PORT OF OAKLAND

May 31, 2006

Mr. Barney Chan
Hazardous Materials Specialist
Alameda County Health Care Services Agency,
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: **UST Site, 801 Maritime Street**
Port of Oakland, Oakland, CA
Fuel Leak Case RO0000019

Dear Mr. Chan:

The Port of Oakland (Port) is in receipt of your March 27th letter regarding the former underground storage tank (UST) site, known as 801 Maritime Street ("Site"). We appreciate your effort in naming this site as a candidate for regulatory closure and the time extension for completing this letter report.

Before responding to the information requested by the County, we briefly recapitulate the site history. 801 Maritime Street was the site of a warehouse and a fueling dispenser. Three underground storage tanks that supplied the dispenser were installed circa 1959 and were designated by the Port as CF-06, CF-07, and CF-35. All three tanks were of single wall steel construction and each tank was strapped to a concrete slab (due to shallow groundwater conditions). CF-06 had a capacity of 10,000 gallons and was used to store diesel fuel. Tanks CF-07 and CF-35 had capacities of 20, 000 and 10,000 gallons respectively and both were also used to store diesel fuel although both tanks were configured for the storage of gasoline. The three tanks were removed from the ground on February 16, 1989 and no evidence of corrosion, punctures or leaks was noted.

During the tank removal, discolored soils and petroleum odors were noted. Groundwater accumulated in the excavation contained oil and exhibited sheen. Floating product was not present. The impacted groundwater was pumped out of the pit and hauled away for proper disposal. Soil excavation then continued until a final pit dimension of approximately 52 by 64 by 12 feet deep was achieved. The impacted soils were stockpiled near to the excavation (approximately 1,500 cubic yards) and bioremediated on site. All of the tank removal and bioremediation activities at the time were conducted under the lead of Alameda County Health Care Services Agency. Originally this site was assigned a site identification number STID #3780 and is now assigned a new identification as #RO0000019.

The information requested is presented below following the County's question noted in italics:

1. Please clarify the address and APN (Assessor Parcel Number) for this site. Please provide a copy of the Assessor map indicating both the parcel number and the address of this site as requested below.

The Site is identified as 801 Maritime Street; an address that no longer exists. Prior to 1989, the underground storage tanks at this site lay adjacent to a large warehouse used by a tenant for the temporary storage of bailed cotton. The warehouse and yard were separate from the nearby Berth 24 maritime shipping terminal, see Figure 1. Since 1989, the warehouse has been demolished, fences have been removed, and the local streets have been abandoned or reconfigured until the earlier land usage has been completely obliterated. Today, the 801 Maritime site is now part of an expanded Berth 24 container terminal and the only trace of the former land use is in reports and old aerial photographs. The current street address of the Berth 24 terminal is 909 Maritime Street.

The Assessors Parcel Number (APN) for the 801 Maritime Site: the Site does not have a unique APN. The 801 Maritime Site is part of a much larger tax assessor parcel that includes approximately 445 acres of land about evenly split between dry land and submerged land. The APN is 000-0320-001-00, see Figure 2.

2. It appears that only one monitoring well was required for this investigation. This was based upon the abundance of wells and information at the neighboring Berth 24 (Mobil/Ashland) site. Please provide a gradient rose diagram for this site, a site map showing well locations, and a summary of the groundwater data for this site as requested below. We are aware that the SFRWQCB is now the lead on this site.

In 1996, the Port installed a solitary monitoring well, MW-1, located downgradient of the former under ground storage tanks at the Site. This well is one of approximately 54 wells located in Berths 23 and 24 area; the 53 other wells are the groundwater monitoring network for the former Mobil Oil and Ashland Oil Bulk Fuel Facilities (i.e., tank farms). Both Facilities are petroleum release sites that have a large and combined dissolved phase plume located in the shallow water-bearing unit (the same unit MW-1 is constructed in). The attached Map (Figure 3) and Table (Table 5) contain the information requested.

The determination of ground water flow directions normally are not possible using a single well. In this situation, the numerous down gradient wells can be used in conjunction with MW-1 to determine the local flow direction at the 801 Maritime Site. The local hydraulic gradients, however, could not be determined because the past

groundwater monitoring activities at the tank farm and at 801 Maritime have been conducted at significantly different calendar dates. The attached Figure 4 depicts the groundwater flow directions for seven time periods. It is noted that the local flow direction is uniformly toward the west and that the 801 Maritime Site well was placed down gradient of the former USTs.

3. We understand that approximately 1,500 cy of spoils was generated during the tank removal activities. The soil was bio-remediated and approximately 400 cy reused as fill on this site. Was the remaining remediated soil reused elsewhere on Port properties? We understand that groundwater from the tank pit was removed by H&H Ship Services. How much groundwater was disposed?

Some additional information was found on the disposition of soil and groundwater generated during the removal of the underground storage tanks. Baseline Environmental Consulting prepared a brief report in March 1990 that indicated the petroleum impacted soils were subjected to on site bioremediation. After the remediation work was completed, the soil was transported by truck to the Oakland Airport, North Field to the site of former building, L-615. At this location, the soils were used as fill material at the ground surface.

The amount of water that was removed by H&H Ship Services from the UST excavation and hauled away for disposal is unknown. Both the Port and Baseline have searched their files for a record of the removal and/or disposal but nothing was found.

4. The limits of soil contamination were unable to be determined during the tank removal. Soil boring contamination in B-2 reported 3,600 ppm and C-2 reported 1,600 ppm TPH-d. Is there additional data, which defines the limit of TPH-d in these areas?

