

RO 315
~~RO 583~~

Alameda County
MAR 09 2004
Environmental Health

January 23, 2004

Mr. Amir K. Gholami, REHS
Hazardous Materials Specialist
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

**RE: Free Product Recovery Update Report
UPS - Oakland Hub, 8400 Pardee Drive, Oakland, California
State ID # 583**

Dear Mr. Gholami:

On behalf of United Parcel Service (UPS), Blasland, Bouck & Lee, Inc. (BBL) is pleased to present this report detailing free product recovery activities at the above-referenced facility. This report summarizes data collected during free product recovery efforts from monitoring wells MW-2 and OW-1.

FREE PRODUCT RECOVERY

Free product gauging and recovery activities have been ongoing since September 2002. Free product is measured with an electronic interface probe and collected (recovered) using disposable bailers. To date the largest apparent thickness of free product has been 0.14 feet measured on September 27, 2002, in OW-1. To date approximately <0.1 gallon of free product and contact water has been recovered. **Table 1** summarizes historical groundwater elevation data for the facility. **Figure 1** is a site monitoring well configuration map.

PLANNED FUTURE ACTIVITIES

Free product gauging and recovery activities will be performed monthly at the facility until product is not detected for six months continuously. At that time a sampling event will be conducted, and a request for closure will be made. Future free product recovery data will be presented in the Semi-Annual Monitoring & Sampling Reports.

If you have any questions concerning this report, please feel free to contact the BBL project manager Hugh Devery at (770) 428-9009 ext. 11. Please direct all correspondence to Linda Lyons of UPS at the address listed below and copy BBL.

Sincerely,

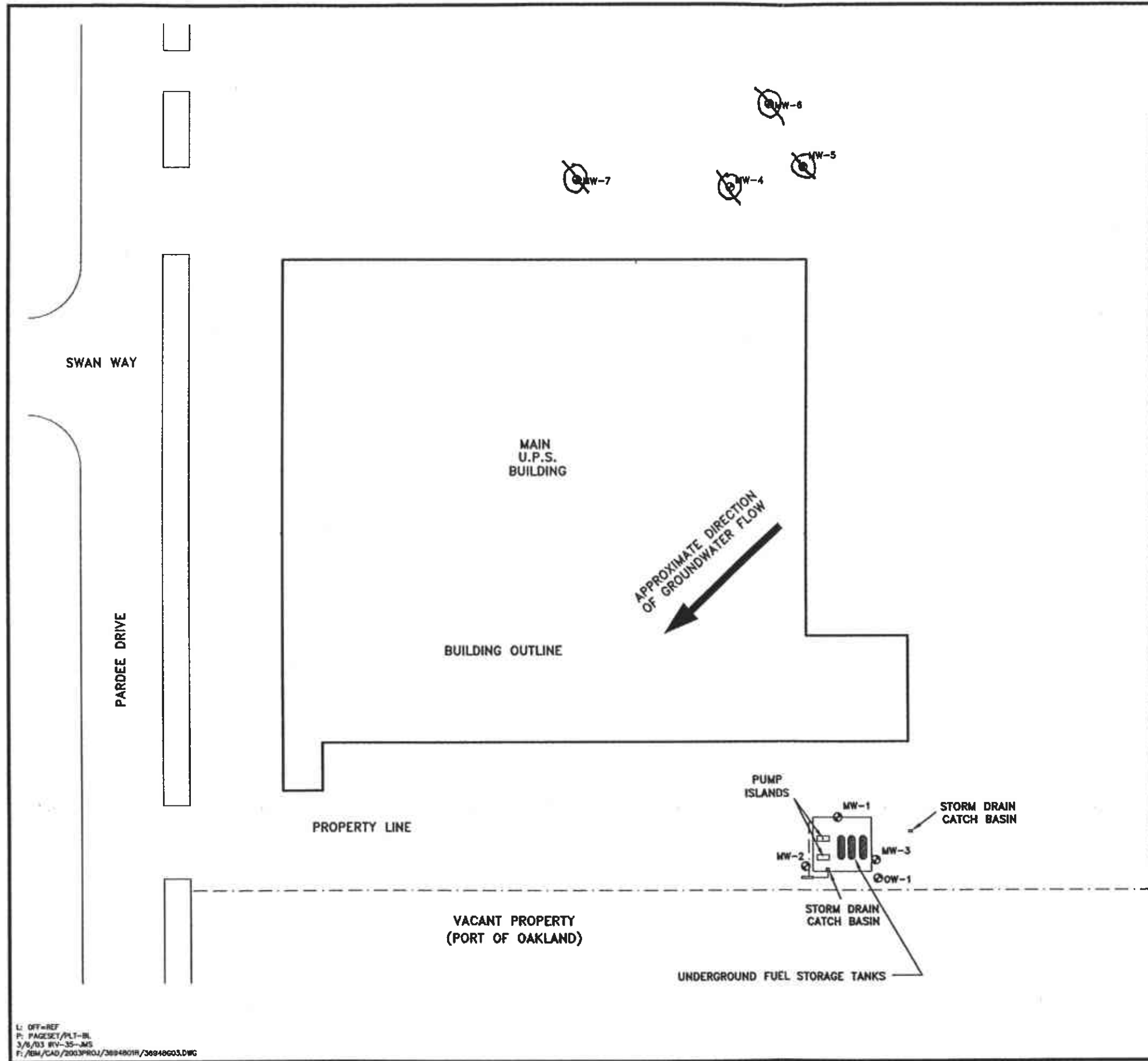
BLASLAND, BOUCK & LEE, INC.



