



# Subsurface Consultants, Inc.

ENVIRONMENTAL  
PROTECTION

97 MAR 31 PM 3:46

R. William Rudolph, P.E.  
President

March 26, 1997  
SCI 447.055

Mr. George Hill  
655 University Avenue, Suite 100  
Sacramento, California 95825

Mr. Gordon Linden  
150 La Salle Avenue  
Piedmont, California 94611

**Project Update**  
**Free Product Recovery**  
**3093 Broadway**  
**Oakland, California**

Dear Gentlemen:

This letter summarizes the results of free product recovery performed by Subsurface Consultants, Inc. (SCI) at the referenced site. On March 5, 1997, all the wells were checked for the presence of free product. Free product was recovered only from well MW-4 by hand bailing. The thickness and recovery of free product during this event is significantly less than recorded during past events. To date, a total of approximately 240 gallons of product have been removed as summarized below. The soil vapor extraction system (SVES) was started on October 29, 1996. As of the March 11, 1997 vapor sampling event, approximately 98 gallons of product have been removed by the SVES. Product recovery and depth to groundwater data are presented on the attached Tables 1 and 2.

Well	Product Thickness	Product Removed	Total Cumulative
	3/5/97 (feet)		Removed 3/5/97 (gal)
MW-1	0.00	0.00	9.77
MW-4	0.06	0.01	47.93
MW-6	0.00	NA	83.40
MW-9	0.00	0.00	<u>0.10</u>
		Total by bailing	141.20
		MW-6(by SVES)	98.34
		<b>Total Product Removed</b>	<b>239.54</b>

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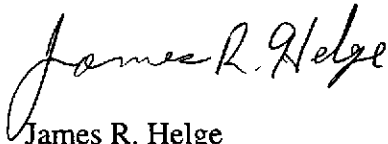
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The next date that SCI will recover free product by hand bailing will be the first week of April 1997. We will continue to recover product from MW-6 using the SVES.

On March 18, 1997, SCI met with Ms. Susan Hugo of the Alameda County Health Care Services Agency to discuss future monitoring at the site. Ms. Hugo indicated that monthly reporting of the product level measurements will no longer be necessary, and the monthly measurements can be incorporated into future groundwater monitoring reports. As such, SCI will present product level measurements for April in the May 1997 annual monitoring report. If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



James R. Helge  
Environmental Scientist



Samuel C. Won, PE, REA  
Project Engineer

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Attachment: Table 1 - Free Product Recovery  
Table 2 - Groundwater and Free Product Elevation Data

cc: Ms. Susan Hugo  
Senior Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway  
Alameda, California 94502-6577

Mr. Jonathan Redding  
Fitzgerald, Abbott & Beardsley  
1221 Broadway, 21st Floor  
Oakland, California 94612

**TABLE 1**  
**FREE PRODUCT RECOVERY**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>Removal Date</u>	<u>Product Removed (gallons)</u>	<u>Cumulative Product Removed (gallons)</u>
MW-1	12/23/91	2.00	2.00
	12/26/91	0.50	2.50
	1/13/92	1.00	3.50
	2/28/92	2.00	5.50
	11/9/93	0.50	6.00
	11/3/95	0.25	6.75
	11/30/95	0.25	7.00
	1/3/96	0.53	7.53
	2/2/96	0.75	8.28
	3/1/96	0.10	8.38
	4/4/96	0.00	8.38
	5/2/96	0.00	8.38
	6/5/96	0.10	8.48
	7/9/96	0.10	8.58
	8/8/96	0.05	8.63
	9/10/96	0.10	8.73
	10/1/96	0.25	8.98
	11/4/96	0.13	9.11
	12/2/96	0.26	9.37
	1/3/97	0.39	9.76
2/6/97	0.01	9.77	
3/5/97	0.00	9.77	
MW-4	12/23/91	2.50	2.50
	12/26/91	6.00	8.50
	1/10/92	5.00	13.50
	2/28/92	4.00	17.50
	3/11/92	3.50	21.00
	3/13/92	3.50	24.50
	3/17/92	2.25	26.75