There are no additional data.

I declare under penalty of perjury, that the information and/or recommendations contained in this letter report and attachments are true and correct to the best of my knowledge. Please contact me at 627-1176 or the Port Project Manager, Mr. John Prall at 6271373 or at jprall@portoakland.com regarding any questions or clarifications.

Sincerely,

Roberta Reinstein
Manager, Port Environment and Safety Department

Cc: Jeffrey Jones
John Prall

Bcc: Michele Heffes
Deborah Ballati

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-13	4/16/2003	64	810	330 J	<0.5	<0.5	0.95	0.5	<2.5	<100
	7/31/2003	63	1400 j	800 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/20/2003	<50	190	110 Jj	<0.5	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/18/2004	<50	290	200 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	4/22/2004	<50	36 J	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21 uj
	8/17/2004	<50	<34	<54	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/14/2004	<50	94	95 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/14/2004(Duplicate)	<50	110	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/23/2005	<50	31 J	<94	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-14	4/15/2003	<50	91	<490	<0.5	<0.5	<0.5	<0.5	<2.5	17 J
	7/31/2003	<50	110 j	<480 uj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/21/2003	<50	340	300 J	<0.5	<0.5 uj	<0.5	<0.5	<0.081	<8 uj
	2/17/2004	<50	94 u	<76	<0.5	<0.5	<0.5	<0.5	<0.5	11 J
	4/20/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/16/2004	<50	170	<53	<0.5	<0.5	<0.5	<0.5	<0.5	24 J
	8/16/2004 (Duplicate)	58	190	62 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/17/2004	<50	220	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/21/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS

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MW-15	4/16/2003	100	490	170 J	<0.5	0.81	0.91	<0.5	<2.5	<100
	6/23/2003	79	390	160 Jj	2.4 j	<0.5	<0.5	0.53	<0.5	NA
	6/24/2003	72	370	170 Jj	1 j	<0.5	<0.5	<0.5	<0.5	NA
	8/1/2003	<50	440 j	400 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/18/2003	<50	310	200 J	<0.5	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/18/2004	<50	200	250 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	4/20/2004	<50	140	95 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	8/18/2004	<50	37 J	<53	<0.5	<0.5	<0.5	<0.5	<0.5	21 J
	12/16/2004	<50	40 J	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/21/2005	82	1600	470 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15
	3/21/2005 (Duplicate)	76	1600	460 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-16	4/15/2003	<50	88	87 J	<0.5	<0.5	<0.5	<0.5	<2.5	16 J
	4/15/2003 (Duplicate)	<50	64	<490	<0.5	<0.5	<0.5	<0.5	<2.5	9.8 J
	7/30/2003	<50	83 u	<480	<0.5	<0.5	<0.5	<0.5	0.62	NA
	11/24/2003	<50	83	<74	<0.5 uj	0.8 j	<0.5	<0.5	<0.081	<8
	2/18/2004	<50	140	120 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	4/22/2004	<50	41 J	<53	<0.5	<0.5	<0.5	0.81	<0.5	<21 uj
	8/18/2004	<50	45 J	<56	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/17/2004	<50	44 J	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/21/2005	<50	120	100 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15

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MW-17	4/15/2003	<50	120	110 J	<0.5	<0.5	<0.5	<0.5	<2.5	9.1 J
	7/30/2003	<50	210	210 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/18/2004	<50	79	<75	<0.5	<0.5	<0.5	<0.5	<0.5	<8 uj
	4/20/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/16/2004	<50	95	93 J	<0.5	<0.5	<0.5	<0.5	<0.5	21 J
	12/13/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/21/2005	<50	310	270 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-18	4/15/2003	<50	170	300 J	<0.5	<0.5	<0.5	<0.5	<2.5	<100
	8/1/2003	<50	110 uj	140 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/18/2003	<50	270	290 J	<0.5	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/17/2004	<50	52 u	<77	<0.5	<0.5	<0.5	<0.5	<0.5	8.8 Jj
	4/21/2004	<50	130	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	11 Ju
	8/18/2004	<50	44 J	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/15/2004	<50	47	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	140	120 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-24	4/15/2003	<50	88	82 J	<0.5	<0.5	<0.5	<0.5	<2.5	<100
	7/30/2003	<50	100	89 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/20/2003	<50	71	<73 uj	<0.5	<0.5	<0.5	<0.5	<0.081	15 Jj
	2/17/2004	<50	30 Ju	<75	<0.5	<0.5	<0.5	<0.5	<0.5	39 J
	4/22/2004	<50	<33	<53	<0.5	<0.5	<0.5	0.72	<0.5	<21 uj
	8/17/2004	<50	42 J	<54	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/14/2004	<50	110	96 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/21/2005	<50	43 J	<91	<0.5	<0.5	<0.5	<0.5	<0.5	15 J

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WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-25	4/15/2003	<500	590	320 J	<5	<5	<5	<5	<25	33 J
	7/31/2003	<50	550 j	340 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/17/2004	<50	110 u	<77	<0.5	<0.5	<0.5	<0.5	<0.5	<8 uj
	2/17/2004 (Duplicate)	<50	97 u	<74	<0.5	<0.5	<0.5	<0.5	<0.5	9.1 J
	4/21/2004	<50	1000	680	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	8/17/2004	<50	230	130 J	<0.5	<0.5	<0.5	<0.5	<0.5	22 J
	12/14/2004	<50	770	500	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/21/2005	<50	410	310 J	<0.5	<0.5	<0.5	<0.5	0.7	20 J
MW-26	4/15/2003	<50	100 u	96 J	<0.5	<0.5	<0.5	<0.5	<2.5	21 J
	7/31/2003	<50 uj	110 j	140 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/18/2003	<50	140	130 J	<0.5	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/17/2004	<50	46 Ju	<77	<0.5	<0.5	<0.5	<0.5	<0.5	8.1 Jj
	4/20/2004	<50	49	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	8/18/2004	<50	63	<470	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	12/15/2004	<50	150	130 J	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/21/2005	<50	63	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<15

