



RECEIVED
2:35 pm, Aug 08, 2012
Alameda County
Environmental Health

ARCADIS US, INC.
100 Montgomery Street, Suite 300
San Francisco, California 94104
Tel 415.432.6901
Fax 415.374.2745
www.arcadis-us.com

Ms. Barbara Jakub via <ftp://alcoftp1.acgov.org>
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject:
Notification of Upcoming Enhanced Fluid Recovery Event
UPS Oakland Hub
8400 Pardee Drive, Oakland, CA 94621
Global ID # T0600100939
State ID # 583
Fuel Leak Case No. RO0000315

ENVIRONMENT

Date:
August 6, 2012

Dear Ms. Jakub:

Contact:
Hugh Devery

On behalf of United Parcel Service (UPS), ARCADIS U.S., Inc. (ARCADIS) is notifying Alameda County Department of Environmental Health (ACDEH) of the discovery of free product in a new location within the existing total petroleum hydrocarbon-diesel range organic (TPH-D) dissolved plume. As ACDEH is aware, injection wells and associated monitoring wells were permitted by Alameda County and installed under the supervision of both ARCADIS and the county inspector. These wells have been gauged and sampled as part of the baseline sampling recently requested by ACDEH. During these field events free product was discovered. A summary of free product measurements are provided in the attached table.

Phone:
404.952.1604

Email:
Hugh.Devery@arcadis-us.com

ARCADIS is notifying ACHDEH of an enhanced fluid recovery event (EFR) that will be conducted on wells in the TPH-DRO plume to remove free product. The EFR event is schedule for August 15, 2012

Our ref:
B0038398.0005

In addition, ARCADIS will submit a Work Plan to delineate the discovered free product in the next 30 days; due to ACDEH by September 5, 2012.

Imagine the result

If you have any questions regarding this event, please do not hesitate to contact me at 404.952.1604. Please send correspondence regarding this report to Mr. Paul Harper of UPS at the address provided below. Please copy ARCADIS on any such correspondence.

Sincerely,

ARCADIS U.S., Inc.



Jennifer Halcomb-LeBeau
Geologist II



Hugh Devery
Senior Geologist

Copies:

Paul Harper – UPS Corporate Plant Engineering; 55 Glenlake Parkway NE, Atlanta, GA 30328

Douglas Herman, Port of Oakland; 530 Water Street, Oakland, CA 94607

File

**TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY**

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to	Groundwater	Change in	Product	Volume