**TABLE 1**  
**FREE PRODUCT RECOVERY**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>Removal Date</u>	<u>Product Removed (gallons)</u>	<u>Cumulative Product Removed (gallons)</u>
MW-4	3/18/92	2.50	29.25
(cont.)	3/19/92	1.50	30.75
	3/23/92	4.00	34.75
	3/24/92	1.50	36.25
	3/25/92	1.00	37.25
	3/26/92	1.00	38.25
	3/27/92	0.50	38.75
	3/31/92	0.50	39.25
	4/1/92	0.25	39.50
	4/2/92	0.13	39.63
	4/6/92	0.13	39.76
	4/10/92	0.25	40.01
	4/13/92	0.25	40.26
	4/20/92	0.13	40.39
	5/4/92	0.13	40.52
	5/18/92	0.13	40.65
	5/26/92	0.13	40.78
	6/1/92	0.06	40.84
	6/29/92	0.25	41.09
	7/29/92	1.11	42.20
	8/28/92	1.68	43.88
	4/3/93	0.13	44.01
	11/9/93	0.03	44.04
	8/30/95	1.75	45.79
	10/2/95	0.50	46.29
	11/3/95	0.25	46.54
	11/30/95	0.25	46.79
	1/3/96	0.05	46.84
	2/2/96	0.10	46.94
	3/1/96	0.20	47.14

**TABLE 1**  
**FREE PRODUCT RECOVERY**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>Removal Date</u>	<u>Product Removed (gallons)</u>	<u>Cumulative Product Removed (gallons)</u>
MW-4 (cont.)	4/4/96	0.20	47.34
	5/2/96	0.20	47.54
	6/5/96	0.15	47.59
	7/9/96	0.16	47.75
	8/8/96	0.00	47.75
	9/10/96	0.05	47.80
	10/1/96	0.05	47.85
	11/4/96	0.02	47.87
	12/2/96	0.02	47.89
	1/3/97	0.02	47.91
	2/6/97	0.01	47.92
	3/5/97	0.01	47.93
	MW-6	12/23/91	7.50
12/26/91		2.00	9.50
1/10/92		1.00	10.50
2/4/92		2.00	12.50
2/28/92		3.00	15.50
3/10/92		2.75	18.25
3/12/92		2.00	20.25
3/23/92		1.00	21.25
3/30/92		0.50	21.75
4/10/92		0.25	22.00
4/13/92		0.13	22.13
4/20/92		0.13	22.26
5/4/92		0.13	22.39
5/8/92		0.06	22.45
5/26/92		0.13	22.58
6/1/92		0.06	22.64
6/29/92	0.19	22.83	

**TABLE 1**  
**FREE PRODUCT RECOVERY**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>Removal Date</u>	<u>Product Removed (gallons)</u>	<u>Cumulative Product Removed (gallons)</u>
MW-6 (cont.)	7/29/92	0.60	23.43
	8/28/92	2.40	25.83
	12/2/92	(obstruction in well)	--
	4/3/93	1.75	27.58
	11/9/93	0.83	28.41
	8/30/95	4.50	32.91
	10/2/95	4.0	36.91
	11/3/95	3.00	39.91
	11/30/95	2.50	42.41
	1/3/96	2.50	44.91
	2/2/96	5.00	49.90
	3/1/96	4.00	53.90
	4/4/96	5.00	58.90
	5/2/96	4.50	63.40
	6/5/96	4.00	67.40
	7/9/96	4.50	71.90
	8/8/96	4.00	75.90
	9/10/96	3.50	79.40
	10/1/96	4.00	83.40
	11/4/96	NM*	NM*
12/2/96	NM*	NM*	
1/3/97	NM*	NM*	
2/6/97	NM*	NM*	
3/5/97	NM*	NM*	
MW-9	8/8/96	0.10	0.10
	9/10/96	0.00	0.10
	10/1/96	0.00	0.10
	11/4/96	0.00	0.10
	12/2/96	0.00	0.10

**TABLE 1  
FREE PRODUCT RECOVERY  
3093 BROADWAY  
OAKLAND, CALIFORNIA**

<u>Well</u>	<u>Removal Date</u>	<u>Product Removed (gallons)</u>	<u>Cumulative Product Removed (gallons)</u>
MW-9	1/3/97	0.00	0.10
(cont.)	2/6/97	0.00	0.10
	3/5/97	0.00	0.10
<b>Total Product removed by bailing</b>			<b>141.20</b>
<b>Total Product removed by Soil Vapor Extraction</b>			<b><u>98.34</u></b>
<b>Cumulative Total of Product Removed</b>			<b>239.54</b>

\* NM - Not measured. Product is currently being removed by vapor extraction from this well.