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WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-2B	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/24/2003	<50	110	200 J	<0.5 uj	1.5 j	<0.5	<0.5	<0.081	<48
	2/19/2004	<50	140	390 J	<0.5	0.78	<0.5	<0.5	<0.5	14 J
	4/20/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/17/2004	<50	38 J	84 J	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	12/16/2004	<50	97	280 J	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/23/2005	<50	180	490	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-34	6/25/2003	140	42 Juj	<470	13 j	<10 uj	<10	<10	<10	18 Juj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	<50	76	95 J	3.2	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/20/2004	60	76 u	<74	<2.5	<2.5	<2.5	<2.5	<2.5	22 J
	4/20/2004	<50	84	59 J	3.3	<2.5	<2.5	<2.5	<2.5	<8
	8/16/2004	57	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	8/16/2004 (Duplicate)	<50	<33	<54	<0.5	<0.5	<0.5	<0.5	<0.5	21 J
	12/13/2004	55	61	<91	3.8	<0.5	<0.5	<0.5	<0.5	<21
	3/21/2005	80	92	<92	2.2 j	<0.5	<0.5	<0.5	<0.5	<15

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WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-35	6/25/2003	87	57 u	<480	13 j	1.2 j	2.8	12	<0.5	<2000
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	100	240	170 J	3.3	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/19/2004	58	360	210 J	0.92	<0.5	<0.5	0.59	<0.5	<8
	4/20/2004	69	270	170 J	1.8	<0.5	<0.5	<0.5	<0.5	8.5 J
	8/16/2004	96	96	<53	3.6	<0.5	<0.5	<0.5	<0.5	<21
	12/13/2004	120	410	250 J	2.7	<0.5	<0.5	<0.5	<0.5	<21
	3/21/2005	300	320	220 J	2.7	<0.5	<0.5	<0.5	<0.5	<15
MW-36	6/25/2003	380	210 j	<480	26 j	2 j	4.8	18	<0.5	40 Juj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	600	210	120 J	100	0.65	1.8	<0.5	<0.081	<8 uj
	2/19/2004	190	370	170 J	4.8	<0.5	<0.5	0.51	<0.5	<8
	4/20/2004	430	410	190 J	30	<0.5	1.2	<0.5	<0.5	<8
	8/16/2004	610	170	<53	23	<0.5	1.2	<0.5	<0.5	<21
	12/13/2004	480	640	320 J	15	<0.5	0.76	<0.5	<0.5	<21
	3/22/2005	620	370	210 J	30	<0.5	1.2	<0.5	<0.5	17 J

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WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-37A	6/23/2003	4000	680	330 J	1100	<25	<25	66	<25	41 J
	6/23/2003 (Duplicate)	4700	920	420 j	1100	<25	<25	68	<25	26 Jj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	6700	1300	970	1100 j	34	84	100	<0.81	16 Jj
	2/20/2004	3800	860 j	1400 j	81	3.6	5.2	14	<2.5	14 J
	4/20/2004	2400	2700 j	3500 j	470	9.5	12	20	<2.5	<8
	8/16/2004	5100	470	550	900	<50	<50	<50	<50	37000
	12/13/2004	130	650	1500	4.5	<0.5	<0.5	0.55	<0.5	<21
	3/24/2005	1800	430 j	1000 j	57	1.9	8.3	14	<0.5	<15
MW-37B	6/23/2003	89	140	210	28	0.75	<0.5	2.2	<0.5	240 j
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	<50	79	<74	<0.5 uj	<0.5	<0.5	<0.5	<0.081	46 Jj
	2/20/2004	<50	99	250 J	<0.5	<0.5	<0.5	<0.5	<0.5	26 J
	4/22/2004	<50	42 J	<53	<0.5	0.58	<0.5	0.57	<0.5	<130
	4/22/2004 (Duplicate)	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<130
	8/16/2004	<50	<33	<54	<0.5 uj	<0.5 uj	<0.5 uj	<0.5 uj	<0.5 uj	<100
	12/13/2004	<50	100	150 J	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	3/24/2005	<50	450 j	1300 j	<0.5	<0.5	<0.5	<0.5	<0.5	<15
	3/24/2005 (Duplicate)	<50	330	900	<0.5	<0.5	<0.5	<0.5	<0.5	<15