Hugh B. Devery
Senior Geologist

DPP/mrs

cc: Linda Lyons, UPS, 55 Glenlake Parkway, NE, Atlanta, Georgia 30328
File



Alameda County
Environmental Health
MAR. 02, 2004

0 100' 200'
GRAPHIC SCALE

LEGEND:

MW-3 EXISTING GROUNDWATER MONITORING WELLS INSTALLED BY GERAGHTY & MILLER

BUILDING OUTLINE

ABANDONED WELL

UNITED PARCEL SERVICE, INC.
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA

MONITORING WELL LOCATION MAP

BBL
BLAIR, BOUCK & LEE, INC.
Engineers & Scientists

FIGURE
1

L: OFF-REF
P: PAGESET/PLT-BL
3/6/03 RV-35-JMS
F:/EM/CAD/2003PROJ/3694801R/3694803.DWG

**TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY**

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

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)
MW-1	7.43	8/28/1990	3.80	3.63	--	Sheen
		9/20/1990	3.99	3.44	-0.19	None
		6/19/1991	3.47	3.96	0.52	NM
		7/23/1991	3.70	3.73	-0.23	NM
		8/26/1991	3.92	3.51	-0.22	NM
		11/18/1991	4.21	3.22	-0.29	NM
		2/3/1992	3.99	3.44	0.22	NM
		6/29/1992	3.38	4.05	0.61	NM
		6/23/1993	2.72	4.71	0.66	NM
		10/11/1993	3.87	3.56	-1.15	NM
		1/4/1994	3.34	4.09	0.53	NM
		5/10/1994	2.14	5.29	1.20	NM
		2/1/1995	1.84	5.59	0.30	NM
		8/2/1995	3.10	4.33	-1.26	NM
		10/16/1995	3.75	3.68	-0.65	NM
		12/28/1995	3.56	3.87	0.19	NM
		6/4/1997	3.16	4.27	0.40	None
		6/3/1998	NM	N/A	N/A	Sheen
		9/30/1999	3.75	3.68	N/A	Sheen
		10/11/2000	3.88	3.55	-0.13	Sheen
		9/3/2002	3.73	3.70	0.15	None
		10/22/2002	5.11	2.32	-1.38	0.05
		12/23/2002	3.51	3.92	1.60	None
		3/28/2003	3.52	3.91	-0.01	None
		6/20/2003	3.50	3.93	0.02	None
		7/14/2003	3.65	3.78	-0.15	None
		8/25/2003	3.87	3.56	-0.22	Sheen
		9/9/2003	4.02	3.41	-0.15	None
		9/25/2003	4.10	3.33	-0.08	None
		10/28/2003	4.29	3.14	-0.19	None
11/18/2003	4.32	3.11	-0.03	None		
12/2/2003	4.34	3.09	-0.02	None		
1/27/2004	3.88	3.55	0.46	None		

Notes:

1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. NM = Not measured; NC = Not calculated; N/A= Not Available