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-1	94.48	10/3/90	26.40	68.08	NM	--
		3/5/91	27.46	67.02	NM	--
		3/18/91	26.88	67.60	NM	--
		4/12/91	25.49	68.99	NM	--
		12/23/91	26.86	67.62	1.15	68.77
		12/26/91	26.08	68.40	0.22	68.63
		1/13/92	26.53	67.95	0.66	68.61
		2/28/92	27.75	66.73	0.42	67.15
		5/18/92	24.75	69.73	NM	--
		6/29/92	25.09	69.39	0.04	69.43
		7/29/92	25.46	69.02	0.15	69.17
		8/28/92	25.56	68.92	0.29	69.21
		10/28/92	26.44	68.04	0.52	68.56
		11/24/92	26.63	67.85	NM	--
		12/22/92	26.37	68.11	NM	--
		4/5/93	23.77	70.71	0.00	--
		7/20/93	24.51	69.97	0.60	70.57
		11/9/93	26.06	68.42	1.17	69.59
		8/30/95	21.73	72.75	0.23	72.98
		9/15/95	21.88	72.61	0.15	72.75
		10/2/95	22.42	72.06	0.42	72.48
		11/3/95	23.10	72.74	0.76	73.50
		11/30/95	23.38	72.54	0.70	73.24
		1/3/96	23.30	72.62	0.78	73.40
		2/2/96	22.96	72.28	0.84	74.12
		3/1/96	21.69	72.79	0.14	72.65
		4/4/96	21.11	73.67	0.00	--
		5/2/96	20.96	73.83	0.00	--
		6/5/96	20.98	73.81	0.04	73.85
		7/9/96	21.64	72.84	0.20	73.04
		8/8/96	22.43	72.05	0.33	72.38
		9/10/96	23.25	71.23	0.60	71.83



**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-1 (cont.)	94.48	10/1/96	23.58	70.90	0.60	71.50
		11/4/96	24.29	70.19	0.78	70.97
		12/2/96	24.63	69.85	0.88	70.73
		1/3/97	24.08	70.40	0.81	71.21
		2/6/97	22.46	72.02	0.30	72.32
		3/5/97	23.00	71.48	0.00	--
		3/5/91	27.86	66.95	0.00	--
MW-2	94.81	3/18/91	27.46	67.35	0.00	--
		4/12/91	26.98	67.83	0.00	--
		5/18/92	26.50	68.31	0.00	--
		6/29/92	26.80	68.01	0.00	--
		7/29/92	27.08	67.73	0.00	--
		8/28/92	27.33	67.48	0.00	--
		10/28/92	27.65	67.16	0.00	--
		11/24/92	27.91	66.90	0.00	--
		12/22/92	27.74	67.07	--	--
		4/5/93	25.95	68.86	0.00	--
		7/20/93	25.59	69.22	0.00	--
		11/9/93	26.72	68.09	0.00	--
		8/30/95	25.75	69.06	0.00	--
		10/2/95	25.10	69.71	0.00	--
		11/3/95	25.73	69.02	0.00	--
		11/30/95	25.34	69.41	0.00	--
		1/3/96	25.32	69.43	0.00	--
		2/2/96	25.10	69.65	0.00	--
		3/1/96	24.05	70.76	0.00	--
		4/4/96	23.41	71.49	0.00	--
5/2/96	23.37	71.53	0.00	--		
6/5/96	23.75	71.11	0.00	--		
7/9/96	23.79	71.02	0.00	--		
8/8/96	24.27	70.54	0.00	--		

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-2 (cont.)	94.81	9/10/96	24.87	69.94	0.00	--
		10/1/96	25.12	69.69	0.00	--
		11/4/96	25.54	69.27	0.00	--
		12/2/96	25.74	69.07	0.00	--
		1/3/97	25.51	69.30	0.00	--
		2/6/97	24.68	70.13	0.00	--
		3/5/97	24.14	70.67	0.00	--
MW-3	90.08	3/6/91	23.17	66.91	NM	--
		3/18/91	22.76	67.32	NM	--
		4/12/91	22.51	67.57	NM	--
		5/12/92	23.17	66.91	NM	--
		6/29/92	22.90	67.18	NM	--
		7/29/92	22.17	67.91	NM	--
		8/28/92	22.28	67.80	NM	--
		10/28/92	22.67	67.41	0.00	--
		11/24/92	23.01	67.07	0.00	--
		12/22/92	22.91	67.17	--	--
		4/5/93	22.11	67.97	0.00	--
		7/20/93	23.93	66.15	0.00	--
		11/9/93	23.14	66.94	0.00	--
		8/29/95	20.61	69.47	0.00	--
		10/2/95	21.18	68.90	0.00	--
		11/3/95	20.74	69.60	0.00	--
		11/30/95	20.68	69.66	0.00	--
		1/3/96	20.58	69.76	0.00	--
		2/2/96	20.43	69.91	0.00	--
		3/1/96	20.24	69.84	0.00	--
4/4/96	18.50	71.58	0.00	--		
5/2/96	18.43	71.65	0.00	--		
6/5/96	18.51	71.57	0.00	--		
7/9/96	18.97	71.11	0.00	--		