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WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-37C	6/23/2003	<50	18 Ju	<470	5.5	<0.5	<0.5	<0.5	0.5	110 j
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	<50	19 J	<73	<0.5 uj	<0.5	<0.5	<0.5	<0.081	73 Jj
	2/19/2004	<50	46 Ju	<74	<0.5	<0.5	<0.5	0.5	<0.5	53 J
	4/22/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	190 J
	8/16/2004	<50	68	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/13/2004	<50	31 J	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	3/24/2005	<50	38 J	<96	<0.5	<0.5	<0.5	<0.5	<0.5	160 J
MW-38	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/19/2004	1300	1100	280 J	310	5.3	<5	5.2	<5	<8
	4/20/2004	1600	1100	290 J	560	<10	<10	<10	<10	<8
	8/17/2004	1200	790	170 J	440	<5	<5	<5	<5	<21
	8/17/2004 (Duplicate)	1200	830	180 J	370	<5	<5	<5	<5	<42
	12/14/2004	310	760	240 J	62	0.63	<0.5	<0.5	<0.5	<21
	3/22/2005	280	700	240 J	60 j	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-39	6/25/2003	5200	1100 j	290 J	2000 j	<50 uj	<50	<50	<8.1	25 J
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/2004	1500	850	310 J	330	13	<5	12	<5	<8
	8/17/2004	540	350	97 J	390	13	<5	15	<5	22 J
	12/14/2004	89	490	370 J	3.9	<0.5	<0.5	<0.5	<0.5	<21
	3/22/2005	870	750	350 J	130 j	1.2	1.7	2.4	<0.5	16 J
MW-40	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/2004	9900	5100 j	1800 Jj	3900	<50	140	68	<50	16 J
	8/17/2004	4700	2300	960	1900	11	47	24	<10	<21
	12/14/2004	1100	6000	4500 J	410	<5	6.8	5	<5	<21
	3/23/2005	3100	17000 j	11000 Jj	17	0.81	12	60	<0.5	28 J
MW-41	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/18/2004	3800	3800	2000	490	27	11	300	<5	22 Jj
	4/21/2004	5500	6100 j	3600 j	1900	25	<25	38	<25	15 Ju
	8/17/2004	2000	2000	740 J	280	15	<5	27	<5	<21
	12/14/2004	2500	2000	830 J	510	12	<5	28	<0.5	<21
	3/23/2005	230	520	420 J	14	1.2	<0.5	4.3 j	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-42A	6/25/2003	11000	830 j	230 J	2800 j	140 j	220	1200	<50	14 J
	6/25/2003 (Duplicate)	8200	2100 j	280 J	2200	100	170	890	<50	17 J
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/21/2003	6800	2300	690 J	2000	90	92	580	5.5 J	<8 uj
	2/18/2004	11000	2800	830 J	2400	65	220	1300	<50	<8 uj
	4/22/2004	2700	1100	130 J	550	13	18	88	<10	<21 uj
	8/17/2004	2400	840	170 J	360	6.4	<5	52	<5	<21
	12/14/2004	2100	1000	410 J	520	<10	11	58	<2.5	<21
	3/22/2005	310	630	440 J	6.7	1	1.6	31	<0.5	56 J
MW-42B	6/25/2003	310	1500 j	170 J	50 j	4.3 j	6.6	32	<0.5	38 J
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/21/2003	160	590	360 J	0.58 j	<0.5 uj	1.6	<0.5	<0.081	<8 uj
	11/21/2003(Duplicate)	160	670	420 J	0.51	<0.5	1.5	0.58	<0.081	<8 uj
	2/18/2004	55	270	140 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8 uj
	2/18/2004 (Duplicate)	100	240	130 J	<0.5	<0.5	<0.5	<0.5	<0.5	11 Jj
	4/22/2004	110	110	<53	<0.5	<0.5	<0.5	0.66	<0.5	<21 uj
	8/17/2004	220	480	220 J	<1	<1	<1	<1	<1	<21
	12/14/2004	130	570	300 J	<0.5	<0.5	0.83	0.66	<0.5	<21
	3/22/2005	140	470	280 J	<0.5	<0.5	1	0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-42C	6/25/2003	88 u	50 u	<470	19 j	1.8 j	3.1	14	<0.5	420 J
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/21/2003	<50	140	<75	0.52 j	<0.5 uj	<0.5	<0.5	<0.081	<48 uj
	2/18/2004	<50	54	89 J	<0.5	<0.5	<0.5	<0.5	<0.5	31 Jj
	4/22/2004	<50	35 Jj	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<130
	4/22/2004 (Duplicate)	<50	140 j	310 J	<0.5	<0.5	<0.5	<0.5	<0.5	<130
	8/17/2004	<50	<33	<54	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	12/14/2004	<50	60	96 J	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	69	120 J	<0.5	<0.5	<0.5	<0.5	<0.5	<45
	3/22/2005 (Duplicate)	<50	48 J	<94	<0.5	<0.5	<0.5	<0.5	<0.5	<45
MW-43	6/25/2003	920	1200 j	350 J	160 j	6.9 j	<2.5	13	<2.5	25 J
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/2003	680	1000	470 J	70	4.6	<0.5	8.9	<0.081	<8 uj
	2/19/2004	1100	1400	700 J	280	13	<5	15	<5	<8
	4/21/2004	1900	1000	260 J	300	16	<5	23	<5	<8
	8/17/2004	1600	1300	300 J	48	17	1.4	38	<0.5	<21
	12/15/2004	2200	1400	440 J	140	15	2.1	29	<0.5	<210
	3/22/2005	<50	480	400 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
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(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-44	6/24/2003	<50	67 u	<490	3.6 j	<0.5	<0.5 uj	<0.5 uj	<0.5	30 Ju
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	<50	48	<73	<0.5 uj	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/19/2004	<50	58 u	<74	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	4/20/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	11 Ju
	8/16/2004	<50	<35	<56	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/13/2004	<50	59	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/13/2004(Duplicate)	<50	120	92 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/22/2005	<50	42 J	<94	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-45	6/24/2003	4300	1100 j	220 J	2200 j	<50	<50 uj	<50 uj	<50	<100 uj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/2003	3200	1900	360 J	1200	<25	34	82	<4	<8 uj
	2/19/2004	150	770	180 J	33	0.51	1.3	1.6	<0.5	<16
	4/22/2004	3100	1800	290 J	1600	<25	32	<25	<25	<21 uj
	8/17/2004	630	1000	300 J	220	<5	<5	<5	<5	<21
	12/16/2004	250	390	180 J	52	<0.5	0.8	0.65	<0.5	<210
	3/22/2005	3200	2600	500 J	1600 j	12 j	29	19	<0.5	22 J