			Groundwater	Elevation	Measurement	Thickness	Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-1	7.43	8/28/1990	3.80	3.63	--	0.00	NR
		9/20/1990	3.99	3.44	-0.19	0.00	NR
		6/19/1991	3.47	3.96	0.52	NM	NR
		7/23/1991	3.70	3.73	-0.23	NM	NR
		8/26/1991	3.92	3.51	-0.22	NM	NR
		11/18/1991	4.21	3.22	-0.29	NM	NR
		2/3/1992	3.99	3.44	0.22	NM	NR
		6/29/1992	3.38	4.05	0.61	NM	NR
		6/23/1993	2.72	4.71	0.66	NM	NR
		10/11/1993	3.87	3.56	-1.15	NM	NR
		1/4/1994	3.34	4.09	0.53	NM	NR
		5/10/1994	2.14	5.29	1.20	NM	NR
		2/1/1995	1.84	5.59	0.30	NM	NR
		8/2/1995	3.10	4.33	-1.26	NM	NR
		10/16/1995	3.75	3.68	-0.65	NM	NR
		12/28/1995	3.56	3.87	0.19	NM	NR
		6/4/1997	3.16	4.27	0.40	0.00	NR
		9/30/1999	3.75	3.68	-0.59	0.00	NR
		10/11/2000	3.88	3.55	-0.13	0.00	NR
		9/3/2002	3.73	3.70	0.15	0.00	NR
		10/22/2002	5.11	2.32	-1.38	0.05	NR
		12/23/2002	3.51	3.92	1.60	0.00	NR
		3/28/2003	3.52	3.91	-0.01	0.00	NR
		5/30/2003	3.37	4.06	0.15	0.00	NR
		6/20/2003	3.50	3.93	-0.13	0.00	NR
		7/14/2003	3.65	3.78	-0.15	0.00	NR
		8/25/2003	3.87	3.56	-0.22	0.00	NR
		9/9/2003	4.02	3.41	-0.15	0.00	NR
		9/25/2003	4.10	3.33	-0.08	0.00	NR
		10/28/2003	4.29	3.14	-0.19	0.00	NR
		11/18/2003	4.32	3.11	-0.03	0.00	NR
		12/2/2003	4.34	3.09	-0.02	0.00	NR
		1/27/2004	3.88	3.55	0.46	0.00	NR
		2/24/2004	2.75	4.68	1.13	0.00	NR
		3/29/2004	3.45	3.98	-0.70	0.00	NR
		4/19/2004	3.55	3.88	-0.10	0.00	NR
		5/20/2004	3.69	3.74	-0.14	0.00	NR
		6/22/2004	3.81	3.82	-0.12	0.00	NR
		7/27/2004	3.99	3.44	-0.18	0.00	NR
		8/24/2004	4.14	3.29	-0.15	0.00	NR
		9/29/2004	4.32	3.11	-0.18	0.00	NR
		10/25/2004	3.89	3.54	0.43	0.00	NR
		12/15/2004	3.18	4.25	0.71	0.00	NR
		1/24/2005	2.69	4.74	0.49	0.00	NR
		2/23/2005	2.48	4.95	0.21	0.00	NR
		3/23/2005	2.21	5.22	0.27	0.00	NR
		4/29/2005	2.57	4.86	-0.36	0.00	NR
		5/27/2005	2.68	4.75	-0.11	0.00	NR
		6/29/2005	2.97	4.46	-0.29	0.00	NR
		7/20/2005	3.13	4.30	-0.16	0.00	NR
		8/24/2005	3.48	3.95	-0.35	0.00	NR
		9/27/2005	3.69	3.74	-0.21	0.00	NR
		10/19/2005	3.87	3.56	-0.18	0.00	NR
		11/29/2005	3.79	3.64	0.08	0.00	NR
		12/29/2005	3.08	4.35	0.71	0.00	NR
		1/31/2006	2.91	4.52	0.17	0.00	NR
2/28/2006	2.84	4.59	0.07	0.00	NR		
3/27/2006	2.26	5.17	0.58	0.00	NR		
4/28/2006	2.40	5.03	-0.14	0.00	NR		
6/27/2006	3.09	4.34	-0.69	0.00	NR		
7/31/2006	3.35	4.08	-0.26	0.00	NR		
8/29/2006	3.60	3.83	-0.25	0.00	NR		
9/28/2006	3.90	3.53	-0.30	0.00	NR		
10/27/2006	3.97	3.46	-0.07	0.00	NR		
11/22/2006	3.64	3.79	0.33	0.00	NR		
12/26/2006	3.04	4.39	0.60	0.00	NR		
1/25/2007	3.26	4.17	-0.22	0.00	NR		