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-3 (cont.)	90.08	8/8/96	19.51	70.57	0.00	--
		9/10/96	19.86	70.22	0.00	--
		10/1/96	20.04	70.04	0.00	--
		11/4/96	20.25	69.83	0.00	--
		12/2/96	20.40	69.68	0.00	--
		1/3/97	20.33	69.75	0.00	--
		2/6/97	19.98	70.10	0.00	--
		3/5/97	19.80	70.28	0.00	--
MW-4	88.84	3/5/91	23.79	65.05	NM	--
		3/18/91	22.30	66.54	NM	--
		4/12/91	21.85	66.99	NM	--
		12/23/91	22.63	66.22	0.98	67.19
		12/26/91	22.52	66.32	0.96	67.28
		1/10/92	22.74	66.10	0.99	67.09
		2/28/92	22.00	66.84	0.67	67.51
		3/11/92	21.71	67.13	0.55	67.68
		3/13/92	21.56	67.28	0.49	67.77
		3/17/92	25.46	63.38	0.44	63.82
		3/18/92	21.38	67.47	0.44	67.90
		3/19/92	21.33	67.51	0.48	67.99
		3/23/92	21.29	67.55	0.42	67.97
		3/24/92	21.31	67.53	0.38	67.90
		3/25/92	21.17	67.67	0.36	68.04
		3/26/92	21.08	67.76	0.35	68.11
		3/27/92	20.92	67.92	0.26	68.18
3/31/92	21.15	67.69	0.44	68.13		
4/1/92	20.90	67.94	0.24	68.18		
4/2/92	20.90	67.94	0.17	68.11		
4/10/92	20.91	67.93	0.33	68.26		
4/13/92	21.04	67.80	0.42	68.22		
4/20/92	20.74	68.10	0.19	68.29		

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-4	88.84	5/4/92	20.83	68.01	0.33	68.34
(cont.)		5/18/92	21.33	67.51	0.23	67.74
		5/26/92	20.83	68.01	0.17	68.18
		6/1/92	20.85	67.99	0.19	68.17
		6/29/92	21.38	67.46	0.53	67.99
		7/29/92	21.69	67.15	0.56	67.71
		8/28/92	21.35	67.49	0.63	68.12
		10/28/92	22.48	66.36	0.84	67.20
		11/24/92	22.60	66.24	NM	--
		12/22/92	22.47	66.37	NM	--
		4/3/93	20.11	68.73	0.51	69.24
		7/20/93	20.48	68.36	0.52	68.88
		11/9/93	21.71	67.13	0.63	67.76
		8/30/95	19.90	68.94	2.20	71.14
		9/15/95	18.76	70.08	0.57	70.65
		10/2/95	19.17	69.67	0.65	70.32
		11/3/95	19.45	69.39	0.44	69.83
		11/30/95	19.50	69.44	0.32	69.76
		1/3/96	19.31	69.53	0.20	69.73
		2/2/96	18.91	69.93	0.20	70.13
		3/1/96	18.25	70.59	0.19	70.78
		4/4/96	17.53	71.31	0.18	71.47
		5/2/96	17.50	71.34	0.25	71.59
		6/5/96	17.67	71.17	0.39	71.56
		7/9/96	18.29	70.55	0.50	71.05
		8/8/96	18.84	70.00	0.00	--
		9/10/96	19.31	69.53	0.34	69.87
		10/1/96	19.51	69.33	0.29	69.62
		11/4/96	20.13	68.71	0.35	69.06
		12/2/96	20.23	68.61	0.33	68.94
		1/3/97	19.33	69.51	0.10	69.61