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-46A	6/24/2003	9900	1300 j	370 J	4100 j	57	270 j	340 j	<50	<100 u
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	17000	2200	930 J	6500	<50	310	330	<8.1	<8
	2/19/2004	20000	3000	1200 J	6300	<50	370	400	<50	14 J
	4/21/2004	4100	1700	350 J	1500	<50	<50	72	<50	<21
	8/17/2004	730	810	160 J	190	<5	8.3	9.1	<5	<21
	12/15/2004	3300	860	180 J	970	9.1	30	60	<0.5 uj	<210
	3/23/2005	450	290	140 J	95	1.3	2.3	14 j	<0.5	<15
MW-46B	6/24/2003	110	100	<480	46 j	0.66	3.6 j	4.1 j	<0.5	<100
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	<50	49	<73	<0.5	<0.5	<0.5	<0.5	<0.081	<16 uj
	2/19/2004	<50	95 u	75 J	<0.5	<0.5	<0.5	<0.5	<0.5	16 J
	4/21/2004	<50	41 J	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	4/21/2004 (Duplicate)	<50	43 J	<53	<0.5	<0.5	<0.5	<0.5	<0.5	25 J
	8/17/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/15/2004	<50	39 J	<94	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	12/15/2004(Duplicate)	<50	51	<93	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/23/2005	<50	40 J	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<90

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
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(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-46C	6/24/2003	53	63 u	<470	24 j	<0.5	2.2 j	2.4 j	<0.5	<200 u
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	<50	22 J	<73	<0.5	<0.5	<0.5	<0.5	<0.081	38 Juj
	2/19/2004	<50	46 Ju	<74	6.5	<0.5	<0.5	<0.5	<0.5	76 J
	4/21/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<130
	8/17/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	8/17/2004 (Duplicate)	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	12/15/2004	<50	<20	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/23/2005	<50	24 J	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<90
MW-47	6/24/2003	350	290 j	120 J	26 j	1.8	<0.5 uj	1.1 j	<0.5	<100 u
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	460	400	150 J	26 j	2.3	<0.5	1.6	0.1 J	21 Jj
	2/18/2004	51	310	210 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8 uj
	4/21/2004	110	380	250 J	<0.5	<0.5	<0.5	<0.5	<0.5	13 Ju
	8/17/2004	260	360	150 J	1	1.2	<0.5	0.72	<0.5	<21
	12/16/2004	69	170	120 J	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	110	740	490	<0.5	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

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WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-48A	6/24/2003	4600	1500 j	220 J	470 j	26	<5 uj	28 j	<5	<100
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/2003	250	2000	750 J	1000	30	<25	26	<4	<8 uj
	2/19/2004	3100	1600	640 J	92	14	<5	17	<5	<8
	4/22/2004	5400	1300	94 J	220	32	11	36	<10	<21 uj
	8/18/2004	4100	1200	140 J	310	23	6.59	27	<2.5	<21
	12/15/2004	3600	1100	150 J	92	15	2.4	18	<1	<210
	3/21/2005	4900	2100	820 J	240	31	6.8	42	<0.5	<15
MW-48B	6/24/2003	150	100 u	<490	8.5 j	0.57	0.52 j	0.52 j	<0.5	<100 u
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/2003	130	130	<74	<0.5	<0.5	1.2	<0.5	0.17 J	<8 uj
	11/20/2003(Duplicate)	130	150	<75	<0.5	<0.5	1	<0.5	0.18 J	<8 uj
	2/19/2004	140	290	120 J	<0.5	<0.5	1	0.66	<0.5	<8
	2/19/2004 (Duplicate)	150	300	130 J	<0.5	<0.5	<0.5	0.6	<0.5	<16
	4/22/2004	52	69	<53	<0.5	<0.5	<0.5	0.59	<0.5	<21
	8/18/2004	190	97	<54	<0.5	<0.5	<0.5	0.57	<0.5	<21
	12/15/2004	120	91	<94	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/21/2005	110	300	150 J	<0.5	<0.5	0.96	<0.5	<0.5	22 J

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WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-48C	6/24/2003	<50	63 u	<480	4.6 j	<0.5	<0.5 uj	<0.5 uj	<0.5	<200 uj
	6/24/2003 (Duplicate)	<50	<48	<480	2.1	<0.5	<0.5	<0.5	<0.5	<1000 uj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/2003	<50	24 J	<74	<0.5	<0.5	<0.5	<0.5	<0.081	<24 uj
	2/19/2004	<50	25 Ju	<74	0.59	<0.5	<0.5	0.6	<0.5	<24
	4/22/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<130
	8/18/2004	<50	<33	<54	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	12/15/2004	<50	36 J	<94	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	12/15/2004(Duplicate)	<50	43 J	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/21/2005	<50	25 J	<93	<0.5	<0.5	<0.5	<0.5	<0.5	200 J
MW-49	6/25/2003	2200	760 j	190 J	430 j	15 j	31	40	<10	20 Juj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/24/2003	3900 j	1800 j	660 Jj	410 j	27 j	31	29 j	<1.6	<8 uj
	2/18/2004	1500	540	720	60	3.4	<2.5	<2.5	<2.5	<8 uj
	4/21/2004	4800 j	1100	190 J	1800	81	79	95	<50	<21
	8/17/2004	2600	540	170 J	250	16	12	27	<5	<21
	12/15/2004	3800	710	210 J	770	44	44	46	<0.5	<210
	3/21/2005	2100	1200	280 J	100	2.3	6.8	3.1	<1	25 J