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to	Groundwater	Change in	Product	Volume		
			Groundwater	Elevation	Measurement	Thickness	Product Recovered		
			(ft)	(ft)	(ft)	(ft)	(mL)		
MW-1	7.43	2/16/2007	3.12	4.31	0.14	0.00	NR		
		3/19/2007	2.91	4.52	0.21	0.00	NR		
		4/26/2007	2.93	4.50	-0.02	0.00	NR		
		5/29/2007	3.15	4.28	-0.22	0.00	NR		
		6/28/2007	3.42	4.01	-0.27	0.00	NR		
		7/30/2007	3.60	3.83	-0.18	0.00	NR		
		8/30/2007	3.85	3.58	-0.25	0.00	NR		
		9/25/2007	4.00	3.43	-0.15	0.00	NR		
		10/29/2007	4.05	3.38	-0.05	0.00	NR		
		11/29/2007	4.10	3.33	-0.05	0.00	NR		
		12/28/2007	3.80	3.63	0.30	0.00	NR		
		1/24/2008	3.14	4.29	0.66	0.00	NR		
		2/21/2008	2.44	4.99	0.70	0.00	NR		
		3/28/2008	2.84	4.59	-0.40	0.00	NR		
		4/30/2008	3.00	4.43	-0.16	0.00	NR		
		5/29/2008	3.24	4.19	-0.24	0.00	NR		
		6/25/2008	3.39	4.04	-0.15	0.00	NR		
		7/29/2008	3.64	3.79	-0.25	0.00	NR		
		8/27/2008	3.85	3.58	-0.21	0.00	NR		
		9/30/2008	4.08	3.35	-0.23	0.00	NR		
		10/31/2008	4.20	3.23	-0.12	0.00	NR		
		11/26/2008	4.14	3.29	0.06	0.00	NR		
		12/30/2008	3.94	3.49	0.20	0.00	NR		
		1/22/2009	3.93	3.50	0.01	0.00	NR		
		4/3/2009				ABANDONED			
		MW-2	7.15	8/28/1990	4.98	2.17	--	0.00	NR
				9/20/1990	4.94	2.21	0.04	N/A	NR
				6/19/1991	4.66	2.49	0.28	N/A	NR
				7/23/1991	4.81	2.34	-0.15	N/A	NR
				8/26/1991	4.89	2.26	-0.08	N/A	NR
				11/18/1991	4.93	2.22	-0.04	N/A	NR
				2/3/1992	4.44	2.71	0.49	N/A	NR
				6/29/1992	4.80	2.35	-0.36	N/A	NR
6/23/1993	4.38			2.77	0.42	N/A	NR		
10/11/1993	5.20			1.95	-0.82	N/A	NR		
1/4/1994	4.56			2.59	0.64	N/A	NR		
5/10/1994	4.20			2.95	0.36	N/A	NR		
2/1/1995	4.00			3.15	0.20	N/A	NR		
8/2/1995	4.71			2.44	-0.71	N/A	NR		
10/16/1995	5.02			2.13	-0.31	N/A	NR		
12/28/1995	4.56			2.59	0.46	N/A	NR		
6/12/1996	NM			--	--	0.25	NR		
6/4/1997	6.02			1.13	-1.46	Small globules	NR		
9/30/1999	4.95			2.20	1.07	0.00	NR		
10/11/2000	4.97			2.18	-0.02	0.08	NR		
2/12/2002	4.26			2.89	0.71	0.01	24.00		
9/3/2002	5.02			2.13	-0.76	0.07	NR		
9/27/2002	4.89			2.26	0.13	0.09	222.30		
10/22/2002	5.11			2.04	-0.22	0.05	125.00		
12/23/2002	4.25			2.90	0.86	0.04	99.00		
1/16/2003	4.28			2.87	-0.03	0.02	49.00		
2/12/2003	4.26			2.89	0.02	0.01	24.00		
3/28/2003	4.35			2.80	-0.09	0.01	25.00		
5/30/2003	3.60			3.55	0.75	0.02	49.00		
6/20/2003	4.55			2.60	-0.95	0.01	NR		
7/14/2003	4.56			2.59	-0.01	0.00	NR		
8/25/2003	4.79			2.36	-0.23	0.01	25.00		
9/9/2003	4.90			2.25	-0.11	0.01	NR		
9/25/2003	4.97			2.18	-0.07	0.01	25.00		
10/28/2003	4.98			2.17	-0.01	0.04	104.00		
11/18/2003	4.83			2.32	0.15	0.00	NR		
12/3/2003	4.87			2.28	-0.04	0.00	NR		
1/27/2004	7.39			-0.24	-2.52	0.00	NR		
2/24/2004	4.56			2.59	2.83	0.01	25.00		
3/29/2004	4.24			2.91	0.32	0.01	NR		
4/19/2004	4.50			2.65	-0.26	0.01	25.00		
5/20/2004	4.53	2.62	-0.03	0.00	NR				

**TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY**

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to	Groundwater	Change in	Product	Volume
			Groundwater	Elevation	Measurement	Thickness	Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-2	7.15	6/22/2004	4.65	2.50	-0.12	0.00	NR
		7/27/2004	4.80	2.35	-0.15	0.00	NR
		8/24/2004	5.93	1.22	-1.13	0.00	NR
		9/29/2004	5.00	2.15	0.93	0.02	50.00
		10/25/2004	4.68	2.47	0.32	0.00	NR
		12/15/2004	4.34	2.81	0.34	0.02	50.00
		1/24/2005	4.15	3.00	0.19	0.00	NR
		2/23/2005	4.95	2.20	-0.80	0.03	74.00
		3/23/2005	4.96	2.19	-0.01	0.02	49.00
		4/29/2005	4.23	2.92	0.73	0.10	246.00
		5/27/2005	4.20	2.95	0.03	0.02	50.00
		6/29/2005	4.29	2.86	-0.09	0.00	NR
		7/20/2005	4.48	2.67	-0.19	0.04	98.00
		8/24/2005	4.71	2.44	-0.23	0.00	NR
		9/27/2005	4.98	2.17	-0.27	0.03	70.00
		10/19/2005	5.08	2.07	-0.10	0.00	NR
		11/29/2005	4.68	2.47	0.40	0.01	25.00
		12/29/2005	4.19	2.96	0.49	0.01	NR
		1/31/2006	4.05	3.10	0.14	0.00	NR
		2/28/2006	4.16	2.99	-0.11	0.00	25.00
		3/27/2006	4.11	3.04	0.05	0.01	NR
		4/28/2006	4.03	3.12	0.08	0.00	NR
		6/27/2006	4.45	2.70	-0.42	0.01	NR
		7/31/2006	4.60	2.55	-0.15	0.02	49.00
		8/29/2006	4.84	2.31	-0.24	0.01	0.25
		9/28/2006	4.96	2.19	-0.12	0.03	NR
		10/27/2006	4.98	2.17	-0.02	0.00	NR
		11/22/2006	4.58	2.57	0.40	0.00	NR
		12/26/2006	4.22	2.93	0.36	0.02	NR
		1/25/2007	4.44	2.71	-0.22	0.00	NR
		2/16/2007	4.13	3.02	0.31	0.00	NR
		3/19/2007	4.30	2.85	-0.17	0.01	NR
		4/26/2007	4.17	2.98	0.13	0.03	NR
		5/29/2007	4.42	2.73	-0.25	0.01	25.00
		6/28/2007	5.16	1.99	-0.74	0.01	25.00
		7/30/2007	4.71	2.44	0.45	0.00	NR
		8/30/2007	4.94	2.21	-0.23	0.03	NR
		9/25/2007	5.06	2.09	-0.12	0.01	25.00
		10/29/2007	4.75	2.40	0.31	0.01	25.00
		11/29/2007	4.69	2.46	0.06	0.00	NR
		12/28/2007	4.35	2.80	0.34	0.00	NR
		1/24/2008	4.08	3.07	0.27	0.00	NR
		2/21/2008	3.97	3.18	0.11	0.01	25.00
		3/28/2008	4.18	2.97	-0.21	0.00	NR
		4/30/2008	4.40	2.75	-0.22	0.00	NR
		5/29/2008	4.58	2.57	-0.18	0.01	20.00
		6/25/2008	4.58	2.57	0.00	0.00	NR
		7/29/2008	4.85	2.30	-0.27	0.00	NR
		8/27/2008	4.89	2.26	-0.04	0.01	25.00
		9/30/2008	5.14	2.01	-0.25	0.04	98.00
		10/31/2008	5.23	1.92	-0.09	0.03	NR
		11/26/2008	4.74	2.41	0.49	0.04	NR
		12/30/2008	4.33	2.82	0.41	0.01	25.00
		1/22/2009	4.45	2.70	-0.12	0.01	25.00
5/5/2010	4.03	5.60	2.90	0.13	NR		
10/29/2010	4.98	4.65	-0.95	0.08	NR		
2/25/2011	3.73	5.90	0.30	0.00	NR		
6/14/2011	4.23	5.40	-0.10	0.00	0.00		
7/19/2011	4.72	4.91	0.49	0.01	59.15		
8/18/2011	4.80	4.83	0.08	sheen	0.00		
9/1/2011	4.96	4.67	-0.16	sheen	0.00		
9/20/2011	5.08	4.56	-0.11	0.01	591.47		
10/19/2011	4.77	4.86	0.30	0.01	591.47		
11/22/2011	4.92	4.71	-0.15	0.01	532.32		
12/26/2011	4.92	4.71	0.00	0.01	532.32		
1/23/2012	5.20	4.43	-0.28	0.28	561.83		
2/15/2012	5.18	4.47	0.04	0.03	591.40		
2/29/2012	4.75	4.88	0.17	0.02	NR		
5/1/2012	4.18	5.45	0.57	0.03	532.32		
6/5/2012	4.61	5.02	-0.43	0.01	NR		
7/3/2012	4.91	4.72	-0.16	0.03	532.32		
8/1/2012	4.93	4.70	-0.02	0.01	NR		
8/3/2012	4.98	4.65	-0.05	0.24	591.47		
MW-2 Product recovered prior to skimmer installation (Pre 6/14/2011):							1925.55
MW-2 Product recovered post skimmer installation (Post 6/14/2011):							516.07
MW-2 Total product recovered:							7041.62

**TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY**

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to	Groundwater	Change in	Product	Volume
			Groundwater	Elevation	Measurement	Thickness	Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-3	7.42	8/28/1990	3.88	3.54	--	0.00	NR
		9/20/1990	3.99	3.43	-0.11	0.00	NR
		6/19/1991	3.49	3.93	0.50	0.00	NR
		7/23/1991	3.71	3.71	-0.22	0.00	NR
		8/26/1991	3.94	3.48	-0.23	0.00	NR
		11/18/1991	4.23	3.19	-0.29	0.00	NR
		2/3/1992	4.01	3.41	0.22	0.00	NR
		6/29/1992	3.40	4.02	0.61	0.00	NR
		6/23/1993	2.75	4.67	0.65	0.00	NR
		10/11/1993	3.84	3.58	-1.09	0.00	NR
		1/4/1994	3.40	4.02	0.44	0.00	NR
		5/10/1994	2.25	5.17	1.15	0.00	NR
		2/1/1995	2.43	4.99	-0.18	0.00	NR
		8/2/1995	3.20	4.22	-0.77	0.00	NR
		10/16/1995	3.72	3.70	-0.52	0.00	NR
		12/28/1995	3.56	3.86	0.16	0.00	NR
		6/4/1997	3.20	4.22	0.36	0.00	NR
		6/3/1998	NM	--	--	0.00	NR
		9/30/1999	3.72	3.70	-0.52	0.00	NR
		10/11/2000	3.88	3.54	-0.16	0.00	NR
		9/3/2002	3.75	3.67	0.13	0.00	NR
		12/23/2002	3.50	3.92	0.25	0.00	NR
		3/28/2003	3.56	3.86	-0.06	0.00	NR
		5/30/2003	3.38	4.04	0.18	0.00	NR
		6/20/2003	3.52	3.90	-0.14	0.00	NR
		7/14/2003	3.65	3.77	-0.13	0.00	NR
		8/25/2003	3.99	3.43	-0.34	0.00	NR
		9/9/2003	3.99	3.43	0.00	0.00	NR
		9/25/2003	4.06	3.36	-0.07	0.00	NR
		10/28/2003	4.15	3.27	-0.09	0.00	NR
		11/18/2003	4.28	3.14	-0.13	0.00	NR
		12/2/2003	4.31	3.11	-0.03	0.00	NR
		1/27/2004	3.85	3.57	0.46	0.00	NR
		2/24/2004	3.70	3.72	0.15	0.00	NR
		3/29/2004	3.47	3.95	0.23	0.00	NR
		4/19/2004	3.55	3.87	-0.08	0.00	NR
		5/20/2004	3.65	3.77	-0.10	0.00	NR
		6/22/2004	3.83	3.59	-0.18	0.00	NR
		7/27/2004	3.98	3.44	-0.15	0.00	NR
		8/24/2004	4.14	3.28	-0.16	0.00	NR
		9/29/2004	4.30	3.12	-0.16	0.00	NR
		10/25/2004	3.85	3.57	0.45	0.00	NR
		12/15/2004	3.16	4.26	0.69	0.00	NR
		1/24/2005	2.65	4.77	0.51	0.00	NR
		2/23/2005	2.50	4.92	0.15	0.00	NR
		3/23/2005	2.48	4.94	0.02	0.00	NR
		4/29/2005	2.59	4.83	-0.11	0.00	NR
		5/27/2005	2.75	4.67	-0.16	0.00	NR
		6/29/2005	3.05	4.37	-0.30	0.00	NR
		7/20/2005	3.10	4.32	-0.05	0.00	NR
		8/24/2005	3.45	3.97	-0.35	0.00	NR
		9/27/2005	3.71	3.71	-0.26	0.00	NR
10/19/2005	3.73	3.69	-0.02	0.00	NR		
11/29/2005	3.75	3.67	-0.02	0.00	NR		
12/29/2005	3.08	4.34	0.67	0.00	NR		
1/31/2006	2.99	4.43	0.09	0.00	NR		
2/28/2006	2.95	4.47	0.04	0.00	NR		
3/27/2006	2.60	4.82	0.35	0.00	NR		
4/28/2006	2.90	4.52	-0.30	0.00	NR		
6/27/2006	3.01	4.41	-0.11	0.00	NR		
7/31/2006	4.33	3.09	-1.32	0.00	NR		
8/29/2006	3.62	3.80	0.71	0.00	NR		
9/28/2006	3.80	3.62	-0.18	0.00	NR		
10/27/2006	3.90	3.52	-0.10	0.00	NR		
11/22/2006	3.60	3.82	0.30	0.00	NR		
12/26/2006	3.07	4.35	0.53	0.00	NR		
1/25/2007	3.25	4.17	-0.18	0.00	NR		

**TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY**

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to	Groundwater	Change in	Product	Volume	
			Groundwater	Elevation	Measurement	Thickness	Product Recovered	
			(ft)	(ft)	(ft)	(ft)	(mL)	
MW-3	7.42	2/18/2007	3.09	4.33	0.16	0.00	NR	
		3/19/2007	2.83	4.59	0.26	0.00	NR	
		4/25/2007	2.94	4.48	-0.11	0.00	NR	
		5/29/2007	3.18	4.24	-0.24	0.00	NR	
		6/28/2007	3.41	4.01	-0.23	0.00	NR	
		7/30/2007	3.62	3.80	-0.21	0.00	NR	
		8/30/2007	3.84	3.58	-0.22	0.00	NR	
		9/25/2007	4.03	3.39	-0.19	0.00	NR	
		10/29/2007	4.06	3.36	-0.03	0.00	NR	
		11/29/2007	4.10	3.32	-0.04	0.00	NR	
		12/28/2007	3.78	3.64	0.32	0.00	NR	
		1/24/2008	3.16	4.27	0.63	0.00	NR	
		2/21/2008	2.41	5.02	0.75	0.00	NR	
		3/28/2008	2.94	4.48	-0.54	0.00	NR	
		4/30/2008	3.08	4.34	-0.14	0.00	NR	
		5/29/2008	3.24	4.18	-0.16	0.00	NR	
		6/25/2008	3.30	4.12	-0.06	0.00	NR	
		7/29/2008	3.50	3.92	-0.20	0.00	NR	
		8/27/2008	3.84	3.58	-0.34	0.00	NR	
		9/30/2008	4.03	3.39	-0.19	0.00	NR	
		10/31/2008	4.20	3.22	-0.17	0.00	NR	
		11/26/2008	4.23	3.19	-0.03	0.00	NR	
		12/30/2008	3.96	3.46	0.27	0.00	NR	
		1/22/2009	3.96	3.46	0.00	0.00	NR	
	5/5/2010	3.13	6.76	3.30	0.02	NR		
	10/29/2010	4.70	5.19	-1.57	0.00	NR		
	2/25/2011	1.54	8.35	3.16	0.02	NR		
	6/14/2011	3.25	6.64	-1.71	0.05	0.00		
	7/19/2011	3.53	6.36	-0.28	0.02	532.32		
	8/18/2011	3.98	5.91	-0.45	sheen	591.47		
	9/1/2011	4.12	5.77	-0.14	sheen	591.47		
	9/20/2011	4.41	5.48	-0.29	sheen	591.47		
	10/19/2011	4.34	5.55	0.07	sheen	561.90		
	11/22/2011	4.75	5.14	-0.41	sheen	532.32		
	12/20/2011	NR	--	--	--	532.32		
	12/26/2011	4.70	5.19	-0.29	sheen	532.32		
	1/23/2012	4.11	5.78	0.64	0.01	532.26		
	2/15/2012	4.90	4.99	-0.79	0.02	591.40		
	2/29/2012	4.14	5.75	0.56	0.03	NR		
	5/1/2012	2.91	6.98	1.23	0.01	532.32		
	6/5/2012	3.80	6.09	-0.89	0.00	NR		
	7/3/2012	4.22	5.67	-0.08	0.01	532.32		
	8/1/2012	4.58	5.31	-0.36	0.00	NR		
	8/3/2012	4.61	5.28	-0.03	0.00	532.32		
	MW-3 Product recovered prior to skimmer installation (Pre 6/14/2011):							NR
	MW-3 Product recovered post skimmer installation (Post 6/14/2011):							7186.21
	MW-3 Total product recovered:							7186.21
	MW-4	9.77	5/5/2010	2.96	6.81	--	0.00	NR
10/29/2010			4.53	5.24	-1.57	0.00	NR	
2/25/2011			1.34	8.43	3.19	0.00	NR	
9/1/2011			3.99	5.78	0.54	0.00	NR	
2/29/2012			3.91	5.86	-2.57	0.00	NR	
6/5/2012			3.59	6.18	0.32	0.00	NR	
8/1/2012			4.45	5.32	-0.86	0.00	NR	
5/5/2010			2.56	5.66	--	0.00	NR	
MW-8	8.22	10/29/2010	4.39	3.83	-1.83	0.00	NR	
		2/25/2011	2.69	5.53	1.70	0.00	NR	
		9/1/2011	3.67	4.55	0.72	0.00	NR	
		2/29/2012	3.63	4.59	-0.94	0.00	NR	
		6/5/2012	3.15	5.07	0.48	0.00	NR	
		8/1/2012	3.77	4.45	-0.62	0.00	NR	
MW-9	14.63	5/5/2010	6.28	8.35	--	0.00	NR	
		10/29/2010	6.28	8.35	0.00	0.00	NR	
		2/25/2011	5.55	9.08	0.73	0.00	NR	
		9/1/2011	6.05	8.58	0.23	0.00	NR	
		2/29/2012	5.98	8.65	-0.43	0.00	NR	
		6/5/2012	3.76	10.87	2.22	0.00	NR	
MW-10	9.68	8/1/2012	6.11	8.52	-2.35	0.00	NR	
		5/5/2010	8.28	1.40	--	0.00	NR	
		10/29/2010	8.27	1.41	0.01	0.00	NR	
		2/25/2011	4.45	5.23	3.82	0.00	NR	
		9/1/2011	8.35	1.33	-0.08	0.00	NR	
		2/29/2012	8.32	1.36	-0.05	0.00	NR	
MW-11	9.49	6/5/2012	8.20	1.48	0.12	0.00	NR	
		8/1/2012	8.34	1.34	-0.14	0.00	NR	
		5/5/2010	7.21	2.28	--	0.00	NR	
		10/29/2010	6.83	2.66	0.38	0.00	NR	
		2/25/2011	2.83	6.66	4.00	0.00	NR	
		9/1/2011	6.05	3.44	0.78	0.00	NR	
MW-12	9.43	2/29/2012	5.89	3.60	0.94	0.00	NR	
		6/5/2012	5.68	3.81	0.21	0.00	NR	
		8/1/2012	6.16	3.33	-0.48	0.00	NR	
		6/5/2012	6.31	3.12	--	0.72	NR	
MW-13	9.10	8/1/2012	5.99	3.44	0.32	1.40	NR	
		8/3/2012	5.85	3.58	0.14	1.30	NR	
		6/5/2012	4.50	4.60	--	0.00	NR	
MW-14	9.29	8/1/2012	5.15	3.95	-0.65	0.00	NR	
		6/5/2012	2.53	6.76	--	--	NR	
		8/1/2012	3.69	5.60	-1.16	0.00	NR	

**TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY**

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to	Groundwater	Change in	Product	Volume
			Groundwater	Elevation	Measurement	Thickness	Product Recovered
			(ft)	(ft)	(ft)		(mL)
OW-1	N/A	6/4/1997	7.22	NC	--	0.01	NR
		9/30/1999	8.35	NC	1.13	0.01	NR
		10/11/2000	6.90	NC	-1.45	0.09	NR
		2/12/2002	5.23	NC	-1.67	0.01	38.00
		9/3/2002	NR	NC	NR	0.08	NR
		9/27/2002	7.02	NC	1.79	0.14	345.78
		10/22/2002	7.34	NC	0.32	0.01	40.00
		12/23/2002	5.17	NC	-2.17	0.03	167.00
		1/16/2003	4.97	NC	-0.20	0.01	40.00
		2/12/2003	5.23	NC	0.26	0.01	38.00
		3/28/2003	5.16	NC	-0.07	0.01	25.00
		5/30/2003	4.41	NC	-0.75	0.02	77.00
		6/20/2003	4.93	NC	0.52	0.01	NR
		7/14/2003	5.33	NC	0.40	0.00	NR
		8/25/2003	5.85	NC	0.52	0.00	NR
		9/9/2003	6.33	NC	0.48	0.00	NR
		9/25/2003	6.52	NC	0.19	0.01	25.00
		10/28/2003	7.26	NC	0.74	0.03	176.00
		11/18/2003	7.29	NC	0.03	0.00	NR
		12/2/2003	7.23	NC	-0.06	0.03	115.00
	1/27/2004	7.96	NC	0.73	0.01	NR	
	2/24/2004	6.26	NC	-1.70	0.02	112.00	
	3/29/2004	6.08	NC	-0.18	0.02	NR	
	4/19/2004	6.29	NC	0.21	0.03	116.00	
	5/20/2004	6.16	NC	-0.13	0.00	NR	
	6/22/2004	6.37	NC	0.21	0.00	NR	
	7/27/2004	5.67	NC	-0.70	0.04	225.00	
	8/24/2004	6.81	NC	1.14	0.00	NR	
	9/29/2004	7.08	NC	0.27	0.04	153.00	
	10/25/2004	6.74	NC	-0.34	0.04	NR	
	12/15/2004	5.33	NC	-1.41	0.04	155.00	
	1/24/2005	3.98	NC	-1.35	0.00	NR	
	2/23/2005	3.44	NC	-0.54	0.01	NR	
	3/23/2005	3.34	NC	-0.10	0.02	77.00	
	4/29/2005	6.89	NC	3.55	0.13	501.00	
	5/27/2005	7.18	NC	0.29	0.11	425.00	
	6/29/2005	7.12	NC	-0.06	0.10	450.00	
	7/20/2005	7.20	NC	0.08	0.10	556.00	
	8/24/2005	7.15	NC	-0.05	0.06	249.00	
	9/27/2005	7.43	NC	0.28	0.12	450.00	
	10/19/2005	7.48	NC	0.05	0.11	425.00	
	11/29/2005	7.00	NC	-0.48	0.04	153.00	
	12/29/2005	5.22	NC	-1.78	0.00	NR	
	1/31/2006	5.64	NC	0.42	0.00	NR	
	2/28/2006	6.53	NC	0.89	0.01	39.00	
	3/27/2006	5.80	NC	-0.73	0.01	NR	
	4/28/2006	6.39	NC	0.59	0.00	NR	
	6/27/2006	7.82	NC	1.43	0.06	NR	
	7/31/2006	5.82	NC	-2.00	0.05	278.00	
	8/29/2006	7.05	NC	1.23	0.07	268.00	
	9/28/2006	7.10	NC	0.05	0.02	NR	
	10/27/2006	7.27	NC	0.17	0.02	NR	
11/22/2006	7.05	NC	-0.22	0.02	NR		
12/26/2006	6.73	NC	-0.32	0.03	NR		
1/25/2007	7.15	NC	0.42	0.00	NR		
2/16/2007	7.71	NC	0.56	0.01	NR		
3/19/2007	6.77	NC	-0.94	0.02	NR		
4/26/2007	6.66	NC	-0.11	0.01	NR		
5/29/2007	6.86	NC	0.20	0.02	76.00		
6/28/2007	6.97	NC	0.11	0.20	75.00		
7/30/2007	7.06	NC	0.09	0.01	NR		
8/30/2007	7.25	NC	0.19	0.03	NR		
9/25/2007	7.25	NC	0.00	0.03	115.00		
10/29/2007	7.43	NC	0.18	0.02	78.00		
11/29/2007	7.37	NC	-0.06	0.00	NR		
12/28/2007	7.28	NC	-0.09	0.01	40.00		
1/24/2008	6.61	NC	-0.67	0.01	38.00		
2/21/2008	6.33	NC	-0.28	0.01	37.00		
3/28/2008	6.80	NC	0.47	0.01	NR		
4/30/2008	7.44	NC	0.64	0.03	166.90		
5/29/2008	7.09	NC	-0.35	0.01	38.00		
6/25/2008	7.07	NC	-0.02	0.02	112.00		
7/29/2008	7.34	NC	0.27	0.00	NR		
8/27/2008	7.28	NC	-0.06	0.02	78.00		
9/30/2008	7.82	NC	0.54	0.03	167.00		
10/31/2008	7.31	NC	-0.51	0.01	NR		
11/26/2008	6.93	NC	-0.38	0.01	NR		
12/30/2008	7.25	NC	0.32	0.02	112.00		
1/22/2009	7.05	NC	-0.20	0.01	56.00		

**TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY**

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to	Groundwater	Change in	Product	Volume
			Groundwater	Elevation	Measurement	Thickness	Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
OW-1	9.55	5/5/2010	7.08	2.47	--	0.06	NR
		10/29/2010	7.37	2.18	-0.29	0.08	NR
		2/25/2011	6.17	3.38	1.20	0.05	NR
		6/14/2011	6.78	2.77	-0.61	0.08	0.00
		7/19/2011	7.30	2.25	-0.52	0.20	118.29
		8/18/2011	7.35	2.20	-0.05	0.03	147.87
		9/1/2011	7.35	2.20	0.00	0.03	147.87
		9/20/2011	7.41	2.14	-0.06	0.04	591.47
		10/19/2011	7.42	2.13	-0.01	0.03	532.32
		11/22/2011	7.09	2.46	0.33	0.03	29.57
		12/20/2011	NR	--	--	0.02	147.90
		12/26/2011	7.32	2.23	0.09	0.02	147.87
		1/23/2012	6.90	2.65	0.19	0.30	532.26
		2/15/2012	7.32	2.23	-0.42	0.02	591.40
		2/29/2012	7.54	2.01	-0.22	0.08	NR
		5/1/2012	7.14	2.41	0.40	0.01	532.32
		6/5/2012	8.55	1.00	-1.41	0.01	NR
		7/3/2012	7.63	1.92	0.92	0.04	295.70
		8/1/2012	7.81	1.74	-0.18	0.00	NR
		8/3/2012	7.50	2.05	0.31	0.14	591.47
OW-1 Product recovered prior to skimmer installation (Pre 6/14/2011):							6907.68
OW-1 Product recovered post skimmer installation (Post 6/14/2011):							4406.31
OW-1 Total product Recovered:							11313.99
IW-1	9.50	6/5/2012	6.24	3.26	--	0.59	NR
		8/1/2012	7.29	2.21	-1.05	1.23	NR
		8/3/2012	5.91	3.59	1.38	1.10	NR
IW-2	9.02	6/5/2012	4.76	4.26	--	0.00	NR
		8/1/2012	5.54	3.48	-0.78	0.00	NR
IW-3	8.93	6/5/2012	3.82	5.11	--	0.00	NR
		8/1/2012	4.77	4.16	-0.95	0.00	NR
IW-4	9.96	6/5/2012	3.77	6.19	--	0.00	NR
		8/1/2012	4.64	5.32	-0.87	0.00	NR
IW-5	9.88	6/5/2012	3.68	6.20	--	0.00	NR
		8/1/2012	4.72	5.16	-1.04	0.00	NR
IW-6	9.67	6/5/2012	3.74	5.93	--	0.00	NR
		8/1/2012	4.36	5.31	-0.62	0.00	NR
Total product recovered from skimmers (MW-2, MW-3 and OW-1):							
Total product recovered prior to skimmer installation (mL):							8833.2
Total product recovered prior to skimmer installation (oz):							298.0
Total product recovered prior to skimmer installation (gal):							2.3
Total product recovered post skimmer installation (mL):							16708.6
Total product recovered post skimmer installation (oz):							564.0
Total product recovered post skimmer installation (gal):							4.4
Total product recovered (mL):							25541.8
Total product recovered (oz):							863.0
Total product recovered (gal):							6.7

Notes:

- Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
 - Depth to groundwater measured from notch/mark on north edge of well casing
 - Sources: Geraghty and Miller, 1996; BBL
 - mL: milliliters
 - oz: ounces
 - gal: gallons
 - NM = Not measured; NC = Not calculated; N/A= Not Available; NR = No Recovery
 - SPH detected but amount insufficient to bail
- Volume of product recovered on 9/27/02 and 3/23/05 calculated based on measurements from field data sheets