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-4	88.84	2/6/97	18.13	70.72	0.01	70.73
(cont.)		3/5/97	18.17	70.67	0.02	70.69
MW-5	84.84	3/18/91	26.31	58.53	NM	--
		3/12/91	26.41	58.43	NM	--
		5/18/92	26.75	58.09	NM	--
		6/29/92	26.73	58.11	NM	--
		7/29/92	26.66	58.18	NM	--
		8/28/92	26.90	57.94	NM	--
		10/28/92	26.39	58.45	0.00	--
		11/24/92	26.83	58.01	0.00	--
		12/22/92	27.33	57.51	--	--
		4/3/93	26.62	58.22	0.00	--
		7/20/93	26.60	58.24	0.00	--
		11/9/93	27.24	57.60	0.00	--
		8/30/95	27.46	57.38	0.00	--
		10/2/95	26.85	57.99	0.00	--
		11/3/95	26.67	58.87	0.00	--
		11/30/95	27.05	58.49	0.00	--
		1/3/96	26.60	59.04	0.00	--
		2/2/96	26.70	59.14	0.00	--
		3/1/96	26.00	58.84	0.00	--
		4/4/96	26.20	58.64	0.00	--
		5/2/96	26.02	58.82	0.00	--
		6/5/96	25.91	58.93	0.00	--
		7/9/96	26.20	58.64	0.00	--
		8/8/96	26.38	58.46	0.00	--
		9/10/96	26.42	58.42	0.00	--
		10/1/96	26.52	58.32	0.00	--
		11/4/96	26.69	58.15	0.00	--
		12/2/96	26.70	58.14	0.00	--
		1/3/97	25.84	59.00	0.00	--

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-5	84.84	2/6/97	26.26	58.58	0.00	--
(cont.)		3/5/97	26.20	58.64	0.00	--
MW-6	85.62	3/18/91	25.82	59.80	NM	--
		4/12/91	27.23	58.39	NM	--
		12/23/91	28.40	57.22	3.21	60.44
		12/26/91	27.25	58.37	1.67	60.04
		1/10/92	27.23	58.39	0.90	59.29
		2/4/92	27.71	57.91	2.04	59.95
		2/28/92	27.92	57.70	3.00	60.70
		3/10/92	27.16	58.46	2.06	60.53
		3/12/92	25.96	59.66	0.52	60.18
		3/13/92	25.70	59.92	0.21	60.13
		3/23/92	26.34	59.28	1.09	60.37
		3/30/92	25.73	59.89	0.35	60.25
		4/10/92	25.29	60.33	0.05	60.38
		4/13/92	25.52	60.10	0.21	60.31
		4/20/92	25.38	60.25	0.10	60.35
		5/4/92	25.40	60.22	NM	--
		5/18/92	25.50	60.12	0.17	60.29
		5/26/92	25.46	60.16	0.13	60.29
		6/1/92	25.46	60.16	0.09	60.26
		6/29/92	25.59	60.03	0.14	60.17
		7/29/92	26.90	58.72	1.71	60.43
		8/28/92	25.09	60.53	2.62	63.15
		10/28/92	25.02	60.60	3.94	64.54
		11/24/92	28.87	56.75	NM	--
		4/3/93	26.96	58.66	2.86	61.52
		7/20/93	26.17	59.45	2.60	62.05
		11/9/93	27.51	58.11	3.06	61.17
		8/30/95	28.00	57.62	7.96	65.58
		9/15/95	28.24	57.38	6.14	63.52

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>		
MW-6 (cont.)	85.62	10/2/95	28.39	57.23	6.13	63.36		
		11/3/95	26.91	58.71	3.44	62.15		
		11/30/95	27.58	58.04	4.41	62.45		
		1/3/96	27.58	58.04	4.37	62.41		
		2/2/96	27.96	57.68	5.15	62.83		
		3/1/96	27.96	57.68	5.41	63.09		
		4/4/96	27.69	57.93	5.69	63.62		
		5/2/96	26.83	58.79	4.66	63.45		
		6/5/96	27.15	58.47	5.17	63.64		
		7/9/96	27.08	58.54	4.86	63.40		
		8/8/96	26.71	58.91	4.05	62.96		
		9/10/96	26.83	58.79	3.82	62.61		
		10/1/96	26.96	58.66	3.77	62.43		
		MW-6*	86.94	11/4/96	NM	NM	NM	NM
				12/2/96	NM	NM	NM	NM
1/3/97	NM			NM	NM	NM		
2/6/97	25.08			61.86	0.20	62.06		
3/5/97	24.20			62.74	0.00	--		
MW-7	85.41	3/18/91	21.63	63.78	NM	--		
		4/12/91	22.13	63.28	NM	--		
		5/18/92	21.67	63.74	NM	--		
		6/29/92	20.75	64.66	NM	--		
		7/29/92	21.07	64.34	NM	--		
		8/28/92	21.35	64.06	NM	--		
		10/28/92	21.81	63.60	0.00	--		
		11/24/92	21.52	63.89	0.00	--		
		12/22/92	obstructed	--	0.00	--		
		4/3/93	20.08	65.33	0.00	--		
		7/20/93	19.59	65.82	0.00	--		
		11/9/93	20.65	64.76	0.00	--		
		8/30/95	18.78	66.63	0.00	--		

