)														

Please note the above calendar assumes a limited turnaround time for agency review of respective permits and applications, and will be updated as changes occur throughout the process.

APPENDIX B

BLAINE TECH SERVICES, INC.
FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 4212 First Street Pleasanton, CA. Date 8-5-10

Job Number 100805-J01 Technician JD Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X	X							
MW-1B	X	X							
MW-2	X	X							
MW-3	X	X							
MW-4	X	X							

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

WELL GAUGING DATA

Project # 100805-JO1 Date 8-05-10 Client Shell

Site ~~100805-JO1~~ 4212 First St., Pleasanton

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0744	2					33.70	57.00	TOC	
MW-1B	0750	4					90.10	107.82		
MW-2	0753	4					33.82	45.83		
MW-3	0742	4					32.00	34.60		
MW-4	0756	4					32.22	46.71		

SHELL WELL MONITORING DATA SHEET

BTS #: 100805-SO1	Site: 4212 First Street Pleasanton
Sampler: SO	Date: 8-5-10
Well I.D.: MW-1	Well Diameter: (2) 3 ~~4~~ 6 8 ____
Total Well Depth (TD): 57.00	Depth to Water (DTW): 33.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 38.36	

Purge Method: Bailer; Disposable Bailer; (Positive Air Displacement); ~~Electric Submersible~~; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

3.7 (Gals.) X	3	=	11.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0839	67.7	6.62	1903	103	3.7	
0843	67.8	6.68	1994	156	7.4	
0847	67.9	6.75	1918	202	11.1	
well dew down						

Did well dewater? Yes (No) Gallons actually evacuated: 11.1

Sampling Date: 8-5-10 Sampling Time: 1300 Depth to Water: 37.29

Sample I.D.: MW-1 Laboratory: (CalScience) Columbia Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100805-SO1	Site: 4212 First Street Pleasanton
Sampler: SO	Date: 8-5-10
Well I.D.: MW-1B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 107.82	Depth to Water (DTW): 90.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 93.64	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

11.5 (Gals.) X	3	=	34.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0810	67.2	6.59	1236	31	11.5	
0813	67.3	6.81	1234	18	23.0	
0815	67.8	6.83	1233	12	34.5	

Did well dewater? Yes (No) Gallons actually evacuated: 34.5

Sampling Date: 8-5-10 Sampling Time: 1305 Depth to Water: 90.15

Sample I.D.: MW-1B Laboratory: (CalScience) Columbia Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100805-SO1	Site: 4217 First Street Pleasanton
Sampler: SO	Date: 8-5-10
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 45.83	Depth to Water (DTW): 33.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.22	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

7.8 (Gals.) X	3	=	23.4 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0822	67.5	6.54	939	13	7.8	
		Rewatered @ 14 gallons				
1315	67.4	6.62	921	11	—	

Did well dewater? (Yes) No Gallons actually evacuated: 14.0

Sampling Date: 8-5-10 Sampling Time: 1315 Depth to Water: 35.80

Sample I.D.: MW-2 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100805-SO1	Site: 4212 First Street Pleasanton
Sampler: SO	Date: 8-5-10
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.60	Depth to Water (DTW): 32.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.52	

Purge Method: ~~Bailer~~ / ~~Disposable Bailer~~ / Positive Air Displacement / ~~Electric Submersible~~ / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: (Bailer) / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

1.7 (Gals.) X	3	=	5.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0802	66.2	6.81	822	12	1.7	
		Dewatered @ 2 gallons				
1250	66.8	6.83	833	10	—	

Did well dewater? (Yes) No Gallons actually evacuated: 2.0

Sampling Date: 8-5-10 Sampling Time: 1250 Depth to Water: 32.23

Sample I.D.: MW-3 Laboratory: (CalScience) Columbia Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100805-SO1	Site: 4212 First Street Pleasanton
Sampler: SO	Date: 8-5-10
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 46.71	Depth to Water (DTW): 32.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.11	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

9.4 (Gals.) X	3	= 28.2 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0954	67.5	6.82	926	27	9.4	
0856	67.3	6.79	939	36	18.8	
	Dewatered @ 20 gallons					
1245	67.1	6.86	928	18	←	