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(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-50	4/16/2003	<50	270	170 J	<0.5	<0.5	<0.5	<0.5	<2.5	<100
	8/1/2003	<50	200 j	190 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/18/2003	<50	210	170 J	<0.5	<0.5	<0.5	<0.5	<0.081	15 Jj
	2/18/2004	<50	130	89 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8 uj
	4/20/2004	<50	130	80 J	<0.5	<0.5	<0.5	<0.5	<0.5	12 Ju
	8/18/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/15/2004	<50	93	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	170	140 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-51	4/16/2003	260	2200	710 J	8	1.6	0.56	<0.5	<2.5	<100
	8/1/2003	300	3000 j	1900 j	6 j	<0.5	<0.5	0.66	<0.5	NA
	11/18/2003	63	900	480	1.4	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/18/2004	<50	220	160 J	<0.5	<0.5	<0.5	<0.5	<0.5	22 J
	4/21/2004	120 j	440	86 J	1.4	<0.5	<0.5	0.57	<0.5	<21
	8/18/2004	<50	53	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/15/2004	<50	63	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	140	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15

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Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-52	4/16/2003	160	800	330 J	0.98	1.1	1.3	<0.5	<2.5	<100
	6/23/2003	120	670	300 Jj	1.5 j	<0.5	<0.5	0.61	<0.5	NA
	6/24/2003	86	290	87 Jj	0.89 j	<0.5	<0.5	<0.5	<0.5	NA
	8/1/2003	53	480 j	350 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/18/2003	<50	730	450 J	<0.5	<0.5	<0.5	<0.5	<0.081	23 Jj
	2/18/2004	<50	630	300 J	<0.5	<0.5	<0.5	<0.5	<0.5	18 J
	4/20/2004	<50	190	71 J	<0.5	0.5	<0.5	0.66	<0.5	<8
	8/18/2004	<50	<33	<54	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/15/2004	<50	59	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	160	130 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-53	4/16/2003	<50	470	290 J	<0.5	<0.5	<0.5	<0.5	<2.5	<100
	7/31/2003	<50	190 j	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/20/2003	<50	380	220 Jj	<0.5	<0.5	<0.5	<0.5	<0.081	18 Jj
	11/20/2003(Duplicate)	<50	300	160 J	<0.5	<0.5	<0.5	<0.5	<0.081	<8 uj
	2/18/2004	<50	430	320 J	<0.5	<0.5	<0.5	<0.5	<0.5	15 J
	4/20/2004	<50	270	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	8/18/2004	<50	64	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/15/2004	<50	63	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	160	130 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-54	4/16/2003	63	750	300 J	1.6	<0.5	0.56	<0.5	<2.5	<100
	4/16/2003 (Duplicate)	<50	570	260 J	<0.5	<0.5	<0.5	<0.5	<2.5	<100
	7/31/2003	<50	420 j	210 Jj	0.62 j	<0.5	<0.5	<0.5	<0.5	NA
	7/31/2003 (Duplicate)	<50 uj	620	470 Jj	0.52 j	<0.5	<0.5	<0.5	<0.5	NA
	11/20/2003	<50	1500 j	1500 j	0.52	<0.5 uj	<0.5	<0.5	<0.081	<8 uj
	2/18/2004	<50	340	310 J	<0.5	<0.5	<0.5	<0.5	<0.5	10 J
	4/20/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/18/2004	<50	220	220 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/13/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/21/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55	4/15/2003	<50	380	270 J	<0.5	<0.5	<0.5	<0.5	<2.5	<100
	7/31/2003	<50	330 j	140 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/20/2003	<50	170	<74 uj	<0.5	<0.5	<0.5	<0.5	0.09 J	12 Jj
	2/18/2004	<50	240	170 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	4/20/2004	<50	210	91 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	4/20/2004 (Duplicate)	<50	210	88 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	8/17/2004	<50	<33	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/14/2004	<50	140	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/23/2005	<50	40 J	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-56	4/16/2003	93	490	210 J	<0.5	<0.5	1.4	<0.5	<2.5	32 J
	7/31/2003	<50 uj	320 j	250 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/20/2003	<50	320	200 Jj	<0.5	<0.5	<0.5	<0.5	<0.081	13 Jj
	2/18/2004	<50	100	84 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8 uj
	4/20/2004	<50	700	370 J	<0.5	<0.5	<0.5	<0.5	<0.5	9.1 Ju