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-7 (cont.)	85.41	10/2/95	18.73	66.68	0.00	--
		11/3/95	19.23	66.18	0.00	--
		11/30/95	19.47	65.94	0.00	--
		1/3/96	18.52	66.89	0.00	--
		2/2/96	17.83	67.58	0.00	--
		3/1/96	17.61	67.80	0.00	--
		4/4/96	17.28	68.13	0.00	--
		5/2/96	17.15	68.26	0.00	--
		6/5/96	17.47	67.94	0.00	--
		7/9/96	18.06	67.35	0.00	--
		8/8/96	18.48	66.93	0.00	--
		9/10/96	18.79	66.62	0.00	--
		10/1/96	18.90	66.51	0.00	--
		11/4/96	18.69	66.72	0.00	--
		12/2/96	18.47	66.94	0.00	--
		1/3/97	17.98	67.43	0.00	--
		2/6/97	17.44	67.97	0.00	--
3/5/97	16.73	68.68	0.00	--		
MW-8	85.50	10/28/92	27.70	57.80	0.00	--
		11/24/92	27.62	57.88	0.00	--
		12/22/92	27.40	58.10	--	--
		4/3/93	26.64	58.86	0.00	--
		7/20/93	26.60	58.90	0.00	--
		11/9/93	27.18	58.32	0.00	--
		8/30/95	26.35	59.15	0.00	--
		10/2/95	26.60	58.90	0.00	--
		11/3/95	26.62	58.88	0.00	--
		11/30/95	26.72	58.78	0.00	--
		1/3/96	26.64	58.86	0.00	--
		2/2/96	26.28	59.22	0.00	--
3/1/96	25.81	59.69	0.00	--		



**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-8 (cont.)	85.50	4/4/96	25.81	59.69	0.00	--
		5/2/96	26.15	60.03	0.00	--
		6/5/96	26.17	60.01	0.00	--
		7/9/96	26.32	59.18	0.00	--
		8/8/96	26.41	59.09	0.00	--
		9/10/96	26.66	58.84	0.00	--
		10/1/96	26.65	58.85	0.00	--
		11/4/96	26.77	58.73	0.00	--
		12/2/96	26.59	58.91	0.00	--
		1/3/97	25.98	59.52	0.00	--
		2/6/97	25.84	59.66	0.00	--
		3/5/97	25.94	59.56	0.00	--
		MW-9	90.37	10/28/92	23.37	67.00
11/24/92	23.51			66.86	0.00	--
12/22/92	23.31			67.06	--	--
4/3/93	21.14			69.23	0.00	--
7/20/93	21.54			68.83	0.00	--
11/9/93	27.53			62.84	0.00	--
8/30/95	19.59			70.78	0.00	--
10/2/95	20.05			70.32	0.00	--
11/3/95	20.40			69.97	0.00	--
11/30/95	20.65			69.72	0.00	--
1/3/96	20.73			69.64	0.00	--
2/2/96	20.19			70.18	0.00	--
3/1/96	19.53			70.84	0.00	--
4/4/96	18.74			71.63	0.00	--
5/2/96	18.63			71.74	0.00	--
7/9/96	19.15			71.22	0.00	--
8/8/96	19.89	70.48	0.35	70.83		
9/10/96	20.11	70.26	0.00	--		
10/1/96	20.37	70.00	0.00	--		