Did well dewater? (Yes) No Gallons actually evacuated: 20

Sampling Date: 8-5-10 Sampling Time: 1245 Depth to Water: 34.21

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

APPENDIX C

BLAINE TECH SERVICES, INC.
FIELD PROCEDURES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

August 23, 2010

Denis Brown
Shell Oil Products US
2095 South Wilmington Avenue
Carson, CA 90810

Third Quarter 2010 Groundwater Monitoring at
Shell-branded Service Station
4212 First Street
Pleasanton, CA

Monitoring performed on August 5, 2010

Groundwater Monitoring Report **100805-JO-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

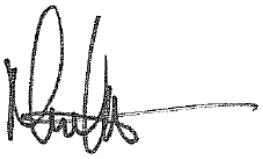
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,



Mike Ninokata
Project Manager

MN/np

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Suzanne McClurkin-Nelson
Delta Environmental
175 Bernal Rd., Suite 200
San Jose, CA 95119

BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS AT SHELL SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Shell comply with Shell's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Shell site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. MMC). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewaters and does not immediately recharge.

MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed a minimum of 2 hours to recharge prior to sampling. The water level at time of sampling will be noted.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Shell approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using a stainless steel, Teflon or disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Duplicates, if requested, may be collected at a site. The Field Technician uses their discretion in choosing the well at which the Duplicate is collected, typically one suspected of containing measurable contaminants. The Duplicate sample is labeled "DUP" and the time of collection is omitted from the COC, thus rendering the sample blind.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 54, 58 or 95) or HACH field test kits.

The YSI meters are equipped with a stirring device that enables them to collect accurate in-situ readings. The probe/stirring devices are modified to allow downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe and stirrer is lowered into the water column. The reading is allowed to stabilize prior to collection.

OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

APPENDIX D

CERTIFIED ANALYTICAL REPORT WITH CHAIN-OF-CUSTODY DOCUMENTATION

Calscience Environmental Laboratories, Inc.

August 18, 2010

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 10-08-0616**
Client Reference: 4212 First St., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/7/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.	Date Received:	08/07/10
1680 Rogers Avenue	Work Order No:	10-08-0616
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 4212 First St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**10-08-0616-1-A**	**08/05/10 13:00**	**Aqueous**	**GC/MS CC**	**08/12/10**	**08/13/10 06:10**	**100812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	12	10	20		Methyl-t-Butyl Ether (MTBE)	3800	20	20	
Ethylbenzene	ND	20	20		Tert-Butyl Alcohol (TBA)	1300	200	20	
Toluene	ND	20	20		TPPH	4200	1000	20	
Xylenes (total)	ND	20	20						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	115	80-126			1,2-Dichloroethane-d4	111	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	94	80-120							

MW-1B	**10-08-0616-2-A**	**08/05/10 13:05**	**Aqueous**	**GC/MS CC**	**08/12/10**	**08/13/10 06:41**	**100812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	116	80-126			1,2-Dichloroethane-d4	115	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	94	80-120							

MW-2	**10-08-0616-3-B**	**08/05/10 13:15**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/13/10 17:16**	**100813L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	10		Methyl-t-Butyl Ether (MTBE)	1400	10	10	
Ethylbenzene	ND	10	10		Tert-Butyl Alcohol (TBA)	210	100	10	
Toluene	ND	10	10		TPPH	1500	500	10	
Xylenes (total)	ND	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	80-126			1,2-Dichloroethane-d4	106	80-131		
Toluene-d8	98	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	96	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	08/07/10
1680 Rogers Avenue		Work Order No:	10-08-0616
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 4212 First St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**10-08-0616-4-A**	**08/05/10 12:50**	**Aqueous**	**GC/MS CC**	**08/12/10**	**08/13/10 07:42**	**100812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	1.2	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	120	80-126			1,2-Dichloroethane-d4	116	80-131		
Toluene-d8	101	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	94	80-120							

MW-4	**10-08-0616-5-B**	**08/05/10 12:45**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/13/10 17:48**	**100813L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	12	25		Methyl-t-Butyl Ether (MTBE)	3600	25	25	
Ethylbenzene	ND	25	25		Tert-Butyl Alcohol (TBA)	600	250	25	
Toluene	ND	25	25		TPPH	4000	1200	25	
Xylenes (total)	ND	25	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	80-126			1,2-Dichloroethane-d4	107	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	97	80-120							