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8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)	
MW-2	7.15	8/28/1990	4.98	2.17	—	Sheen	
		9/20/1990	4.94	2.21	0.04	N/A	
		6/19/1991	4.66	2.49	0.28	N/A	
		7/23/1991	4.81	2.34	-0.15	N/A	
		8/26/1991	4.89	2.26	-0.08	N/A	
		11/18/1991	4.93	2.22	-0.04	N/A	
		2/3/1992	4.44	2.71	0.49	N/A	
		6/29/1992	4.80	2.35	-0.36	N/A	
		6/23/1993	4.38	2.77	0.42	N/A	
		10/11/1993	5.20	1.95	-0.82	N/A	
		1/4/1994	4.56	2.59	0.64	N/A	
		5/10/1994	4.20	2.95	0.36	N/A	
		2/1/1995	4.00	3.15	0.2	N/A	
		8/2/1995	4.71	2.44	-0.71	N/A	
		10/16/1995	5.02	2.13	-0.31	N/A	
		12/28/1995	4.56	2.59	0.46	N/A	
		6/12/1996	NM	N/A	N/A	N/A	0.25
		6/4/1997	6.02	1.13	N/A	N/A	Small globules
		9/30/1999	4.95	2.20	1.07	Sheen	
		10/11/2000	4.97	2.18	-0.02	0.08	
		9/3/2002	5.02	2.13	-0.05	0.07	
		9/27/2002	4.89	2.26	0.13	0.09	
		12/23/2002	4.25	2.90	0.64	0.04	
		2/12/2003	4.26	2.89	-0.01	0.01	
		3/28/2003	4.35	2.80	-0.09	0.01	
		6/20/2003	4.55	2.60	-0.20	0.01	
		7/14/2003	4.56	2.59	-0.01	0.00	
		8/25/2003	4.79	2.36	-0.23	0.01	
		9/9/2003	4.90	2.25	-0.11	0.01	
		9/25/2003	4.97	2.18	-0.07	0.01	
		10/28/2003	4.98	2.17	-0.01	0.04	
11/18/2003	4.83	2.32	0.15	0.00			
12/3/2003	4.87	2.28	-0.04	0.00			
1/27/2004	7.39	-0.24	-2.52	Sheen			

Notes:

1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
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TABLE 1
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OAKLAND, CALIFORNIA
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Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)	
MW-3	7.42	8/28/1990	3.88	3.54	-	Sheen	
		9/20/1990	3.99	3.43	-0.11	N/A	
		6/19/1991	3.49	3.93	0.50	N/A	
		7/23/1991	3.71	3.71	-0.22	N/A	
		8/26/1991	3.94	3.48	-0.23	N/A	
		11/18/1991	4.23	3.19	-0.29	N/A	
		2/3/1992	4.01	3.41	0.22	N/A	
		6/29/1992	3.40	4.02	0.61	N/A	
		6/23/1993	2.75	4.67	0.65	N/A	
		10/11/1993	3.84	3.58	-1.09	N/A	
		1/4/1994	3.40	4.02	0.44	N/A	
		5/10/1994	2.25	5.17	1.15	N/A	
		2/1/1995	2.43	4.99	-0.18	N/A	
		8/2/1995	3.20	4.22	-0.77	N/A	
		10/16/1995	3.72	3.70	-0.52	N/A	
		12/28/1995	3.56	3.86	0.16	N/A	
		6/4/1997	3.20	4.22	0.36	None	
		6/3/1998	NM	N/A	N/A	N/A	Sheen
		9/30/1999	3.72	3.70	-0.52	Sheen	
		10/11/2000	3.88	3.54	-0.16	Sheen	
		9/3/2002	3.75	3.67	0.13	0.00	
		12/23/2003	3.50	3.92	0.25	0.00	
		3/28/2003	3.56	3.86	-0.06	0.00	
		6/20/2003	3.52	3.90	0.04	0.00	
		7/14/2003	3.65	3.77	-0.13	0.00	
		8/25/2003	3.99	3.43	-0.34	0.00	
		9/9/2003	3.99	3.43	0.00	0.00	
9/25/2003	4.06	3.36	-0.07	0.00			
10/28/2003	4.15	3.27	-0.09	0.00			
11/18/2003	4.28	3.14	-0.13	0.00			
12/2/2003	4.31	3.11	-0.03	0.00			
1/27/2004	3.85	3.57	0.46	0.00			
OW-1	N/A	6/4/1997	7.22	NC	---	Trace	
		9/30/1999	8.35	NC	-1.13	0.01	
		10/11/2000	6.90	NC	1.45	0.09	
		10/22/2002	7.34	NC	-0.44	0.01	
		9/27/2002	7.02	NC	0.32	0.14	
		12/23/2002	5.17	NC	1.85	0.03	
		1/16/2003	4.97	NC	0.20	0.01	
		2/12/2003	5.23	NC	-0.26	0.01	
		3/28/2003	5.16	NC	0.07	0.01	
		6/20/2003	4.93	NC	0.23	0.01	
		7/14/2003	5.33	NC	-0.40	0.00	
		8/28/2003	5.85	NC	-0.52	0.00	
		9/9/2003	6.33	NC	-0.48	Sheen	
		9/25/2003	6.52	NC	-0.19	0.01	
		10/28/2003	7.26	NC	0.74	0.03	
		11/18/2003	7.29	NC	0.03	0.00	
		12/2/2003	7.23	NC	-0.06	0.03	
1/27/2004	7.96	NC	0.73	0.01			

Notes:

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