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-9	90.37	11/4/96	20.69	69.68	0.00	--
(cont.)		12/2/96	21.43	68.94	0.00	--
		1/3/97	20.72	69.65	0.00	--
		2/6/97	19.72	70.65	0.00	--
		3/5/97	19.59	70.78	0.00	--
MW-10	88.60	10/28/92	21.55	67.05	0.00	--
		11/24/92	21.86	66.74	0.00	--
		12/22/92	21.68	66.92	--	--
		4/3/93	19.14	69.46	0.00	--
		7/20/93	19.79	68.81	0.00	--
		11/9/93	20.83	67.77	0.00	--
		8/30/95	17.99	70.61	0.00	--
		10/2/95	18.42	70.18	0.00	--
		11/3/95	18.82	69.78	0.00	--
		11/30/95	19.03	69.57	0.00	--
		1/3/96	18.96	69.64	0.00	--
		2/2/96	18.55	70.05	0.00	--
		3/1/96	17.81	70.79	0.00	--
		4/4/96	17.11	71.49	0.00	--
		5/2/96	17.04	71.56	0.00	--
		6/5/96	17.11	71.49	0.00	--
		7/9/96	17.64	70.96	0.00	--
		8/8/96	18.24	70.36	0.00	--
		9/10/96	18.82	69.78	0.00	--
		10/1/96	19.02	69.58	0.00	--
		11/4/96	19.59	69.01	0.00	--
		12/2/96	19.72	68.88	0.00	--
		1/3/97	18.86	69.74	0.00	--
		2/6/97	17.76	70.84	0.00	--
		3/5/97	17.84	70.76	0.00	--

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-11	102.06	11/24/92	33.65	68.41	0.00	--
		12/22/92	33.37	68.69	--	--
		4/5/93	31.03	71.03	0.00	--
		7/20/93	31.90	70.16	0.00	--
		11/9/93	32.60	69.46	0.00	--
		8/29/95	28.92	73.14		
		10/2/95	29.48	72.58	0.00	--
		11/3/95	29.73	72.33	0.00	--
		11/30/95	30.26	71.80	0.00	--
		1/3/96	30.06	72.00	0.00	--
		2/2/96	29.67	72.39	0.00	--
		3/1/96	28.74	73.32	0.00	--
		4/4/96	28.13	73.93	0.00	--
		5/2/96	28.26	74.06	0.00	--
		6/5/96	28.30	74.02	0.00	--
		7/9/96	28.92	73.14	0.00	--
		8/8/96	29.64	72.42	0.00	--
		9/10/96	30.66	71.40	0.00	--
		10/1/96	30.58	71.48	0.00	--
		11/4/96	31.14	70.92	0.00	--
12/2/96	31.36	70.70	0.00	--		
1/3/97	30.73	71.33	0.00	--		
2/6/97	29.38	72.68	0.00	--		
3/5/97	29.22	72.84	0.00	--		
MW-13	84.06	11/24/92	26.05	58.01	0.00	--
		12/22/92	25.08	58.98	--	--
		4/5/93	24.64	59.42	0.00	--
		7/20/93	24.29	59.77	0.00	--
		11/9/93	24.23	59.83	0.00	--
		8/29/95	23.30	60.76	NM	--
		10/2/95	23.78	60.28	0.00	--

**TABLE 2**  
**GROUNDWATER AND FREE PRODUCT ELEVATION DATA**  
**3093 BROADWAY**  
**OAKLAND, CALIFORNIA**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>	<u>Product Thickness (feet)</u>	<u>Product Elevation (feet)</u>
MW-13	84.06	11/3/95	23.73	60.33	0.00	--
(cont.)		11/30/95	23.80	60.26	0.00	--
		1/3/96	23.95	60.11	0.00	--
		2/2/96	23.70	60.36	0.00	--
		3/1/96	23.36	60.70	0.00	--
		4/4/96	23.27	60.79	0.00	--
		5/2/96	23.35	60.87	0.00	--
		6/5/96	23.07	60.99	0.00	--
		7/9/96	23.31	60.75	0.00	--
		8/8/96	23.44	60.62	0.00	--
		9/10/96	23.66	60.40	0.00	--
		10/1/96	23.80	60.26	0.00	--
		11/4/96	24.04	60.02	0.00	--
		12/2/96	24.00	60.06	0.00	--
		1/3/97	23.30	60.76	0.00	--
		2/6/97	23.24	60.82	0.00	--
		3/5/97	23.24	60.82	0.00	--

Reference datum: arbitrary benchmark established by Levine Fricke.

TOC = Top of casing

Groundwater depths are measured below TOC.

NM = Not measured

\* New TOC from connection to remediation system.