	8/17/2004	<50	48	<54	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/14/2004	<50	230	150 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/23/2005	<50	79	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<90
MW-57	4/16/2003	94	170	110 J	1.6	<0.5	<0.5	<0.5	<2.5	<100
	7/30/2003	<50	360	310 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	7/30/2003 (Duplicate)	<50	350	300 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	11/24/2003	<50	180	150 J	<0.5 uj	<0.5 uj	<0.5	<0.5	0.09 J	36 J
	2/19/2004	<50	150	110 J	<0.5	<0.5	<0.5	<0.5	<0.5	27 J
	2/19/2004 (Duplicate)	<50	160	120 J	<0.5	<0.5	<0.5	<0.5	<0.5	24 J
	4/20/2004	<50	250	200 J	<0.5	<0.5	<0.5	<0.5	<0.5	8.3 Ju
	8/17/2004	<50	50	<54	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/14/2004	<50	260	180 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/23/2005	<50	77	<94	<0.5	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-58	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2003	<50	87 j	<470	<0.5	<0.5	<0.5	<0.5	0.62 j	<100
	11/21/2003	<50	120	95 J	<0.5	<0.5 uj	<0.5	<0.5	0.45	<8 uj
	2/18/2004	<50	150	<73	<0.5	<0.5	<0.5	<0.5	<0.5	17 J
	4/21/2004	<50	39 J	<53	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	4/21/2004 (Duplicate)	<50	57	77 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	8/18/2004	<50	<33	<53	<0.5 uj	<0.5 uj	<0.5 uj	<0.5 uj	<0.5 uj	<21
	12/15/2004	<50	36 J	<92	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	62	<91	<0.5	<0.5	<0.5	<0.5	<0.5	<15
MW-59	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2003	<50	210 uj	200 Juj	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	8/7/2003 (Duplicate)	<50	250 j	200 Juj	<0.5	<0.5	<0.5	<0.5	<0.5	<100
	11/21/2003	<50	380	360 J	<0.5	<0.5 uj	<0.5	<0.5	<0.081	<8 uj
	2/17/2004	<50	83 u	<74	<0.5	<0.5	<0.5	<0.5	<0.5	17 J
	4/21/2004	<50	140	76 J	<0.5	0.54	<0.5	0.61	<0.5	<8
	8/18/2004	<50	150	99 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/16/2004	<50	180	98 J	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	<50	180	150 J	2 j	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-60	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2003	58	1700 j	1000	1.4 j	<0.5	<0.5	<0.5	<0.5	<100
	11/24/2003	290 j	2300 j	1600 j	12 j	11 j	<0.5	0.97 j	<0.081	<8 uj
	2/17/2004	62	200	110 J	<0.5	3.5	0.57	<0.5	<0.5	8.6 J
	4/21/2004	85	960	650	<0.5	0.69	<0.5	<0.5	<0.5	17 Ju
	8/17/2004	60	590	290 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	8/17/2004 (Duplicate)	54	610	310 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	12/16/2004	77	540	280 J	<0.5	<0.5	<0.5	<0.5	<0.5	<21
	3/23/2005	<50	83	<91	<0.5	<0.5	<0.5	<0.5	<0.5	17 J
MW-61	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2003	230	990 j	570	29 j	<0.5	2.2	7	<0.5	<100
	11/24/2003	64	1200	930	<0.5 uj	<0.5 uj	<0.5	<0.5	<0.081	<8
	2/17/2004	160	600	250 J	<0.5	<0.5	<0.5	<0.5	<0.5	<8 uj
	4/21/2004	270 j	2500 j	1300 Jj	<0.5	<0.5	<0.5	<0.5	<0.5	<8
	8/18/2004	<50	270	140 J	<0.5 uj	<0.5 uj	<0.5 uj	<0.5 uj	<0.5 uj	<21
	12/16/2004	<50	240	120 J	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/22/2005	110	1400	370 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-62	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2003	9400	2000 j	700 Jj	2400 j	<50	86	680	<50	<100
	11/24/2003	10000 j	2500 j	1100 j	4200 j	<50 uj	540	700 j	<8.1	<8 uj
	2/17/2004	15000	1400	150 J	2800	<50	370	690	<50	74 Jj
	4/21/2004	15000	3100	830 J	7000	<50	750	240	<50	17 Ju
	8/17/2004	7200	1200	360 J	3500	<50	350	<50	<50	<21
	12/16/2004	2800	620	220 J	520	6.5	180	18	<0.5	<210
	3/23/2005	9600	7600	<1800	1100	<25	520	1300 j	<25	<15
	3/23/2005 (Duplicate)	9500	7800	<1800	1100	30	550	1300	<25	24 J
MW-A1	6/25/2003	570	1900 j	690 J	7.6	2.6 j	2	10	<0.5	34 Juj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/24/2003	690	2200	890 J	2.8 j	4 j	<0.5	6.3	<0.081	<8
	2/17/2004	810	880	120 J	3	2.9	<0.5	6	<0.5	<8 uj
	4/21/2004	1500 j	1300	240 J	19	5.9	0.74	9.1	<0.5	<8
	8/18/2004	1400	1300	330 J	16	2.7	0.51	5.1	<0.5	<21
	12/16/2004	820	920 j	280 J	<0.5	0.69	<0.5	1.6	<0.5	<210
	12/16/2004(Duplicate)	780	510 j	120 J	<0.5	0.65	<0.5	1.7	<0.5	<210
	3/23/2005	65	110	96 J	<0.5	<0.5	<0.5	<0.5	<0.5	<15

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
MW-A2	6/25/2003	1100	1500 j	460 J	78	15 j	5.2	22	<5	21 Juj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/24/2003	490	960	490 J	16 j	15 j	0.96	5.3	<0.081	<8
	2/17/2004	<50	90 u	130 J	0.75	2	<0.5	<0.5	<0.5	<8 uj
	4/21/2004	150	320 j	310 Jj	7.5	1.6	0.76	1.2	<0.5	<8
	8/18/2004	490	1000	1200	67	12	6.6	7.5	<0.5	<21
	12/16/2004	51	280	290 J	<0.5	<0.5	<0.5	<0.5	<0.5	<210
	3/24/2005	150	520	180 J	<0.5	<0.5	<0.5	0.57	<0.5	<15
	3/24/2005 (Duplicate)	140	470	150 J	<0.5	<0.5	<0.5	0.58	<0.5	<15
MW-A3	6/25/2003	210	1300 j	560 J	13	0.98 j	1.3	5.8	<0.5	47 Juj
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/24/2003	91 j	1200 j	320 Jj	0.97 j	<0.5 uj	<0.5	<0.5 uj	0.1 J	9.4 Jj
	11/24/2003(Duplicate)	280 j	1200 j	520 j	11 j	3.2 j	<0.5	1.5 j	<0.081	<8 uj
	2/17/2004	130	290	<73	3.9	0.93	<0.5	1.1	<0.5	<8 uj
	2/17/2004 (Duplicate)	120	310	84 J	3.8	1.1	<0.5	0.91	<0.5	<8 uj
	4/21/2004	210	550	160 J	3.1	0.79	<0.5	1.1	<0.5	13 J
	8/18/2004	220	500	240 J	2.1	<0.5	<0.5	1	<0.5	<21
	12/16/2004	170	460	200 J	1.2	<0.5	<0.5	0.73	<0.5	<210
	3/23/2005	<50	150	<91	<0.5	<0.5	<0.5	<0.5	<0.5	48 J

TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD
TW-1BB	4/4/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/30/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/2003	400	450	87 J	12 j	0.67	1.7	0.88	0.12 J	23 Jj
	2/18/2004	350	490	120 J	25	1.1	2.7	1.8	<0.5	<24 uj
	4/20/2004	380 j	510	160 J	0.8	<0.5	<0.5	<0.5	<0.5	<8
	8/16/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2004	2600	3800	<910	13	3.1	60	26	<0.5	24 J
	3/22/2005	1600 j	1800	810 J	15 j	0.85	16	8.6	<0.5	<15

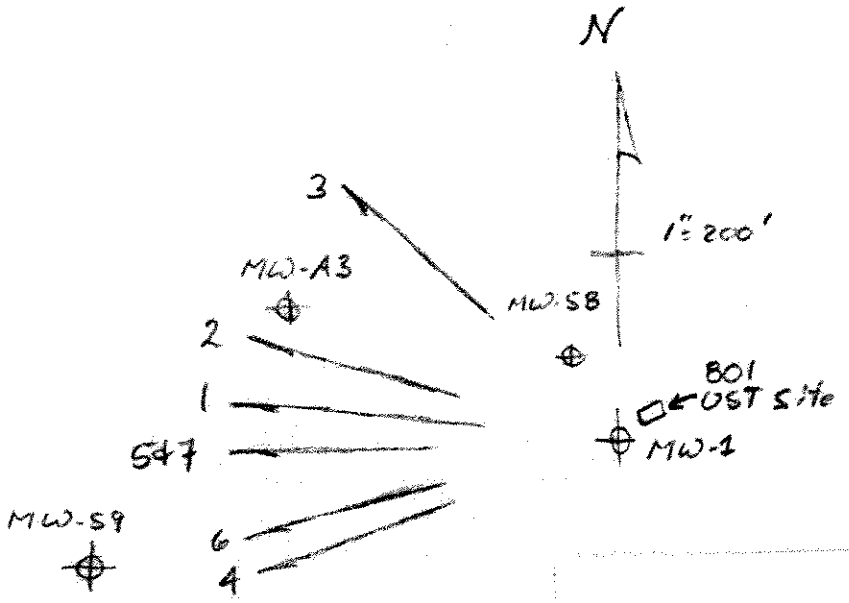
TABLE 5

GROUND WATER ANALYTICAL DATA
CHEMICALS OF POTENTIAL CONCERN
Former Mobil and Ashland Bulk Fuel Terminals, Port of Oakland,
Berths 23 and 24, Oakland, California
(Concentrations in micrograms per liter)

WELL	SAMPLE DATE	TPH GASOLINE	TPH DIESEL	TPH MOTOR OIL	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	LEAD

Excludes samples collected after air sparging tests from a series of samples collected from monitoring wells MW-15 and MW-52 on June 24 and 25, 2003.
Analyte abbreviations:
TPH = Total petroleum hydrocarbons.
MTBE = Methyl tertiary butyl ether.
< = Concentration as reported by the analytical laboratory is less than the Method Detection Limit (MDL) or the Practical Quantitation Limit (PQL). MDL or PQL listed in micrograms per liter.
NA = Not analyzed.
NS = Not sampled.
Data qualifiers, beginning with 2003 data (analytical laboratory data qualifiers in upper case, data validation qualifiers in lower case):
J or j = Estimated value. The analyte was positively identified, but the associated numerical result is an estimate.
u = Not detected (data validation qualifier only).
uj = Not detected. The associated numerical value is an estimate of the PQL or the MDL (data validation qualifier only).
r = Data rejected. The presence or absence of the analyte cannot be verified (data validation qualifier only).
Analysis Methods:
TPHg analyzed by EPA Method 8015V. Quantified over carbon range C6-C12 before April 2004, C4-C12 beginning with April 2004 samples.
TPHd and TPHo analyzed by EPA Method 8015D with silica gel cleanup by EPA Method 3630.
Benzene, toluene, ethylbenzene, xylenes, and MTBE analyzed by EPA Method 8021B during the April 2003 sampling event.
Benzene, toluene, ethylbenzene, xylenes, and MTBE analyzed by EPA Method 8260B after April 2003.
Lead analyzed by EPA Method 6010A or 6010B.

Figure 4
Groundwater Flow Directions
801 Maritime Street UST Site



Vector No.	Map Date
1	March 21, 2005
2	December 13, 2004
3	August 20, 2004
4	April 19, 2004
5	February 13,2004
6	November 12, 2003
7	August 7, 2003