Method Blank	**099-12-767-4,452**	**N/A**	**Aqueous**	**GC/MS CC**	**08/12/10**	**08/13/10 01:04**	**100812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	116	80-126			1,2-Dichloroethane-d4	110	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	95	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	08/07/10
1680 Rogers Avenue		Work Order No:	10-08-0616
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 4212 First St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-4,453**	**N/A**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/13/10 13:04**	**100813L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	80-126		1,2-Dichloroethane-d4	110	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	96	80-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 08/07/10
Work Order No: 10-08-0616
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-0617-1	**Aqueous**	**GC/MS CC**	**08/12/10**	**08/13/10**	**100812S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	80-120	0	0-20	
Ethylbenzene	93	94	73-127	1	0-20	
Toluene	97	96	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	95	98	65-131	3	0-22	
Tert-Butyl Alcohol (TBA)	95	96	62-134	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 08/07/10
Work Order No: 10-08-0616
Preparation: EPA 5030B
Method: EPA 8260B

Project 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-0161-3	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/13/10**	**100813S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	103	80-120	0	0-20	
Ethylbenzene	102	102	73-127	0	0-20	
Toluene	105	104	80-120	1	0-20	
Methyl-t-Butyl Ether (MTBE)	97	100	65-131	2	0-22	
Tert-Butyl Alcohol (TBA)	91	95	62-134	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	10-08-0616
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B

Project: 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,452	**Aqueous**	**GC/MS CC**	**08/12/10**	**08/13/10**	**100812L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	93	80-120	10	0-20	
Ethylbenzene	102	93	80-123	10	0-20	
Toluene	104	95	80-120	9	0-20	
Methyl-t-Butyl Ether (MTBE)	104	95	75-123	10	0-25	
Tert-Butyl Alcohol (TBA)	99	93	72-126	7	0-20	
TPPH	97	97	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 10-08-0616
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,453	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/13/10**	**100813L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	101	80-120	5	0-20	
Ethylbenzene	96	100	80-123	4	0-20	
Toluene	98	103	80-120	5	0-20	
Methyl-t-Butyl Ether (MTBE)	92	97	75-123	5	0-25	
Tert-Butyl Alcohol (TBA)	92	94	72-126	2	0-20	
TPPH	100	100	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-08-0616

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☑ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Suzanne McClurkin-Nelson
INCIDENT # (ENV SERVICES): 9 8 9 9 5 8 4 0 ☐ CHECK IF NO INCIDENT # APPLIES
DATE: 8-5-10
PO # / SAP #
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 4212 First St., Pleasanton
State: CA
GLOBAL ID NO.: T0600101259
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico, Delta, San Jose Office
PHONE NO.: 408.826.1862
E-MAIL: apico@deltaenv.com
CONSULTANT PROJECT NO.: 100805-J01
BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
TELEPHONE: (408)573-0555
FAX: (408)573-7771
E-MAIL: mninokata@blainetech.com
SAMPLER NAME(S) (Print): J. Ortiz
LAB USE ONLY: 1008 – 0616

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
CC Suzanne McClurkin-Nelson w/final report
smcclurkin-nelson@deltaenv.com
Run TPH-d w/Silica Gel Clean Up

☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	MW-1	8-5-10	1300	W	3					3	X		X		X	X								
2	MW-13	"	1305	"	"					"	X		X		X	X								
3	MW-2	"	1315	"	"					"	X		X		X	X								
4	MW-3	"	1250	"	"					"	X		X		X	X								
5	MW-4	"	1245	"	"					"	X		X		X	X								

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		8-5-10	1445
	Ta O'Malley CEL	8/6/10	1020
TO 0830 8-6-10 1730	CEL	8/7/10	0930

05/2/06 Revision

GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
BTS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514699503

SDS

ORC

D

GARDEN GROVE

D92843A

83728512

Print Date : 08/06/10 13:19 PM

Package 1 of 3

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-08-0616

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS

DATE: 08/17/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature >.8 °C + 0.5 °C (CF) = 3.3 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: YL

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: KP

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh (3) ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** KP

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC