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8/19/08

CONOCOPHILLIPS COMPANY ("CONOCOPHILLIPS"),
ON BEHALF OF PHILLIPS PETROLEUM COMPANY,
TOSCO CORPORATION AND ASSETS OF 76 PRODUCTS COMPANY

RESPONSES TO JANUARY 18, 2008
EPA FIRST REQUEST FOR INFORMATION
PORTLAND HARBOR SUPERFUND SITE
PORTLAND, OREGON

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

RESPONSE TO QUESTION 65

USEPA SF
1363582
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SEMI-ANNUAL GROUNDWATER MONITORING REPORT
(October 2007 through March 2008)

Willbridge Bulk Fuel Facilities

Portland, Oregon

Consent Order WMCSR-NWR-94-06
Delta Project ORZ0922GW-8

May 15, 2008

Prepared for:

Willbridge Terminal Group

DELTA

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1.0 EXECUTIVE SUMMARY

The Willbridge Facility is comprised of terminals owned by Chevron Products Company (Chevron), Kinder Morgan Liquid Terminals, LLC (KMLT), and ConocoPhillips Company (ConocoPhillips). This report fulfills the requirement of Section 7F of Oregon Department of Environmental Quality (DEQ) Consent Order WMCSR-NW-94-06.

Delta Consultants (Delta), ARCADIS U.S., Inc. (Arcadis), and Stantec (formerly SECOR International) performed monthly separate-phase hydrocarbon recovery, quarterly well gauging (December 2007 and March 2008), and semi-annual (March 2008) groundwater sampling as part of the remedial investigation/feasibility study work at the Willbridge Bulk Fuel Facilities (Willbridge Facility). New monitoring wells were installed in October 2007 (CR-33), December 2007 and January 2008 to evaluate the effectiveness of the cut off walls and deeper groundwater zones. In January 2008, the new groundwater wells were sampled in addition to the quarterly gauging events. Results of the January 2008 sampling event are detailed in the *Sheet Pile Cut-Off/ Recovery System Monitoring Well Installation Report* dated March 28, 2008.

Results of the March 2008 groundwater monitoring event were compared to the screening level values (SLVs) presented in Table 3-1 of the *Portland Harbor Joint Source Control Strategy (PHJSCS)* guidance document, dated December 2005. The groundwater trends and results will be evaluated and reported in a Groundwater Pathway Evaluation Report after additional groundwater data is collected quarterly from the cluster wells and cut-off wall monitoring well networks.

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS - TPH, BTEX, AND MTBE COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well/Sample Identification	Date Sampled	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)
CONOCOPHILLIPS									
B-2	03/28/05	-	-	-	-	-	-	-	3.47
dup	03/28/05	-	-	-	-	-	-	-	3.52
	09/20/05	-	-	-	-	-	-	-	4.30
B-3	03/28/05	-	-	-	-	-	-	-	10.7
	09/20/05	-	-	-	-	-	-	-	8.26
B-4	05/26/00	-	-	-	82.3	12.7	4	14.8	-
dup	05/26/00	-	-	-	74.8	10.7	2.77	10.3	-
	08/23/00	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	11/29/00	-	-	-	7.04	5.81	2.10	8.09	-
	02/20/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	05/17/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	09/26/02	-	-	-	16.5	8.36	5.14	27.6	-
	09/25/03	-	-	-	48.1	7.55	6.02	17.9	-
	03/28/05	-	-	-	-	-	-	-	<2.00
	09/26/06	-	-	-	25.6	5.03	<0.500	6.46	<2.00
	03/21/07	-	-	-	43.2	5.10	1.33	7.02	<2.00
	09/20/07	-	-	-	2.65	2.59	<0.500	4.46	<2.00
	03/26/08	2,830[11]	31,700[5]	<490	2.66	3.54	<1.00	4.90	<4.00
B-6	03/28/05	-	-	-	-	-	-	-	<2.00
	09/20/05	-	-	-	-	-	-	-	<2.00
B-16	03/28/05	-	-	-	-	-	-	-	2.11
	09/20/05	-	-	-	-	-	-	-	<2.00
B-17	02/17/00	-	-	-	274	24	15.4	37.7	-
	05/26/00	-	-	-	434	44.4	49.9	158	-
	08/28/00	-	-	-	372	21.1	10.8	15.4	-
	11/29/00	-	-	-	293	18.2	9.89	13.6	-
	02/23/01	-	-	-	258	11.8	21.3	21.6	-
dup	02/23/01	-	-	-	238	10.2	19.6	17.3	-
	05/17/01	-	-	-	165	6.82	17.0	15.7	-
dup	05/17/01	-	-	-	173	7.14	17.2	15.6	-
B-18	02/17/00	-	-	-	ND	1.04	3.46	6.13	-
	05/26/00	-	-	-	ND	ND	ND	ND	-
	08/28/00	-	-	-	ND	ND	ND	ND	-
	11/29/00	-	-	-	ND	ND	ND	ND	-
	02/23/01	-	-	-	ND	ND	ND	ND	-
	05/17/01	-	-	-	ND	0.502	ND	ND	-
B-22	02/17/00	-	-	-	NS/S	NS/S	NS/S	NS/S	-
	05/26/00	-	-	-	0.508	0.522	0.543	2.17	-
	08/28/00	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	11/29/00	-	-	-	NS/S	NS/S	NS/S	NS/S	-
	02/20/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	05/17/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
B-27	03/28/05	-	-	-	-	-	-	-	2.16

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - TPH, BTEX, AND MTBE COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well/Sample Identification	Date Sampled	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)
B-35	02/17/00	-	-	-	31.6	13.5	11	27.4	-
	05/26/00	-	-	-	194	16.3	12.5	39.8	-
	08/28/00	-	-	-	287	15.3	8.42	ND	-
	11/29/00	-	-	-	384	17.0	12.0	30.2	-
	02/23/01	-	-	-	45.6	4.87	12.4	20.5	-
	05/17/01	-	-	-	15.2	4.32	5.62	7.99	-
	09/20/01	-	-	-	58.0	3.31	9.78	15.9	-
	03/14/02	-	-	-	34.1	15.8	2.41	11.4	-
	09/26/02	-	-	-	95.8	11.3	14.0	26.3	-
	03/18/03	-	-	-	8.11	6.39	1.42	3.20	-
	09/25/03	-	-	-	66.7	7.41	3.74	19.2	-
	03/30/04	-	-	-	15.1	1.39	6.49	13.0	-
	09/28/04	-	-	-	93.4	11.7	<5.00	19.7	-
	03/28/05	-	-	-	3.71	6.72	0.660	10.5	7.20
	09/20/05	-	-	-	82.0	10.4	1.79	12.2	6.48
	03/14/06	-	-	-	18.8	7.31	1.32	10.9	-
	09/26/06	-	-	-	20.9	7.63	2.45	10.2	<2.00
	03/20/07	-	-	-	11.4	5.16	1.02	11.2	<2.00
	09/20/07	-	-	-	3.44	6.55	<0.500	10.1	<2.00
	03/27/08	1,120	88,300[5]	2,910[12]	1.65	3.00	<2.50	5.15	<10.0
B-36	02/17/00	-	-	-	0.925	1.16	0.762	3.16	-
	05/26/00	-	-	-	ND	0.82	0.502	ND	-
	08/28/00	-	-	-	2.08	2.54	0.693	2.53	-
	11/29/00	-	-	-	1.14	2.53	1.02	2.78	-
	02/23/01	-	-	-	ND	0.512	1.15	1.44	-
	05/17/01	-	-	-	ND	0.545	0.819	1.8	-
	09/20/01	-	-	-	ND	0.609	0.761	1.50	-
dup	09/20/01	-	-	-	ND	0.547	0.820	1.51	-
	03/14/02	-	-	-	ND	ND	ND	ND	-
	09/26/02	-	-	-	1.18	1.33	0.635	2.48	-
	03/18/03	-	-	-	ND	ND	ND	ND	-
	09/25/03	-	-	-	0.940	1.10	0.954	2.90	-
	03/30/04	-	-	-	<0.500	<0.500	<0.500	1.23	-
	09/28/04	-	-	-	0.614	0.679	<0.500	<1.00	-
	03/28/05	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	09/20/05	-	-	-	0.390	0.930	<0.500	<1.00	2.63
	03/14/06	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	09/26/06	-	-	-	0.760	1.18	<0.500	1.57	3.50
	03/20/07	-	-	-	0.610	0.500	<0.500	1.37	<2.00
	09/20/07	-	-	-	1.32	1.67	<0.500	1.72	3.47
	03/27/08	227	469[3]	<476	<0.400	<1.00	<1.00	<2.00	<4.00

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS - TPH, BTEX, AND MTBE COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well/Sample Identification	Date Sampled	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)
B-37	02/17/00	-	-	-	ND	0.517	0.63	1.18	-
dup	02/17/00	-	-	-	0.342	1.06	0.795	1.97	-
	05/26/00	-	-	-	ND	ND	ND	ND	-
	08/28/00	-	-	-	ND	ND	ND	ND	-
	11/29/00	-	-	-	ND	ND	ND	ND	-
	02/23/01	-	-	-	ND	ND	ND	ND	-
	05/17/01	-	-	-	ND	ND	ND	ND	-
	03/14/02	-	-	-	ND	ND	ND	ND	-
	09/26/02	-	-	-	ND	ND	ND	ND	-
	03/18/03	-	-	-	ND	ND	ND	ND	-
dup	03/18/03	-	-	-	ND	ND	ND	ND	-
	09/25/03	-	-	-	<0.500	<0.500	0.639	1.30	-
dup	09/25/03	-	-	-	<0.500	<0.500	0.628	1.24	-
	03/31/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	09/28/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	03/28/05	-	-	-	<0.200	<0.500	<0.500	<1.00	3.98
	09/20/05	-	-	-	<0.200	<0.500	<0.500	<1.00	6.14
	09/20/05	-	-	-	-	-	-	-	5.82
	03/14/06	-	-	-	<0.500	<0.500	<0.500	<1.00	-
dup	03/14/06	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	09/26/06	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/20/07	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	09/20/07	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/27/08	147[11]	<240	<481	<0.200	<0.500	<0.500	<1.00	<2.00
B-40	02/17/00	-	-	-	NS/S	NS/S	NS/S	NS/S	-
	05/26/00	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	08/28/00	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	11/29/00	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	02/20/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	05/17/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	09/26/06	-	-	-	21.5	2.94	89.4	225	<4.00
	03/20/07	-	-	-	15.2	2.74	86	213	<4.00
	09/20/07	-	-	-	15.9	2.12	63.6	153	<2.00
	03/26/08	2,860	37,600[3]	5,700	3.40	1.85	61.6	132	<2.00
OF-1	03/26/08	953[11]	6,920[3]	<490	<0.200	<0.500	<0.500	<1.00	<2.00
P-1	03/17/03	-	-	-	ND	ND	ND	ND	-
	03/31/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	09/28/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	03/28/05	-	-	-	-	-	-	-	<2.00
	03/14/06	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	09/26/06	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/20/07	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	09/20/07	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	Well Abandoned								
P-1A	03/26/08	<80.0	<245	<490	0.240	<0.500	<0.500	<1.00	<2.00
P-2	03/17/03	-	-	-	ND	0.534	ND	ND	-
	09/25/03	-	-	-	<0.500	<0.500	0.823	<1.00	-
	03/30/04	-	-	-	0.540	<0.500	<0.500	<1.00	-
	09/28/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	03/28/05	-	-	-	<0.200	<0.500	<0.500	<1.00	2.84
	09/20/05	-	-	-	<0.200	<0.500	<0.500	<1.00	4.48
	03/14/06	-	-	-	<0.500	<0.500	<0.500	<1.00	-

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - TPH, BTEX, AND MTBE COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well/Sample Identification	Date Sampled	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)
U-2	02/17/00	-	-	-	3.13	1.93	3.59	3.43	-
	05/26/00	-	-	-	0.885	1.45	ND	ND	-
	08/28/00	-	-	-	ND	ND	0.604	ND	-
	11/29/00	-	-	-	ND	ND	ND	ND	-
	02/23/01	-	-	-	ND	ND	ND	ND	-
	05/17/01	-	-	-	ND	ND	ND	ND	-
	09/20/01	-	-	-	ND	ND	ND	ND	-
	03/14/02	-	-	-	0.986	1.60	0.905	ND	
	09/26/02	-	-	-	ND	ND	ND	ND	
	03/18/03	-	-	-	ND	ND	ND	ND	
	09/25/03	-	-	-	<0.500	<0.500	<0.500	<1.00	
	03/31/04	-	-	-	2.60	<0.500	0.820	<1.00	-
	09/28/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	03/28/05	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	09/20/05	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/14/06	-	-	-	4.71	<0.500	3.19	1.05	-
	09/27/06	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/20/07	-	-	-	4.05	<0.500	1.10	<1.00	<2.00
	09/19/07	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/25/08	1,010	673[3]	<476	8.15	0.630	1.88	<1.00	<2.00
U-3	02/17/00	-	-	-	0.355	0.993	0.952	3.17	-
	05/26/00	-	-	-	1.5	0.954	1.01	2.39	-
	08/28/00	-	-	-	ND	ND	0.793	ND	-
	11/29/00	-	-	-	ND	ND	0.744	ND	-
dup	11/29/00	-	-	-	0.500	0.567	0.727	ND	-
	02/23/01	-	-	-	14.8	1.84	2.58	ND	-
	05/17/01	-	-	-	7.83	ND	0.620	1.16	-
	03/28/05	-	-	-	-	-	-	-	<2.00
	09/20/05	-	-	-	-	-	-	-	5.09
U-4	05/26/00	-	-	-	62.3	ND	ND	ND	-
	08/28/00	-	-	-	15.0	ND	1.76	ND	-
dup	08/28/00	-	-	-	14.3	0.509	2.99	1.04	-
	11/29/00	-	-	-	ND	ND	ND	ND	-
	02/23/01	-	-	-	0.844	6.84	1.07	11.2	-
	05/17/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	09/26/02	-	-	-	0.760	0.552	1.07	2.99	-
dup	09/26/02	-	-	-	0.771	0.623	2.21	4.14	-
	03/28/05	-	-	-	-	-	-	-	5.62
	09/27/06	-	-	-	<0.200	<0.500	<0.500	<1.00	6.69
	03/21/07	-	-	-	<0.200	<0.500	<0.500	<1.00	5.24
	09/19/07	-	-	-	<0.200	<0.500	<0.500	<1.00	6.36
	03/27/08	2,390[11]	51,500[5]	664[12]	<0.200	<0.500	<0.500	<1.00	4.47
U-5	02/17/00	-	-	-	3.86	0.654	0.501	2.54	-
	05/26/00	-	-	-	3.49	ND	ND	ND	-
	08/28/00	-	-	-	ND	ND	ND	ND	-
	11/29/00	-	-	-	ND	ND	ND	ND	-
	02/23/01	-	-	-	1.56	1.16	ND	ND	-
	05/17/01	-	-	-	NS/F	NS/F	NS/F	NS/F	-
	03/18/03	-	-	-	2.49	2.21	5.77	33.7	-
	09/25/03	-	-	-	2.39	1.71	7.89	7.66	-
	03/31/04	-	-	-	1.53	<0.500	<0.500	<1.00	-
	09/28/04	-	-	-	<0.500	0.806	<0.500	1.80	-
	03/28/05	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	09/20/05	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/14/06	-	-	-	0.560	<0.500	<0.500	<1.00	-
	09/26/06	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/20/07	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	09/20/07	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
U-5A	03/27/08	2,100	14,100[5]	4,650	0.400	1.18	<0.500	1.66	<2.00

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - TPH, BTEX, AND MTBE COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well/Sample Identification	Date Sampled	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)
U-10	03/18/03	-	-	-	ND	ND	ND	ND	-
	09/25/03	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	03/30/04	-	-	-	0.680	2.08	<0.500	4.01	-
	09/28/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	03/28/05	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	09/20/05	-	-	-	<0.200	<0.500	<0.500	<1.00	<2.00
	03/14/06	-	-	-	<0.500	<0.500	<0.500	<1.00	-
U-11	03/18/03	-	-	-	ND	ND	ND	ND	-
	09/25/03	-	-	-	1.74	1.37	1.04	1.74	-
	03/30/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
dup	03/30/04	-	-	-	0.650	1.93	<0.500	3.26	-
	09/28/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	03/28/05	-	-	-	0.360	0.830	<0.500	1.09	<2.00
	09/20/05	-	-	-	0.480	1.10	<0.500	1.17	<2.00
	03/14/06	-	-	-	0.780	1.74	<0.500	2.86	-
U-12	03/18/03	-	-	-	5.30	2.12	0.642	3.72	-
	09/25/03	-	-	-	<0.500	0.563	<0.500	2.00	-
	03/30/04	-	-	-	<0.500	<0.500	<0.500	<1.00	-
	09/28/04	-	-	-	1.03	0.978	0.719	2.58	-
	03/28/05	-	-	-	<0.200	<0.500	<0.500	<1.00	4.21
	09/20/05	-	-	-	<0.200	<0.500	<0.500	<1.00	4.54
	03/14/06	-	-	-	<0.500	<0.500	<0.500	<1.00	-
U-14	09/27/06	-	3,980[1]	<526[1]	<0.200	<0.500	<0.500	<1.00	<2.00
	03/21/07	<80.0	428[3]	<500	<0.200	<0.500	<0.500	<1.00	<2.00
	09/19/07	2,760	1,920[9]	<500	<1.00[10]	<2.50[10]	<2.50[10]	<5.00[10]	<10.0[10]
	03/25/08	<80.0	<238	<476	<0.200	<0.500	<0.500	<1.00	<2.00
U-15	09/27/06	-	466	<485	7.01	<0.500	1.38	<1.00	<2.00
	03/21/07	<80.0	465[4]	<490	0.560	<0.500	<0.500	<1.00	<2.00
	09/19/07	88.7	377[4]	<500	1.72	<0.500	<0.500	<1.00	<2.00
	03/25/08	132	<238	<476	1.47	<0.500	0.600	<1.00	<2.00
U-16	09/27/06	-	2,530	<500	0.440	<0.500	5.43	<1.00	<2.00
	03/21/07	277	3,630[5]	860[6]	0.220	<0.500	0.930	<1.00	<2.00
	09/19/07	456	2,800[5]	590	<0.200	<0.500	<0.500	<1.00	<2.00
	03/25/08	308	1,410[3]	<476	<0.200	<0.500	<0.500	<1.00	<2.00
U-17	09/27/06	-	4,540	<500	<0.200	<0.500	<0.500	<1.00	<2.00
	03/21/07	305	5,560[4]	<500	<0.450	<0.500	<0.500	<1.00	<2.00
	09/19/07	277	2,810[9]	<500	<0.200	<0.500	<0.500	<1.00	<2.00
	03/25/08	780	941[3]	<476	0.640	1.26	<1.00	<2.00	<4.00
U-18	03/21/07	207	16,300	6,000	0.210	0.540	<0.500	<1.00	<2.00
	09/19/07	517	9,980[5]	1,860	3.06	0.890	<0.500	1.05	<2.00
	03/25/08	239	607[3]	<476	2.36	0.850	<0.500	<1.00	<2.00
U-19	03/21/07	2,540	2,020	<490	<0.200	<0.500	0.670	<1.00	9.31
	09/19/07	3,160	1,470[3]	<485	<0.200	<0.500	1.02	<1.00	22.0
	03/25/08	1,950	522[3]	<476	<0.400	<1.00	<1.00	<2.00	<4.00
U-20	03/20/07	561	4,530	581[8]	<0.200	<0.500	<0.500	<1.00	4.28
	09/19/07	512	1,460[3]	<526	<0.200	<0.500	<0.500	<1.00	6.90
	03/25/08	240	631[3]	<490	<0.200	<0.500	<0.500	<1.00	5.51
dup	03/25/08	244	600[3]	<490	<0.200	<0.500	<0.500	<1.00	5.82
U-21	03/20/07	2,060	3,600[7]	<490	0.270	<0.500	2.50	<1.00	<2.00
	09/19/07	2,070	3,050[3]	<500	<1.00[10]	<2.50[10]	3.60	<5.00[10]	<10.0[10]
	03/26/08	1,230	945[3]	<490	<1.00[10]	<2.50[10]	<2.50[10]	<5.00[10]	<10.0[10]
U-22A	03/27/08	322[11]	10,000[5]	490	<0.400	<1.00	<1.00	<2.00	<4.00
U-22B	03/27/08	<80.0	473[4]	<481	<0.200	<0.500	<0.500	<1.00	<2.00
U-23	03/27/08	1,010	1,740[3]	<476	<1.00	<2.50	<2.50	<5.00	<10.0
U-24A	03/27/08	<400	<243	<485	<1.00	<2.50	<2.50	<5.00	<10.0
U-24B	03/27/08	<400	<238	<476	<1.00	<2.50	<2.50	<5.00	<10.0
U-25	03/27/08	722	<240	<481	<0.200	<0.500	<0.500	<1.00	<2.00

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - TPH, BTEX, AND MTBE COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well/Sample Identification	Date Sampled	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)
U-26	03/26/08	<80.0	<245	<490	<0.200	<0.500	<0.500	<1.00	<2.00
U-27	03/26/08	<80.0	<245	<490	<0.200	<0.500	<0.500	<1.00	<2.00
U-28	03/26/08	<80.0	<245	<490	<0.200	<0.500	<0.500	<1.00	<2.00
U-29B	03/26/08	<80.0	430[3]	<490	<0.200	<0.500	<0.500	<1.00	<2.00
U-29C	03/26/08	<80.0	<245	<490	<0.200	<0.500	<0.500	<1.00	<2.00
TB-LB	08/24/00	-	-	-	ND	ND	ND	ND	-
	08/25/00	-	-	-	ND	ND	ND	ND	-
	08/28/00	-	-	-	ND	ND	ND	ND	-
	11/29/00	-	-	-	ND	ND	ND	ND	-
	11/30/00	-	-	-	ND	ND	ND	ND	-
	12/01/00	-	-	-	ND	ND	ND	ND	-
	02/23/01	-	-	-	ND	ND	ND	ND	-

Notes:
2/00 and 5/00 data from IT Corporation
8/00, 11/00, 2/01 and 5/01 data from KHM Environmental Management, Inc.
NS/F = Not sampled floating product present
NS/S = Not sampled sheen present
µg/l = Micrograms per Liter
ND = Not detected at or below detection limit
<0.200 = Not detected above the laboratory method reporting limit (MRL) of 0.200 µg/L
BTEX analysis by USEPA Method 8021B
dup* = duplicate for B-30 submitted as blind duplicate labeled as B-50
dup**= duplicate for B-30 submitted as blind duplicate labled as B-31
dup*** = duplicate for B-30 submitted as blind duplicate labeled as B-99
TB-LB = trip blank
[1] = The reporting limit for this analyte was raised to compensate for the limited sample quantity available for analysis.
[2] = The reporting limit for this analyte was raised to compensate for the limited sample quantity available for analysis.
[3] = Detected hydrocarbons appear to be due to heavy gas/light diesel range components as well as weathered diesel.
[4] = Detected hydrocarbons in the diesel range do not have a distinct diesel pattern and may be due to heavily weathered diesel or possibly biogenic interference.
[5] = Hydrocarbon pattern most closely resembles weathered diesel.
[6] = The hydrocarbons present are a complex mixture of diesel range and heavy oil range organics.
[7] = Detected hydrocarbons appear to be due to heavy gas/light diesel range components as well as biogenic interference.
[8] = Detected hydrocarbons do not have a pattern and range consistent with typical petroleum products and may be due to biogenic interference.
[9] = Hydrocarbon pattern most closely resembles weathered jet fuel or similar light diesel range product.
[10] = The reporting limit was raised due to sample matrix effects.
[11] = Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
[12] = Heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
[13] = Isopropylbenzene and n-propylbenzene were detected at concentrations of 8.51 µg/L and 10.9 µg/L, respectively.
[14] = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
[15] = Chromatographic fingerprint resembles a petroleum product, but the elution pattern indicates presence of a greater amount of heavier molecular weight constituents than the calibration standard.

TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well Identification	Date Sampled	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Number of benzene rings		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
CONOCOPHILLIPS																		
B-4	02/17/00	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	05/26/00	-	13.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.19	17.3	ND	ND	28.4	2.24
dup	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	20.9	1.72
	08/28/00	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	11/29/00	-	2.60	ND	0.620	0.140	ND	ND	ND	ND	ND	ND	1.60	2.54	ND	8.80	4.72	1.24
	02/20/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	09/18/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	03/13/02	-	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S
	09/26/02	-	2.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.889	3.42	ND	ND	4.26	0.859
	03/17/03	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	09/25/03	-	2.79	ND	0.857	ND	ND	ND	ND	ND	ND	ND	1.24	5.10	ND	ND	6.24	1.23
	09/26/06	-	2.75	<0.300[6]	0.870	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	1.00	2.86	<0.200	<1.90[6]	3.68	1.00
	03/21/07	-	2.39	<0.680	<2.04	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	0.103	<0.0971	0.420	8.07	<0.0971	<5.34	11.0	1.01
	09/20/07	<0.0500[6]	1.73	<0.125[6]	0.316	0.0232	<0.0100	<0.0100	0.0122[4]	<0.0100	0.0196	<0.0100	0.512	2.55	<0.100	<2.75[6]	2.21	0.523
	03/26/08	<1.92	5.22	<4.81	4.72	0.169	0.0554	0.0543	<0.577	0.0335	0.299	<0.0288	<1.92	19.2	0.0305	<9.62	27.1	2.02
B-17	02/17/00	-	2.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.42	ND	ND	4.25	ND
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.1	ND	ND	5.33	ND
	08/28/00	-	2.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.5	ND	ND	7.10	
	11/29/00	-	1.72	0.340	0.180	ND	ND	ND	ND	ND	ND	ND	0.320	5.50	ND	0.880	4.96	0.260
	02/23/01	-	2.38	ND	0.139	ND	ND	ND	ND	ND	ND	ND	ND	8.20	ND	ND	2.93	ND
dup	02/23/01	-	2.52	ND	0.236	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.372	ND	3.84	ND
	05/17/01	-	2.19	ND	0.294	ND	ND	ND	ND	ND	ND	ND	ND	7.83	ND	ND	4.24	ND
dup	05/17/01	-	2.19	ND	0.265	ND	ND	ND	ND	ND	ND	ND	ND	8.25	ND	ND	4.14	ND
B-18	02/17/00	-	1.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.39	ND	ND	1.83	ND
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/28/00	-	1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.84	ND	ND	1.17	ND
	11/29/00	-	0.220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.440	ND	ND	0.220	ND
	02/23/01	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.11	ND	ND	ND	ND
	05/17/01	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.529	ND	ND	ND	ND
B-22	02/17/00	-	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.4	ND	ND	21.5	ND
	08/28/00	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	11/29/00	-	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S
	02/20/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	05/17/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F

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TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well Identification	Date Sampled	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Number of benzene rings		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
B-35	02/17/00	-	11	ND	5.15	1.19	ND	ND	ND	ND	1.1	ND	8.29	30	ND	ND	35.8	4.33
	05/26/00	-	ND	ND	2.61	ND	ND	ND	ND	ND	ND	ND	2.93	22.5	ND	ND	20.7	1.73
	08/28/00	-	6.77	ND	0.807	0.123	ND	ND	ND	ND	0.127	ND	1.12	13.7	ND	ND	8.35	0.584
	11/29/00	-	2.64	0.360	0.520	0.240	ND	ND	ND	ND	0.200	ND	1.46	8.30	ND	1.22	7.16	0.760
	02/23/01	-	8.44	ND	ND	0.304	ND	0.102	ND	ND	0.330	ND	ND	16.2	ND	ND	17.3	1.15
	05/17/01	-	4.34	ND	0.493	0.103	ND	ND	ND	ND	0.106	ND	0.692	11.3	ND	ND	5.50	0.425
	09/20/01	-	2.92	0.360	0.680	0.200	ND	0.120	ND	ND	0.200	ND	1.20	6.74	ND	1.00	10.0	0.700
	03/14/02	-	3.02	ND	0.620	ND	ND	ND	ND	ND	ND	ND	0.844	7.62	ND	ND	6.78	0.468
	09/26/02	-	4.76	ND	0.740	0.109	ND	ND	ND	ND	ND	ND	1.00	11.6	ND	ND	9.41	0.570
	03/18/03	-	3.46	ND	0.493	ND	ND	ND	ND	ND	ND	ND	0.578	14.3	ND	ND	7.51	0.434
	09/25/03	-	5.36	ND	0.779	ND	ND	ND	ND	ND	ND	ND	0.884	10.2	ND	ND	8.86	0.399
	03/30/04	-	3.52	<0.200	0.456	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.419	7.21	<0.200	<2.10	5.18	0.274
	09/28/04	-	5.25	<0.200	0.579	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.400	0.662	9.23	<0.200	<2.70	6.80	0.455
	03/28/05	-	<7.25	<1.00	1.13	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	2.12	15.6	<1.00	<3.50	14.7	1.24
	09/20/05	-	7.51	<0.400	2.37	0.792	<0.400	<0.400	<0.400	<0.400	0.797	<0.400	5.150	16.900	<0.400	<3.60	24.9	3.23
	03/14/06	-	4.63	<0.495	0.438	0.107	0.0259	0.0402	<0.0198	0.0201	0.0972	<0.0198	0.419	8.83	<0.0198	<2.23	7.60	0.496
	09/26/06	-	5.99	<0.619[6]	0.609	<0.206	<0.206	<0.206	<0.206	<0.206	<0.206	<0.206	1.03	11.2	<0.206	<2.27[6]	9.46	0.644
	03/20/07	-	9.21	<1.26	2.21	0.549	0.113	0.133	<0.0971	0.123	0.587	<0.0971	3.04	21.7	<0.0971	<7.28	20.8	2.96
	09/20/07	<0.750[6]	7.05	<1.00[6]	0.540	0.086	<0.0500	<0.0500	<0.0500	<0.0500	0.0980	<0.0500	1.03	13.5	<0.0500	<6.00	10.2[6]	0.616
	03/27/08	<0.962	7.73	<2.40	2.36	0.645	0.144	0.218	<0.962	0.156	0.669	<0.0481	3.92	22.1	<0.0481	<7.21	25.4	2.05
B-36	02/17/00	-	0.251	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.537	ND	ND	ND	ND
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/28/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/00	-	0.720	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.34	ND	0.520	0.180	ND
	02/23/01	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/17/01	-	0.642	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.91	ND	ND	ND	ND
	09/20/01	-	0.360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.920	ND	0.320	0.200	ND
dup	09/20/01	-	0.320	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.880	ND	0.300	0.100	ND
	03/14/02	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.262	ND	ND	ND	ND
	09/26/02	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26	ND	ND	ND	ND
	03/18/03	-	0.240	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.811	ND	ND	ND	ND
	09/25/03	-	0.584	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND
	03/30/04	-	3.51	<0.200	0.490	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.429	6.79	<0.200	<2.10	5.07	0.268
	09/28/04	-	0.853	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	1.51	<0.100	<1.80	<0.100	<0.100
dup	09/28/04	-	0.723	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	1.24	<0.100	<1.35	<0.100	<0.150
	03/28/05	-	0.728	<0.175	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	1.60	<0.100	<1.25	<0.125	<0.100
	09/20/05	-	0.274	<0.0200	<0.0300	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	0.606	<0.0200	<0.610	<0.0200	0.0285
	03/14/06	-	0.0866	<0.0288	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	0.259	<0.0192	<0.462	<0.0192	<0.0288
	09/26/06	-	0.706	<0.198[6]	<0.0495[6]	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	1.59	<0.0198	<1.98[6]	<0.0495[6]	<0.0693[6]
	03/20/07	-	<0.245	<0.0686	<0.0686	<0.0392	<0.0196	<0.0196	0.0255	<0.0196	<0.0392	<0.0196	<0.0686	0.724	<0.0196	<1.18	<0.0490	<0.196
	09/20/07	<0.125[6]	0.911	<0.250[6]	<0.250[6]	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250[6]	2.24	<0.0500	<4.25[6]	<0.250[6]	<0.250[6]
	03/27/08	<0.0962	0.187	<0.0962	<0.0962	<0.0481	0.0270	0.0368	<0.192	<0.00962	<0.0481	<0.00962	<0.0962	0.501	<0.00962	<0.385	<0.0962	<0.0962

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TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well Identification	Date Sampled	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Number of benzene rings		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
B-37	02/17/00	-	0.0698	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0547
dup	02/17/00	-	0.0683	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0731
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/28/00	-	0.124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/23/01	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.128	ND
	05/17/01	-	0.110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/14/02	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/26/02	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/18/03	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dup	03/18/03	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/25/03	-	0.120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dup	09/25/03	-	0.113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.116	ND
	03/31/04	-	0.0737	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.320	<0.0300	0.0431
	09/28/04	-	0.142	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100	<0.300	<0.100	<0.100
	03/28/05	-	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100	<0.225	<0.100	<0.100
	09/20/05	-	0.347	<0.0303	<0.0303	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.222	<0.0707	0.0454
	03/14/06	-	0.0725	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.277	<0.0198	<0.0396
dup	03/14/06	-	<0.0891	<0.0198	0.0217	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	0.0217	<0.0198	<0.0198	<0.0198	<0.0198	<0.277	0.0813	0.0591
	09/26/06	-	0.270	<0.0392[6]	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.225[6]	0.0214	0.0208
	03/20/07	-	0.186	<0.0288	0.0199	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.962	0.0517	0.0636
	09/20/07	<0.0150[6]	0.208	<0.0300[6]	<0.0500[6]	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500[6]	<0.0400[6]	<0.0100	<0.550[6]	0.0826	0.0788
	03/27/08	<0.0952	0.144	<0.0952	<0.0952	0.0121	0.0148	0.0114	<0.190	<0.00952	0.0142	<0.00952	<0.0952	<0.0952	0.0128	<0.476	<0.0952	<0.0952
B-40	02/17/00	-	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S
	05/26/00	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	08/28/00	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	11/29/00	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	02/20/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	05/17/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	09/26/06[8]	-	8.45	<1.75[6]	1.39	0.189	0.0804	<0.100[6]	<0.500	<0.100[6]	0.337	<0.0500	<0.500	9.06	<0.0500	<213[9]	13.8	1.42
	03/20/07	-	26.0	<9.95	<9.95	2.01	0.749	<0.498	<4.98	<0.498	3.86	0.298	<4.98	40.5	0.167	389	87.0	16.6
	09/20/07	260	5.71	<1.75[6]	<2.00[6]	<0.500	<0.500	<0.500	<0.500[4]	<0.500	0.507	<0.500	<0.500	6.97	<0.500	141	12.7	1.90
	03/26/08	2,080	75.6	<24.0	36.8	6.81	2.36	<1.92	<9.62	<1.92	12.0	0.621	9.75	112	0.589	612	275	33.4

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TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well Identification	Date Sampled	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Number of benzene rings		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
OF-1	03/26/08	<0.962	<0.962	<0.962	<1.44	0.0702	0.0356	0.0332	<0.192	0.0188	0.142	<0.00962	<0.962	<0.962	0.0207	<0.962	<0.962	<0.962
P-1	03/18/03	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/31/04	-	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	0.0405
	09/26/06	-	0.0137	<0.0102	<0.0102	<0.00508	<0.00508	<0.00508	<0.0102	<0.00508	0.00513	<0.00508	<0.0102	0.0225	<0.00508	<0.0457[6,7]	0.0468	0.0195
	03/20/07	-	<0.00976	<0.00976	<0.00976	<0.00488	<0.00488	<0.00488	<0.00976	<0.00488	<0.00488	<0.00488	<0.00976	<0.00976	<0.00488	<0.0341	0.0139	0.0134
									Well Abandoned									
P-1A	03/26/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.0962	<0.0962	<0.0962
P-2	03/17/03	-	2.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.62	ND	ND	2.05	ND
	9/25/03[2]	-	1.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.85	ND	ND	4.23	ND
	03/30/04	-	1.97	<0.200	<0.300	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	7.66	<0.200	<1.70	3.28	<0.200
	09/28/04	-	2.28	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.400	<0.200	8.23	<0.200	<1.40	3.56	<0.200
	03/28/05	-	2.62	<0.600	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.800	<0.400	8.77	<0.400	<1.60	3.48	<0.400
	03/14/06	-	3.45	<0.777	<0.777	<0.0388	<0.0388	<0.0388	<0.0388	<0.0388	<0.0388	<0.0388	<0.777	12.1	<0.0388	<1.94	4.17	<0.0583
U-2	02/17/00	-	0.140	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.683	0.224	ND	ND	0.104	0.0856
	05/26/00	-	0.119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.239	ND	ND	0.122	ND
	08/28/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.73	ND	ND	ND	ND
	11/29/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/23/01	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/17/01	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/20/01	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/14/02	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/26/02	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/18/03	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/25/03	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/31/04	-	0.166	<0.0200	0.0201	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.100	0.237	<0.0200	<1.12	0.0680	0.0787
	09/28/04	-	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100	<0.150	<0.100	<0.100
	03/28/05	-	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
	09/20/05	-	0.0232	<0.0196	0.0308	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	0.0187	0.0283	<0.0196	<0.118	0.0318	0.0292
	03/14/06	-	0.352	<0.106	0.0232	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	0.0392	0.454	<0.0192	<4.71	0.135	0.0798
	09/27/06	-	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.168[6]	<0.0198	0.0414
	03/21/07	-	0.135	<0.0291	0.0310	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	0.0447	0.451	<0.0194	<2.43	0.163	0.0874
	09/19/07	<0.0985	<0.0985	<0.0985	<0.0985	<0.00493	<0.00493	<0.00493	<0.0985	<0.00493	0.00585	<0.00493	<0.0985	<0.0985	<0.00493	<0.0985	<0.0985	<0.0985
	03/25/08	1.73	0.377	<0.0962	<0.0962	0.0120	<0.00962	<0.00962	<0.192	<0.00962	0.0152	<0.00962	0.0983	0.736	<0.00962	<2.40	0.203	0.129
U-3	02/17/00	-	0.142	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND	ND	0.066	ND
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.119	ND	ND	ND	ND
	08/28/00	-	0.145	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.163	ND	ND	ND	ND
	11/29/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.120	ND	0.160	ND	ND
dup	11/29/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.120	ND	ND
	02/23/01	-	0.117	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.152	ND	ND	ND	ND
	05/17/01	-	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.134	ND	ND	ND	ND

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TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well Identification	Date Sampled	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Number of benzene rings		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-4	02/16/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.92	ND	ND	7.42	ND
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.44	ND	ND	7.11	ND
	08/28/00	-	5.05	ND	1.32	ND	ND	ND	ND	ND	ND	ND	ND	11.6	ND	ND	12.4	1.17
dup	08/28/00	-	4.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.367	10.4	ND	ND	6.48	0.544
	11/29/00	-	1.66	ND	0.560	ND	ND	ND	ND	ND	ND	ND	0.220	3.38	ND	0.760	1.92	0.340
	02/23/01	-	13.0	ND	4.14	ND	ND	ND	ND	ND	0.727	ND	ND	31.6	ND	ND	40.6	4.08
	05/17/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	09/18/01	-	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S
	03/13/02	-	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S
	09/26/02	-	2.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.60	ND	ND	8.14	0.571
dup	09/26/02	-	3.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.72	ND	ND	9.70	0.842
	03/17/03	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	09/27/06	-	2.13	<0.990[6]	0.443	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	0.113	5.81	<0.0990	<2.97[6]	4.59	0.351
	03/21/07	-	2.92	<0.980	<1.96	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	0.104	<0.0980	0.263	11.2	<0.0980	<4.51	6.69	1.06
	09/19/07	<0.493	1.75	<0.985[6]	<0.985[6]	<0.0246	<0.0246	<0.0246	<0.493	<0.0246	0.0255	<0.0246	<0.493	6.00	<0.0246	<4.43[6]	2.92	<0.493
	03/27/08	<1.92	6.07	<2.88	4.12	0.0956	0.0493	0.0328	<0.385	0.0354	0.168	<0.0192	<1.92	15.8	0.0314	<5.77	18.1	2.37
U-5	02/17/00	-	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.63	ND	ND	1.42	0.0674
	05/26/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.04	ND
	08/28/00	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.52	ND	ND	2.29	ND
	11/29/00	-	0.800	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.02	ND	2.60	1.06	ND
	02/23/01	-	ND	ND	0.124	ND	ND	ND	ND	ND	ND	ND	ND	3.28	ND	ND	1.64	ND
	05/17/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	09/18/01	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	09/26/02	-	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F
	03/18/03	-	ND	ND	ND	1.08	ND	ND	2.54	ND	1.69	ND	ND	36.0	ND	ND	55.0	11.3
	09/25/03	-	5.52	ND	1.13	ND	ND	ND	ND	ND	ND	ND	ND	9.61	ND	4.71	10.7	1.31
	03/31/04	-	3.15	<0.400	0.821	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	5.18	<0.400	<2.50	5.49	1.06
	09/28/04	-	4.54	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	6.51	<0.500	<3.25	5.66	<0.500
	03/28/05	-	4.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	6.87	<1.00	<2.50	7.64	<1.00
	09/20/05	-	3.69	<0.192	0.545	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	5.80	<0.192	<2.31	6.37	0.443
	03/14/06	-	3.50	<0.784	<0.490	<0.196	<0.196	<0.196	<0.196	<0.196	<0.196	<0.196	<0.196	5.78	<0.196	<3.04	6.09	0.374
	09/26/06[8]	-	204	<72.6[6]	108	9.40	5.79	<6.07[6]	28.3	<7.28[6]	23.3	3.69	27.6	374	2.33	<121[6,7]	986	119
	03/20/07	-	4.58	<1.17	<2.14	0.189	0.0981	<0.0971	0.420	<0.0971	0.403	0.0577	<0.388	12.5	0.0459	<5.44	11.6	2.58
	09/20/07	19.2	12.4	<5.00[6]	<15.0[6]	0.548	<0.500	<0.500	1.20[9]	<0.500	0.999	<0.500	<5.00[6]	19.9	<0.500	<12.0[6]	37.6	8.00
U-5A	03/27/08	<0.721	2.95	<1.68	<0.481	<2.40	<0.144	<0.192	<0.962	<0.240	0.388	<0.0481	<0.481	6.56	0.0793	<5.29	2.26	0.519

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TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well Identification	Date Sampled	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Number of benzene rings		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-10	03/18/03	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.345	ND	ND
	09/25/03	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/30/04	-	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	0.0302	<0.0200	<0.0200
	09/28/04	-	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
	03/28/05	-	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
	09/20/05	-	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0297	<0.0198	<0.0198
	03/14/06	-	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0291	<0.0194	<0.0291
U-11	03/18/03	-	0.711	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.44	ND	ND	0.951	ND
	09/25/03	-	1.45	ND	0.229	ND	ND	ND	ND	ND	ND	ND	0.391	4.69	ND	ND	3.25	0.396
	03/30/04	-	1.73	<0.200	0.395	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.810	5.29	<0.200	<2.60	4.32	0.821
	09/28/04	-	<0.171	<0.114	<0.171	<0.114	<0.114	<0.114	<0.114	<0.114	0.114	<0.229	<0.286	<0.343	<0.114	<0.343	<0.343	0.341
	03/28/05	-	1.74	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	5.56	<1.00	<2.00	4.14	<1.00
	09/20/05	-	1.39	<0.102	0.296	0.200	<0.102	<0.102	<0.102	<0.102	0.175	<0.102	0.808	3.19	<0.102	<1.68	3.30	0.830
	03/14/06	-	1.78	<0.481	0.579	0.281	<0.192	<0.192	<0.192	<0.192	0.238	<0.192	0.926	4.54	<0.192	<2.64	4.10	1.59
U-12	03/18/03	-	1.72	ND	0.308	ND	ND	ND	ND	ND	ND	ND	0.384	7.94	ND	ND	3.91	0.541
	09/25/03	-	0.277	ND	0.138	ND	ND	ND	ND	ND	ND	ND	ND	1.25	ND	0.231	1.59	ND
	03/30/04	-	0.151	<0.0400	<0.0800	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	0.621	<0.0400	<0.320	0.238	0.0434
	09/28/04	-	1.21	<0.100	0.304	0.193	<0.100	<0.100	<0.100	<0.100	0.153	<0.200	0.816	2.56	<0.100	<1.20	2.56	0.832
	03/28/05	-	<0.325	<0.275	<0.225	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	1.00	<0.100	<0.275	0.615	<0.100
	09/20/05	-	<0.0816	<0.0408	<0.0408	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	0.313	<0.0204	<0.153	<0.0714	0.0344
	04/06/06[3]	-	0.502	<0.410	0.256	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	0.0425	<0.0190	0.0749	1.15	<0.0190	<0.524	2.20	0.0762
U-14	09/27/06	-	0.329	<0.202[6]	<0.0303[6]	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	0.0242	0.750	<0.0202	<4.14[6]	0.189	0.0400
	03/21/07	-	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	0.0284	<0.0194	<0.369	0.0292	<0.0194
	09/19/07	<0.498[6]	<0.498[6]	<0.498[6]	<0.0995	0.00719	<0.00498	<0.00498	<0.0995	<0.00498	0.0114	<0.00498	<0.0995	1.58	<0.00498	<2.49[6]	<0.0995	<0.0995
	03/25/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	0.00967	<0.00962	<0.0962	<0.0962	<0.00962	<0.144	<0.0962	<0.0962
U-15	09/27/06	-	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0784[6]	<0.0196	0.0261
	03/21/07	-	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	0.0211	<0.0196	<0.123	<0.0196	<0.0196
	09/19/07	<0.0990	<0.0990	<0.0990	<0.0990	0.00654	0.00874	0.00875	<0.0990	0.00808	0.00725	<0.00495	<0.0990	<0.0990	0.00785	<0.0990	<0.0990	<0.0990
	03/25/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.0962	<0.0962	<0.0962
U-16	09/27/06	-	0.677	<0.303	<0.202	<0.202	<0.202	<0.202	<0.202	<0.202	<0.202	<0.202	<0.202	1.14	<0.202	<1.92[6]	0.655	<0.202
	03/21/07	-	<0.583	<0.233	<0.311	<0.0777	<0.0777	<0.0777	<0.0777	<0.0777	0.0979	<0.0777	0.107	1.50	<0.0777	<1.71	0.824	0.339
	09/19/07	<0.498[6]	0.449	<0.398[6]	<0.398[6]	0.0264	0.0106	<0.00995	<0.199	<0.00995	0.0404	<0.00995	<0.199	1.93	<0.00995	<3.48[6]	0.364	0.351
	03/25/08	<0.192	0.382	<0.192	<0.192	0.0181	<0.00962	<0.00962	<0.192	<0.00962	0.0280	<0.00962	<0.192	1.13	<0.00962	0.962	<0.192	<0.192
U-17	09/27/06	-	<0.404[6]	<0.404[6]	<0.404[6]	0.0241	<0.0202	<0.0202	<0.0202	<0.0202	0.0221	<0.0202	<0.0202	0.698	<0.0202	<1.62[6]	0.408	0.124
	03/21/07	-	<0.713	<0.238	0.113	<0.0792	<0.0792	<0.0792	<0.0792	<0.0792	<0.0792	<0.0792	0.135	1.15	<0.0792	<3.72	1.57	0.327
	09/19/07	<0.490[6]	<0.490[6]	<0.490[6]	<0.490[6]	0.0291	0.00937	0.00833	<0.0980	0.00666	0.0272	<0.00490	<0.490[6]	0.739	<0.00490	<2.45[6]	<0.490[6]	0.553
	03/25/08	<0.385	0.920	<0.385	<0.385	0.0306	<0.00962	<0.00962	<0.192	<0.00962	0.0300	<0.00962	<0.385	1.70	<0.00962	2.40	1.46	<0.385

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TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Number of benzene rings		2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
Well Identification	Date Sampled	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-18	03/21/07	-	1.60	<0.385	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	5.40	<0.192	<3.08	1.76	0.277
	09/19/07	<4.98[6]	<4.98[6]	<4.98[6]	<4.98[6]	<0.0249	<0.0249	<0.0249	<0.498	<0.0249	0.0336	<0.0249	<4.98[6]	5.91	<0.0249	<4.98[6]	<4.98[6]	<0.498
	03/25/08	<0.192	0.732	<0.192	<0.192	<0.0385	<0.0192	<0.0192	<0.385	<0.0192	<0.0385	<0.0192	<0.192	2.31	<0.0192	<0.962	0.439	<0.192
U-19	03/21/07	-	<0.175	<0.0583	<0.175	0.0606	<0.0388	<0.0388	<0.0388	<0.0388	0.0878	<0.0388	0.222	0.451	<0.0388	<5.83	0.239	0.239
	09/19/07	<0.396	<0.396	<0.396	<0.396	<0.0198	<0.0198	<0.0198	<0.396	<0.0198	<0.0198	<0.0198	<0.396	<0.396	<0.0198	<4.75[6]	<0.396	<0.396
	03/25/08	<0.0962	<0.0962	<0.0962	<0.0962	0.0294	0.0187	0.0165	<0.192	0.0138	0.0406	0.0124	<0.0962	0.108	0.00984	<1.92	<0.0962	<0.0962
U-20	03/20/07	-	1.42	<0.505	<0.233	<0.0777	<0.0777	<0.0777	<0.0777	<0.0777	0.0921	<0.0777	0.0954	3.49	<0.0777	<5.44	4.56	0.195
	09/19/07	<0.493[6]	1.01	<0.591[6]	<0.394[6]	<0.00985	<0.00985	<0.00985	<0.197	<0.00985	<0.00985	<0.00985	<0.197	2.78	<0.00985	<2.96[6]	1.50	<0.197
	03/26/08	<0.0962	0.720	<0.240	<0.0962	<0.0192	<0.00962	<0.00962	<0.192	<0.00962	<0.0192	<0.00962	<0.0962	1.71	<0.00962	<1.25	1.10	<0.0962
dup	03/25/08	<0.0962	0.772	<0.288	<0.0962	<0.0192	<0.00962	<0.00962	<0.192	<0.00962	<0.0192	<0.00962	<0.0962	1.91	<0.00962	<1.30	1.10	<0.0962
U-21	03/20/07	-	1.29	<0.654	0.170	0.0845	<0.0777	<0.0777	<0.0777	<0.0777	0.0987	<0.0777	0.298	1.24	<0.0777	<8.16	0.694	0.330
	09/19/07	<4.93[6]	1.07	<0.985[6]	<0.493[6]	0.0158	<0.00493	<0.00493	<0.0985	<0.00493	0.0186	<0.00493	<0.493[6]	1.39	<0.00493	<9.85[6]	<0.493[6]	0.352
	03/26/08	<0.192	1.12	<0.481	<0.192	0.0300	<0.00962	<0.00962	<0.192	<0.00962	0.0373	<0.00962	0.208	2.11	<0.00962	<2.88	0.220	<0.192
U-22A	03/27/08	<0.0962	1.82	<0.337	<0.240	<0.0385	<0.00962	<0.0192	<0.192	<0.0192	<0.0385	<0.00962	0.105	6.55	<0.00962	<1.44	<0.288	0.121
U-22B	03/27/08	<0.0952	0.163	<0.0952	<0.0952	<0.00952	<0.00952	<0.00952	<0.190	<0.00952	<0.00952	<0.0952	<0.0952	0.746	<0.00952	<0.238	<0.0952	<0.0952
U-23	03/27/08	<0.0952	0.258	<0.0952	0.155	<0.0286	<0.00952	<0.00952	<0.190	<0.00952	<0.0286	<0.00952	<0.0952	0.973	<0.00952	<0.762	1.20	<0.0952
U-24A	03/27/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.0962	<0.0962	<0.0962
U-24B	03/27/08	<0.0952	<0.0952	<0.0952	<0.0952	<0.00952	<0.00952	<0.00952	<0.190	<0.00952	<0.00952	<0.00952	<0.0952	<0.0952	<0.00952	<0.0952	<0.0952	<0.0952
U-25	03/27/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.240	<0.0962	<0.0962
U-26	03/26/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.0962	<0.0962	<0.0962
U-27	03/26/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.0962	<0.0962	<0.0962
U-28	03/26/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.0962	<0.0962	<0.0962
U-29B	03/26/08	1.23	0.163	<0.0962	<0.0962	0.0113	0.0138	0.0125	<0.192	<0.00962	0.0162	<0.00962	<0.0962	0.257	0.0104	<0.192	<0.0962	<0.0962
U-29C	03/26/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.00962	<0.00962	<0.00962	<0.192	<0.00962	<0.00962	<0.00962	<0.0962	<0.0962	<0.00962	<0.0962	<0.0962	<0.0962

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TABLE 4
GROUNDWATER ANALYTICAL RESULTS - PAH COMPOUNDS
Willbridge Terminals
Portland, Oregon

Well Identification	Date Sampled	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Number of benzene rings		2	2	2	3	4	5	4	5	4	4	5	3	2	5	2	3	4
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)

NOTES:
- = Not sampled, not analyzed, not applicable
µg/l = Micrograms per Liter
ND = Not detected at or above method detection limit
2/00 and 5/00 data from IT Corporation
8/00, 11/00, 2/01 and 5/01 data from KHM Environmental Management, Inc.
IT Corp Data recorded as reported in Second Quarter 2000 Report
Analytes reported in alphabetical order
NS/F = Not sampled floating product present
NS/S = Not sampled sheen present
[1] = Sample rerun outside of hold time due to low surrogate recovery reported in the initial sample as a result of an extraction error.
[2] = Sample ID was misidentified by the laboratory as D-2
[3] = Analytical results are from a re-sample due to container breakage at the laboratory of the sample collected on 3/14/06.
[4] = Analyte was detected in the associated Method Blank.
[5] = Naphthalene was detected in the Method Blank at 0.0165 µg/L. Sample has a detection for naphthalene at 0.0468 µg/L. The result has been qualified and should be considered an estimate. Unable to perform corrective action due to insufficient volume left.
[6] = The reporting limit for this analyte was raised due to matrix interference or sample matrix effects.
[7] = Analyte was detected in the blank at greater than one-half of the MRL, but samples are ND.
[8] = The reporting limit was raised due to dilution necessary for analysis. Sample contains high levels of reported analyte, non-target analyte, and/or matrix interference.
[9] = Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10 times the concentration found in the method blank.
[10] = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
dup* = duplicate for B-30 submitted as blind duplicate labeled as B-50
dup**= duplicate for B-30 submitted as blind duplicate labled as B-31
dup***= duplicate for B-30 submitted as blind duplicate labeled as B-130
PAHs by EPA Method 8270M-SIM

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TABLE 5
GROUNDWATER ANALYTICAL RESULTS - TOTAL METALS
Willbridge Terminals
Portland, Oregon

Sample I.D.	Sample Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)
CONOCOPHILLIPS												
B-4	05/26/00	0.035	0.245	ND	0.0275	0.0425	0.014	NA	ND	ND	ND	0.075
dup	05/26/00	0.0367	0.259	ND	0.0283	0.0443	0.0147	NA	ND	ND	ND	0.0785
	08/28/00	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	11/29/00	0.0316	0.106	ND	0.00532	0.00968	0.00285	NA	ND	0.00165	ND	0.0176
	02/20/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	05/17/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	09/26/02	0.0308	0.0999	ND	0.00541	0.00885	0.00272	NA	ND	0.00129	ND	0.0259
	09/25/03	0.0316	0.0928	ND	0.00258	0.00497	0.00155	NA	ND	0.00129	ND	0.0147
	09/26/06	0.0361	0.113	<0.00100	0.00384	0.00673	0.00231	NA	<0.000200	<0.00200	<0.00100	0.0216
	03/21/07	0.0338	0.0955	<0.00100	0.00182	0.00362	0.00159	NA	<0.000200	<0.00100	<0.00100	0.0182
	09/20/07	0.0395	0.0891	<0.000800	0.00129	0.00421	0.000898	NA	<0.000200	<0.00160	<0.000800	0.0158
	03/26/08	0.0336	0.268	<0.00100	0.0278	0.0476	0.0170	3.22'	<0.000200	<0.00200	<0.00100	0.101
B-17	02/17/00	0.0579	0.549	0.00036	0.091	0.140	0.0676	NA	ND	0.00152	0.00028	0.215
	05/26/00	0.0509	0.195	ND	0.0191	0.029	0.0171	NA	ND	0.00126	ND	0.0485
	08/28/00	0.0532	0.113	ND	0.00279	0.00417	0.00660	NA	ND	ND	ND	0.0120
	11/29/00	0.0525	0.111	ND	0.00217	0.00695	0.00636	NA	ND	0.00220	ND	0.00979
	02/23/01	0.0519	0.0821	ND	0.00130	0.00302	0.00470	NA	ND	ND	ND	0.00966
dup	02/23/01	0.0511	0.0885	ND	0.00305	0.00691	0.00535	NA	ND	0.00119	ND	0.0143
	05/17/01	0.0658	0.125	ND	0.00518	0.00746	0.00812	NA	ND	ND	ND	0.0287
dup	05/17/01	0.0650	0.114	ND	0.00406	0.00546	0.00718	NA	ND	0.00126	ND	0.0150
B-18	02/17/00	0.0223	0.507	0.00044	0.0797	0.110	0.0293	NA	0.000098	0.00158	0.00022	0.174
	05/26/00	0.0228	0.203	ND	0.0211	0.0313	0.00922	NA	ND	ND	ND	0.0558
	08/28/00	0.0221	0.130	0.00111	0.00563	0.00684	0.00315	NA	ND	ND	ND	0.0270
	11/29/00	0.0171	0.128	ND	0.00238	0.00451	0.00120	NA	ND	0.00153	ND	0.0157
	02/23/01	0.0256	0.118	ND	0.00538	0.0107	0.00294	NA	ND	ND	ND	0.0506
	05/17/01	0.0372	0.138	ND	0.00774	0.00959	0.00310	NA	ND	0.00106	0.00101	0.0309
B-22	02/17/00	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NA	NS/S	NS/S	NS/S	NS/S
	05/26/00	0.0255	0.126	ND	0.0105	0.0187	0.00561	NA	ND	ND	ND	0.0385
	08/28/00	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	11/29/00	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NA	NS/S	NS/S	NS/S	NS/S
	02/20/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	05/17/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F

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TABLE 5
GROUNDWATER ANALYTICAL RESULTS - TOTAL METALS
Willbridge Terminals
Portland, Oregon

Sample I.D.	Sample Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)
B-35	02/17/00	0.0602	0.480	0.00062	0.0893	0.122	0.0828	NA	ND	0.00164	0.00021	0.311
	05/26/00	0.0102	0.116	ND	0.00786	0.0114	0.00264	NA	ND	0.0013	ND	0.0233
	08/28/00	0.0377	0.128	0.00153	0.00467	0.00612	0.00643	NA	ND	ND	ND	0.0339
	11/29/00	0.0468	0.131	ND	0.00316	0.00691	0.00619	NA	ND	0.00212	ND	0.0208
	02/23/01	0.0347	0.0816	ND	0.00200	0.00380	0.00305	NA	ND	0.00100	ND	0.0308
	05/17/01	0.0504	0.153	ND	0.0107	0.0141	0.0106	NA	ND	ND	ND	0.0511
	09/20/01	0.0344	0.0901	ND	0.00178	0.00420	0.00160	NA	ND	ND	ND	0.00632
	03/14/02	0.0335	0.308	ND	0.0463	0.0534	0.0298	NA	ND	0.00139	0.00145	0.146
	09/26/02	0.0296	0.225	ND	0.0298	0.0314	0.0147	NA	ND	0.00131	ND	0.0816
	03/18/03	0.0387	0.0958	ND	0.00155	0.00422	0.00277	NA	ND	ND	ND	0.00700
	09/25/03	0.0517	0.132	ND	0.00334	0.00631	0.00536	NA	ND	ND	ND	0.0171
	03/30/04	0.0291	0.135	<0.00100	0.0119	0.0149	0.00779	NA	<0.000200	<0.00100	<0.00100	0.0152
	09/28/04	0.0422	0.182	<0.00100	0.00829	NA	0.00993	NA	0.00171	<0.00100	<0.00100	NA
	03/28/05	0.0381	0.160	<0.00100	0.0124	0.0180	0.0156	NA	<0.000200	<0.00100	<0.00100	0.0776
	09/20/05	0.0426	0.282	<0.00100	0.0329	0.0408	0.0306	NA	<0.000200	<0.00200	<0.00100	0.107
	03/14/06	0.0423	0.105	<0.00100	0.00192	0.00534	0.00285	NA	<0.000200	<0.00200	<0.00100	0.0396
	09/26/06	0.0387	0.116	<0.00100	0.00233	0.00424	0.00344	NA	<0.000200	<0.00200	<0.00100	0.0233
	03/21/07	0.0336	0.272	<0.00100	0.0265	0.0270	0.0207	NA	<0.000200	<0.00100	<0.00100	0.114
	09/20/07	0.0398	0.135	<0.000800	0.00766	0.0121	0.0057	NA	<0.000200	<0.00160	<0.000800	0.0386
	03/27/08	0.0610	0.498	<0.00380	0.0825	0.144	0.0914	6.18	<0.000200	<0.0500	0.000255	0.388
B-36	02/17/00	0.0105	0.168	0.00021	0.0222	0.0306	0.00779	NA	ND	0.00064	ND	0.0551
	05/26/00	0.0105	0.120	ND	0.00819	0.012	0.00251	NA	ND	ND	ND	0.025
	08/28/00	0.0224	0.156	ND	0.00784	0.00876	0.00322	NA	ND	ND	ND	0.0474
	11/29/00	0.0223	0.130	ND	0.00525	0.00834	0.00171	NA	ND	0.00202	ND	0.0171
	02/23/01	0.0488	0.174	ND	0.00371	0.00666	0.00142	NA	ND	0.00234	ND	0.0244
	05/17/01	0.0387	0.476	ND	0.05720	0.06960	0.01650	NA	ND	0.00301	ND	0.138
	09/20/01	0.0185	0.0861	ND	0.00154	0.00302	ND	NA	ND	ND	ND	0.00761
dup	09/20/01	0.0204	0.0974	ND	0.00294	0.00411	ND	NA	ND	ND	ND	0.0132
	03/14/02	0.00840	0.0901	ND	0.00874	0.0114	0.00271	NA	ND	ND	ND	0.0294
	09/26/02	0.0170	0.109	ND	0.00688	0.00910	0.00440	NA	ND	ND	ND	0.0334
	03/18/03	0.00402	0.0409	ND	0.00234	0.00393	0.00144	NA	ND	ND	ND	0.00729
	09/25/03	0.0200	0.0644	ND	ND	ND	ND	NA	ND	0.00105	ND	ND
	03/30/04	0.00719	0.0586	<0.00100	0.00313	0.00580	0.00149	NA	<0.000200	<0.00100	<0.00100	0.0152
	09/28/04	0.0233	0.112	<0.00100	0.00349	NA	0.00120	NA	0.000285	<0.00100	<0.00100	NA
dup	09/28/04	0.0221	0.0814	<0.00100	0.00222	NA	<0.00100	NA	<0.000200	<0.00100	<0.00100	NA
	03/28/05	0.0240	0.104	<0.00100	0.00367	0.00482	0.00153	NA	<0.000200	<0.00100	<0.00100	0.0195
	09/20/05	0.0205	0.103	<0.00100	0.00450	0.00637	0.00145	NA	<0.000200	<0.00200	<0.00100	0.0132
	03/14/06	0.00803	0.0401	<0.00100	<0.00100	0.00331	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.00531
	09/26/06	0.0217	0.0874	<0.00100	<0.00100	<0.00200	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.00671
	03/21/07	0.0151	0.259	<0.0010	0.02840	0.0384	0.00970	NA	<0.000200	<0.00100	<0.00100	0.0812
	09/20/07	0.0241	0.169	<0.000800	0.0112	0.0180	0.00447	NA	<0.000200	<0.00160	<0.000800	0.0500
	03/27/08	0.0180	0.397	<0.000380	0.0467	0.0773	0.0186	3.89	0.000202	<0.00500	0.000203	0.168

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TABLE 5
GROUNDWATER ANALYTICAL RESULTS - TOTAL METALS
Willbridge Terminals
Portland, Oregon

Sample I.D.	Sample Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)
B-37	02/17/00	0.369	0.152	0.00033	0.0159	0.0297	0.00705	NA	ND	0.00159	ND	0.0544
dup	02/17/00	0.327	0.0344	0.0004	0.00066	0.00145	0.00236	NA	ND	0.00025	ND	0.00159
	05/26/00	0.418	0.092	ND	0.00526	0.0131	0.00234	NA	ND	ND	ND	0.0215
	08/28/00	0.897	0.227	ND	0.00462	0.00938	0.00209	NA	ND	ND	ND	0.0303
	11/29/00	0.391	0.0990	ND	0.00221	0.00608	ND	NA	ND	0.00132	ND	0.0120
	02/23/01	0.198	0.0747	ND	ND	0.00339	ND	NA	ND	ND	ND	0.0170
	05/17/01	0.521	0.168	ND	0.00408	0.00984	0.00164	NA	ND	ND	ND	0.0355
	03/14/02	0.0869	0.252	ND	0.0170	0.0409	0.00746	NA	ND	ND	ND	0.0764
	09/26/02	0.117	0.119	ND	0.00603	0.0100	0.00625	NA	ND	ND	ND	0.0348
	03/18/03	0.0758	0.121	ND	0.00829	0.0178	0.00429	NA	ND	ND	0.00222	0.0539
dup	03/18/03	0.0683	0.0958	ND	0.00572	0.0115	0.00288	NA	ND	ND	0.00141	0.0364
	09/25/03	0.260	0.158	ND	0.00290	0.00853	0.00119	NA	ND	0.00169	ND	0.0215
dup	09/25/03	0.247	0.182	ND	0.00513	0.0143	0.00217	NA	ND	ND	ND	0.0330
	03/31/04	0.125	0.0546	<0.00100	0.00137	0.00454	0.00131	NA	<0.000200	<0.00100	<0.00100	0.00842
	09/28/04	0.131	0.0784	<0.00100	0.00218	NA	<0.00100	NA	<0.000200	<0.00100	<0.00100	NA
	03/28/05	0.0734	0.0798	<0.00100	0.00187	0.00593	0.00157	NA	<0.000200	<0.00100	<0.00100	0.0270
	09/20/05	0.0802	0.0827	<0.00100	0.00115	0.00229	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.0133
	03/14/06	0.230	0.0616	<0.00100	<0.00100	0.00434	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.00615
dup	03/14/06	0.217	0.0720	<0.00100	0.00110	0.00481	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.00820
	09/26/06	0.165	0.0613	<0.00100	<0.00100	0.00288	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.0110
	03/21/07	0.151	0.0458	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.000200	<0.00100	<0.00100	<0.0100
	09/20/07	0.0978	0.0668	<0.000800	0.00128	0.00392	0.000963	NA	<0.000200	<0.00160	<0.000800	0.0143
	03/27/08	0.140	0.0787	<0.000380	0.00455	0.0106	0.00315	1.47	<0.000200	<0.00500	<0.000120	<0.0330
B-40	02/17/00	NS/S	NS/S	NS/S	NS/S	NS/S	NS/S	NA	NS/S	NS/S	NS/S	NS/S
	05/26/00	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	08/28/00	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	11/29/00	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	02/20/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	05/17/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	09/26/06	0.0184	0.0673	<0.0000752	<0.000800	0.00367	<0.000432	NA	<0.00000500	<0.00160	<0.0000960	0.0166
	03/20/07	0.0214	0.0808	<0.000752	0.00185	0.00712	0.00201	NA	<0.00000500	<0.00160	<0.000800	0.0570
	09/20/07	0.0242	0.0640	<0.000800	<0.000800	0.00185	<0.000800	<0.000800	<0.00000500	<0.00160	<0.000800	0.0136
	03/26/08	0.0209	0.145	<0.00100	0.0140	0.0328	0.00928	3.16[7]	<0.000200	<0.00200	<0.00100	0.150
OF-1	03/26/08	0.0564	0.290	0.0112	0.0250	0.0749	0.0289	3.96[7]	<0.000200	<0.00200	<0.00100	0.242
P-1	03/17/03	0.0225	1.27	ND	0.216	0.239	0.0946	NA	0.000604	ND	ND	0.825
	03/31/04	0.0527	4.37	<0.0100	0.642	0.848	0.244	NA	0.000816	<0.0100	<0.0100	1.73
	03/14/06	0.00334	0.141	0.00168	0.0205	0.0291	0.00779	NA	<0.000200	<0.00200	<0.00100	0.0646
	09/26/06	0.0140	1.21	0.00458	0.130	0.185	0.0418	NA	0.000300[4,5]	<0.00160	0.000732	0.358
	03/20/07	<0.000800	0.0208	<0.000752	0.00226	0.00311	<0.000800	NA	<0.00000500	<0.00160	<0.000800	0.00698
	09/20/07	NA	NA	NA	NA	NA	NA	NA	0.0000665	NA	NA	NA
	Well Abandoned											
P-1A	03/26/08	0.00699	0.233	<0.00100	0.0283	0.0369	0.0282	0.797[7]	<0.000200	<0.00200	<0.00100	0.151
P-2	03/17/03	0.0111	0.0783	ND	0.00232	0.00722	0.00288	NA	ND	ND	0.00106	0.00979
	09/25/03[1]	0.00966	0.116	ND	0.00443	0.0116	0.00553	NA	ND	0.00109	ND	0.0137
	03/30/04	0.00805	0.131	<0.00100	0.00187	0.00447	0.00126	NA	<0.000200	<0.00100	<0.00100	0.0123
	09/28/04	0.0103	0.163	<0.00100	0.00570	NA	0.00742	NA	0.000214	0.00103	<0.00100	NA
	03/28/05	0.00951	0.141	<0.00100	0.00335	0.00900	0.00454	NA	<0.000200	<0.00100	<0.00100	0.0119
	09/20/05	0.00659	0.144	<0.00100	0.00567	0.0152	0.00728	NA	<0.000200	<0.00200	<0.00100	0.0131
	03/14/06	0.00540	0.0517	<0.00100	<0.00100	0.00266	<0.00100	NA	<0.000200	<0.00200	<0.00100	<0.00500

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TABLE 5
GROUNDWATER ANALYTICAL RESULTS - TOTAL METALS
Willbridge Terminals
Portland, Oregon

Sample I.D.	Sample Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)
U-2	02/17/00	0.0188	0.0832	0.00023	0.00363	0.0116	0.00499	NA	ND	0.00034	ND	0.0241
	05/26/00	0.011	0.0503	ND	0.00137	0.00537	0.00145	NA	ND	ND	ND	0.0109
	08/28/00	0.0119	0.0503	0.00120	0.00109	0.00377	0.00169	NA	ND	ND	ND	0.0147
	11/29/00	0.00729	0.0499	ND	0.00158	0.00314	0.00109	NA	ND	0.00105	ND	0.0131
	02/23/01	0.00887	0.0373	ND	ND	0.00935	0.00173	NA	ND	ND	ND	0.0212
	05/17/01	0.00953	0.0427	ND	0.00129	0.00916	0.00257	NA	ND	ND	ND	0.0205
	09/20/01	0.00680	0.0397	ND	ND	0.00421	ND	NA	ND	ND	ND	0.00700
	03/14/02	0.0108	0.0534	ND	0.00168	0.00666	0.00183	NA	ND	ND	ND	0.0436
	09/26/02	0.00678	0.0443	ND	ND	0.00277	ND	NA	ND	0.00127	ND	0.0116
	03/18/03	0.00998	0.0487	ND	0.00100	0.00583	0.00111	NA	ND	ND	ND	0.0398
	09/25/03	0.00978	0.0749	ND	0.00658	0.00896	0.00268	NA	ND	ND	ND	0.0636
	03/31/04	0.0158	0.0846	<0.00100	0.00243	0.0107	0.00313	NA	<0.000200	0.00116	<0.00100	0.0500
	09/28/04	0.0111	0.0762	<0.00100	0.00318	NA	0.00282	NA	<0.000200	<0.00100	<0.00100	NA
	03/28/05	0.0132	0.0996	<0.00100	0.00326	0.0187	0.00531	NA	<0.000200	<0.00100	<0.00100	0.0944
	09/20/05	0.0198	0.129	<0.00100	0.00174	0.0170	0.00550	NA	<0.000200	<0.00200	<0.00100	0.0520
	03/14/06	0.0156	0.0451	<0.00100	<0.00100	0.00775	0.00228	NA	<0.000200	<0.00200	<0.00100	0.0327
	09/27/06	0.0160	0.0617	<0.00100	<0.00100	0.0196	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.0106
	03/21/07	0.0181	0.0702	<0.00100	0.00117	-	0.00158	NA	<0.000200	<0.00100	<0.00100	-
	09/19/07	0.0135	0.0925	<0.000800	0.00181	0.00747	0.00236	NA	<0.000200	<0.00160	<0.000800	0.0392
	03/25/08	0.0276	0.0620	<0.00100	0.00213	0.0122	0.00376	4.10	<0.000200	<0.00200	<0.00100	0.0209

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TABLE 5
GROUNDWATER ANALYTICAL RESULTS - TOTAL METALS
Willbridge Terminals
Portland, Oregon

Sample I.D.	Sample Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)
U-3	02/17/00	0.0421	0.184	0.00023	0.0241	0.0171	0.0225	NA	ND	0.00102	ND	0.268
	05/26/00	0.040	0.171	ND	0.0149	0.0116	0.0182	NA	ND	0.00145	ND	0.139
	08/28/00	0.0365	0.124	ND	0.00704	0.00673	0.0212	NA	ND	0.00202	ND	0.103
	11/29/00	0.0428	0.170	ND	0.00994	0.00949	0.0167	NA	ND	0.00342	ND	0.107
dup	11/29/00	0.0413	0.172	ND	0.00996	0.00932	0.0149	NA	ND	0.00284	ND	0.0973
	02/23/01	0.119	0.631	ND	0.170	0.107	303	NA	ND	ND	ND	1.47
	05/17/01	0.0450	0.111	ND	0.00359	0.00439	0.00427	NA	ND	0.00170	ND	0.0258
U-4	05/26/00	0.0188	0.101	ND	0.00367	0.00749	0.00268	NA	ND	ND	ND	0.0149
	08/28/00	0.0198	0.0930	ND	ND	0.00214	0.00129	NA	ND	ND	ND	0.0150
dup	08/28/00	0.0189	0.0922	ND	ND	0.00299	0.00131	NA	ND	ND	ND	0.0157
	11/29/00	0.0198	0.0911	ND	ND	ND	ND	NA	ND	0.00194	ND	0.00895
	02/23/01	0.0215	0.0802	ND	ND	ND	ND	NA	ND	ND	ND	0.00587
	05/17/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	09/26/02	0.0183	0.106	ND	0.00432	0.0105	0.00484	NA	ND	0.00180	ND	0.0377
dup	09/26/02	0.0183	0.106	ND	0.00403	0.00976	0.00379	NA	ND	0.00128	ND	0.0313
	09/27/06	0.0171	0.0816	<0.00100	<0.00100	0.00234	<0.00100	NA	<0.000200	<0.00200	<0.00100	0.00996
	03/21/07	0.0182	0.0944	<0.00100	0.000308	0.00863	0.00253	NA	<0.000200	<0.00100	<0.00100	0.0294
	09/19/07	0.0184	0.0842	<0.000800	<0.000800	0.00235	<0.000800	NA	<0.000200	<0.00160	<0.000800	0.0105
	03/27/08	0.0190	0.101	<0.000380	0.00402	0.0113	0.00409	2.69	<0.000200	<0.00500	<0.000120	<0.0330
U-5	02/17/00	0.0127	0.164	0.00094	0.0175	0.0456	0.0189	NA	ND	0.00095	ND	0.933
	05/26/00	0.0104	0.0748	ND	0.00225	0.00912	0.0037	NA	ND	ND	ND	0.286
	08/28/00	0.0109	0.219	ND	0.00759	0.0216	0.0143	NA	ND	0.00165	ND	0.884
	11/29/00	0.0123	0.124	ND	0.00547	0.0215	0.00856	NA	ND	0.00216	ND	0.825
	02/23/01	0.0126	0.101	ND	0.00692	0.0345	0.0140	NA	ND	0.00100	ND	1.17
	05/17/01	NS/F	NS/F	NS/F	NS/F	NS/F	NS/F	NA	NS/F	NS/F	NS/F	NS/F
	03/18/03	0.0110	0.170	ND	0.0129	0.0663	0.0158	NA	ND	ND	0.00323	2.59
	09/25/03	0.0126	0.102	ND	0.00736	0.0201	0.00947	NA	ND	0.00118	ND	0.800
	03/31/04	0.00802	0.0852	<0.00100	0.00758	0.0230	0.0115	NA	<0.000200	<0.00100	<0.00100	0.785
	09/28/04	0.00987	0.103	<0.00100	0.00623	NA	0.0106	NA	0.000228	<0.00100	<0.00100	NA
	03/28/05	0.0123	0.131	<0.00100	0.0229	0.0645	0.0381	NA	<0.000200	<0.00100	<0.00100	1.98
	09/20/05	0.00704	0.107	<0.00100	0.00583	0.0188	0.0124	NA	<0.000200	<0.00200	<0.00100	0.720
	03/14/06	0.00816	0.132	<0.00100	0.0117	0.0307	0.0127	NA	<0.000200	<0.00200	<0.00100	0.669
	09/26/06[2]	0.00621	0.122	0.000532	0.00960	0.0310	0.0151	NA	0.0000182	<0.00320[3]	<0.0000960	1.07[3]
	03/20/07	0.0117	0.301	0.00145	0.0268	0.0548	0.0432	NA	0.0000248	<0.00160	<0.000800	2.13
	09/20/07	0.026	0.334	<0.00800	0.0167	0.1310	0.0224	NA	0.0000233	<0.0160	<0.000800	2.97
U-5A	03/27/08	0.0526	0.0630	<0.000380	0.00300	0.0194	0.0530	6.17	<0.000200	<0.00500	<0.000120	0.204
U-10	03/18/03	0.107	3.39	ND	0.313	0.403	0.176	NA	0.000551	ND	ND	1.22
	09/25/03	0.00975	0.196	ND	0.0132	0.0149	0.00904	NA	ND	ND	ND	0.0493
	03/30/04	0.0316	0.128	<0.00100	0.00481	0.00573	0.0225	NA	<0.000200	<0.00100	<0.00100	0.0288
	09/28/04	0.00657	0.201	<0.00100	0.00986	NA	0.00852	NA	<0.000200	<0.00100	<0.00100	NA
	03/28/05	0.00643	0.127	<0.00100	0.00529	0.00600	0.00462	NA	<0.000200	<0.00100	<0.00100	0.0293
	09/20/05	0.00686	0.123	<0.00100	0.00120	0.00258	0.00205	NA	<0.000200	<0.00200	<0.00100	0.0106
	03/14/06	0.00918	0.140	<0.00100	0.00607	0.00933	0.00486	NA	<0.000200	<0.00200	<0.00100	0.0403

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TABLE 5
GROUNDWATER ANALYTICAL RESULTS - TOTAL METALS
Willbridge Terminals
Portland, Oregon

Sample I.D.	Sample Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)
U-11	03/18/03	0.00942	0.372	ND	0.0297	0.0339	0.0336	NA	0.000211	0.00153	ND	0.110
	09/25/03	0.0343	0.0893	ND	0.00220	0.00287	0.00830	NA	ND	0.00101	ND	0.0124
	03/30/04	0.00679	0.363	<0.00100	0.0341	0.312	0.0212	NA	<0.000200	0.00165	<0.00100	0.103
dup	03/30/04	0.0357	0.108	<0.00100	0.00400	0.00594	0.0201	NA	<0.000200	<0.00100	<0.00100	0.0292
	09/28/04	0.0106	0.534	<0.00100	0.05610	NA	0.0684	NA	0.000472	0.00192	<0.00100	NA
	03/28/05	0.0388	0.106	<0.00100	0.00152	0.00218	0.00562	NA	<0.000200	<0.00100	<0.00100	0.0137
	09/20/05	0.0453	0.273	<0.00100	0.0242	0.0309	0.116	NA	0.000270	<0.00200	<0.00100	0.140
	03/14/06	0.0420	0.101	<0.00100	0.00137	0.0172	0.00669	NA	<0.000200	<0.00200	<0.00100	0.0120
U-12	03/18/03	0.0323	0.136	ND	0.00600	0.00711	0.0228	NA	ND	ND	ND	0.0338
	09/25/03	0.0418	1.91	ND	0.362	0.372	0.302	NA	0.000559	0.00480	ND	1.2
	03/30/04	0.00655	0.248	<0.00100	0.0179	0.0233	0.0220	NA	<0.000200	0.00185	<0.00100	0.0728
	09/28/04	0.0369	0.208	<0.00100	0.0102	NA	0.0499	NA	<0.000200	<0.00100	<0.00100	NA
	03/28/05	0.0172	1.01	0.00211	0.132	0.140	0.146	NA	<0.000200	0.00345	<0.00100	0.570
	09/20/05	0.00626	0.176	<0.00100	0.00798	0.00998	0.0125	NA	<0.000200	<0.00200	<0.00100	0.0417
	03/14/06	0.00453	0.216	<0.00100	0.00823	0.0105	0.00692	NA	<0.000200	<0.00200	<0.00100	0.0273
U-14	09/27/06	0.0674	1.97	0.00184	0.122	0.159	0.175	NA	0.000558	<0.00200	<0.00100	0.496
	03/21/07	0.00993	0.266	<0.00100	0.0141	0.0181	0.0250	NA	<0.000200	0.00152	<0.00100	0.0831
	09/19/07	0.163	2.50	<0.000800	0.0833	0.106	0.120	NA	0.000452	0.00310	<0.000800	0.822
	03/25/08	0.0223	0.188	<0.00100	0.0119	0.0147	0.0218	0.949	<0.000200	<0.00200	<0.00100	0.0710
U-15	09/27/06	0.0899	0.777	0.00126	0.0903	0.109	0.179	NA	0.000221	<0.00200	<0.00100	0.292
	03/21/07	0.0751	0.416	<0.00100	0.0461	0.0581	0.08631	NA	<0.000200	0.00115	<0.00100	0.158
	09/19/07	0.126	4.79	0.00199	0.232	0.388	0.508	NA	0.000780	0.00538	0.00142	2.15
	03/25/08	0.0685	0.284	<0.00100	0.0196	0.0464	0.0439	11.9	<0.000200	<0.00200	<0.00100	0.146
U-16	09/27/06	0.0854	0.866	0.00131	0.0847	0.113	0.111	NA	0.00170	<0.00200	<0.00100	0.239
	03/21/07	0.112	0.746	0.00153	0.0764	0.113	0.107	NA	0.00135	0.00174	<0.00100	0.260
	09/19/07	0.105	0.280	<0.000800	0.0156	0.0262	0.0191	NA	0.000247	<0.00160	<0.000800	0.0764
	03/25/08	0.0868	0.153	<0.00100	0.00582	0.00859	0.00797	9.97	<0.000200	<0.00200	<0.00100	0.0548
U-17	09/27/06	0.0581	0.606	<0.00100	0.0694	0.0873	0.0552	NA	<0.000200	<0.00200	<0.00100	0.183
	03/21/07	0.0239	0.141	<0.00100	0.0123	0.0185	0.0252	NA	<0.000200	<0.00100	<0.00100	0.0454
	09/19/07	0.0476	0.294	<0.000800	0.0261	0.0423	0.0381	NA	<0.000200	<0.00160	<0.000800	0.0982
	03/25/08	0.0240	0.0874	<0.00100	0.00198	0.00421	0.00556	4.38	<0.000200	<0.00200	<0.00100	0.0138
U-18	03/21/07	0.0690	0.491	<0.00100	0.0539	0.0920	0.0642	NA	<0.000200	0.00112	<0.00100	0.213
	09/19/07	0.0957	0.259	<0.000800	0.0204	0.0403	0.0219	NA	<0.000200	<0.00160	<0.000800	0.101
	03/25/08	0.0810	0.0953	<0.00100	0.00669	0.0109	0.0128	1.36	<0.000200	<0.00200	<0.00100	0.0453
U-19	03/21/07	0.0766	0.262	<0.00100	0.012	0.0224	0.0232	NA	0.000201	<0.00100	<0.00100	0.139
	09/19/07	0.0968	0.100	<0.000800	0.00442	0.0106	0.00899	NA	<0.000200	<0.00160	<0.000800	0.163
	03/25/08	0.0934	0.160	<0.00100	0.00894	0.0119	0.0130	4.95	<0.000200	<0.00200	<0.00100	0.169
U-20	03/21/07	0.0500	0.352	<0.00100	0.0411	0.0456	0.0534	NA	<0.000200	0.00103	<0.00100	0.157
	09/19/07	0.0281	0.0619	<0.000800	<0.000800	<0.00160	<0.000800	NA	<0.000200	<0.00160	<0.000800	0.00438
	03/25/08	0.0174	0.0617	<0.00100	<0.00100	<0.00200	0.00108	5.35[7]	<0.000200	<0.00200	<0.00100	0.00522
dup	03/25/08	0.0145	0.0575	<0.00100	<0.00100	<0.00200	<0.00100	5.17[7]	<0.000200	<0.00200	<0.00100	<0.00500
U-21	03/21/07	0.00828	0.280	<0.00100	0.0244	0.0306	0.0241	NA	<0.000200	<0.00100	<0.00100	0.0886
	09/19/07	0.00628	0.0748	<0.000800	0.000954	0.00311	0.00400	NA	<0.000200	<0.00160	<0.000800	0.00939
	03/26/08	0.00276	0.0836	<0.00100	0.00110	0.00518	0.00112	1.38[7]	<0.000200	<0.00200	<0.00100	0.0132
U-22A	03/27/08	0.0103	0.134	<0.000380	0.00344	0.00529	0.0242	3.30	<0.000200	<0.00500	<0.000120	0.0410
U-22B	03/27/08	0.00978	0.464	<0.000380	0.0511	0.0630	0.0237	2.08	<0.000200	<0.00500	0.000128	0.179
U-23	03/27/08	0.0136	1.45	<0.000380	0.0571	0.105	0.0831	4.00	0.000285	<0.00500	0.000333	0.383
U-24A	03/27/08	0.0294	0.497	<0.000380	0.0605	0.103	0.0198	13.4	<0.000200	<0.00500	0.000200	0.173
U-24B	03/27/08	0.00158	0.212	<0.000380	0.00179	<0.00270	0.000823	2.97	<0.000200	<0.00500	0.000120	<0.0330
U-25	03/27/08	0.00933	0.0606	<0.000380	0.00344	0.00517	0.00233	4.15	<0.000200	<0.00500	<0.000120	<0.0330
U-26	03/26/08	0.0112	0.959	<0.00100	0.0130	0.0226	0.0436	0.798[7]	<0.000200	<0.00200	<0.00100	0.0872

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TABLE 5
GROUNDWATER ANALYTICAL RESULTS - TOTAL METALS
Willbridge Terminals
Portland, Oregon

Sample I.D.	Sample Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)
U-27	03/26/08	0.0158	0.149	<0.00100	0.0209	0.0236	0.00745	3.12[7]	<0.000200	<0.00200	<0.00100	0.0436
U-28	03/26/08	0.00437	0.0859	<0.00100	0.00244	0.00394	0.00110	3.70[7]	<0.000200	<0.00200	<0.00100	0.0130
U-29B	03/26/08	0.00574	0.216	<0.00100	0.00538	0.00738	0.00257	1.55[7]	<0.000200	<0.00200	<0.00100	0.0166
U-29C	03/26/08	0.00771	0.106	<0.00100	0.00367	0.00576	0.00720	3.89[7]	<0.000200	<0.00200	<0.00100	0.0254

NOTES:
NA - Not Analyzed
ND - Not detected at laboratory reporting limits
NS/F = Not sampled floating product present
NS/S = Not sampled sheen present
2/00 and 5/00 data from IT Corporation
8/00, 11/00, 2/01 and 5/01 data from KHM Environmental Management, Inc.
Sample locations are shown on Figure 2
Analytical Reports are included in Attachment B
dup* = duplicate for B-30 submitted as blind duplicate labeled as B-50
dup**= duplicate for B-30 submitted as blind duplicate labeled as B-31
dup***= duplicate for B-30 submitted as blind duplicate labeled as B-130
[1] = Sample ID was misidentified by the laboratory as D-2
[2] = Sample ID was misidentified by the laboratory as U-2
[3] = The reporting limit for this analyte was raised due to matrix interference.
[4] = The sample container type or preservation does not meet method specifications using EPA Method 1631 modified. The sample was also analyzed for total mercury by EPA Method 7470A. Total mercury was not detected above the laboratory MRL of 0.000200 mg/l.
[5] = Estimated value
[6] = The laboratory control sample (LCS) and/or LCS Duplicate recovery was above the acceptance limits.
[7] = Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10 times the concentration found in the method blank.
[8] = Dissolved Metals per EPA 6000/7000 Series Methods
[9] = Analyte was detected in the associated method blank at a level that is significant relative to the sample result.
Total Metals Analysis by EPA 6000/7000 Series Methods
Total mercury analysis by EPA 6000/7000 Series Methods, EPA Method 1631 Modified, or EPA Method 245.1

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2.0 GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring and sampling activities, along with separate-phase hydrocarbon (SPH) recovery were performed at the Willbridge Facility from October 2007 through March 2008. The Willbridge Facility is located in northwest Portland, Oregon on Northwest Front Avenue, along the Willamette River (see Figure 1). Groundwater and sampling activities were conducted in accordance with the following sampling plans.

- *Sampling and Analysis Plan Addendum* dated September 22, 2006
- *Sheet Pile Cut-Off/Recovery System Performance Monitoring Plan* dated March 30, 2007
- *Locality of Facility Work Plan* dated June 26, 2007

Monitoring activities were performed on December 17, 2007 (fourth quarter 2007) and March 24 through March 27, 2008 (first quarter 2008) and consisted of measuring depth to groundwater and SPH thickness in all wells. Sampling activities performed at the Chevron, KMLT, and ConocoPhillips Terminals on March 24 through March 27, 2008, consisted of measuring depth to groundwater and collecting groundwater samples from select wells. Groundwater samples were analyzed for dissolved petroleum hydrocarbon constituents and selected metals. Monitoring and sampling activities are described in the following sections.

Additional monitoring wells were installed in October 2007, December 2007 and January 2008 in the vicinity of the dock area to evaluate the performance of the former 27-inch storm sewer outfall cut-off wall and the 60-inch storm sewer cut-off wall treatment systems and to evaluate groundwater quality in deeper groundwater zones. A separate monitoring event was conducted on January 22, 2008 to obtain baseline data following installation of these wells.

Based upon results of the previous quarterly monitoring activities, several wells are monitored for the presence of SPH on a monthly basis. SPH recovery was performed on a monthly basis for wells containing measurable amounts of SPH between October 2007 and March 2008.

2.1 Hydrogeologic Analysis

Depth-to-groundwater measurements were collected from each monitoring well in December 2007 and March 2008 (see Tables 1A through 1C). In January 2008 depth-to groundwater measurements were collected from wells associated with the WTG Dock Areas only. March 2008 depth-to-groundwater data was misplaced for ConocoPhillips wells B-1, B-2, B-3, B-5, B-6, B-16 and B-17. Site facility maps showing groundwater elevation contours of shallow wells and SPH thicknesses measured in wells in December 2007 March 2008 are presented as Figure 2 (Fourth Quarter 2007) and Figure 3 (First Quarter 2008). Figure 4 shows the groundwater elevation contours and SPH thicknesses measured in wells located northeast of Front Avenue (Dock Area wells) from March 2008. March 2008 depth-to-groundwater data was misplaced for ConocoPhillips wells B-1, B-2, B-3, B-5, B-6 B-16 and B-17. The depths to groundwater data for these wells were then collected on April 16, 2008 and are included to generate the groundwater elevation contours for Figure 3 and Figure 4. In future quarterly events depth-to-groundwater measurements will be collected from recovery wells RW-1 through RW-6 at the 60-inch storm sewer cut-off wall and wells EW-1 through EW-4 at the former 27-inch storm sewer outfall cut-off wall to evaluate the cut-off walls effectiveness.

During the fourth quarter 2007 and first quarter 2008, groundwater elevations across the facility ranged from approximately 8.45 feet to 34.22 feet above mean sea level. Groundwater flow direction is generally northeasterly, toward the Willamette River. Table 2 summarizes the well construction and screen interval for Dock Area wells.

2.2 Willamette River

The daily mean Willamette River stage, measured at the Morrison Bridge river gauge and converted to the City of Portland (COP) datum during the fourth quarter 2007 and first quarter of 2008 ranged from a high of 12.42 feet (COP datum) on December 5, 2007 to a low of 4.30 feet (COP datum) on November 4, 2007. The average river stage elevation was approximately 7.56 feet (COP datum) between October 1, 2007 and March 31, 2008. Precipitation and river stage data are presented on Figure 5.

2.3 Groundwater Analytical Results

Groundwater samples were collected from selected Chevron, KMLT, and ConocoPhillips monitoring wells on March 24 through 26, 2008, and analyzed in accordance with consent order WMCSR-NWR-94-06, the revised sampling agreement (May 11, 2001), and the 2006 Groundwater Monitoring Sampling and Analysis Plan Addendum (September 22, 2006). The list of analytes included benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE) using Environmental Protection Agency (EPA) Method 8260B, polynuclear aromatic hydrocarbons (PAHs) using EPA Method 8270M-SIM, and total RCRA metals (arsenic, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc) using EPA Method 6000/7000 Series Methods. Wells located in the vicinity of the dock area were additionally analyzed for total petroleum hydrocarbons (TPH) in the gasoline range (TPH-G) using Northwest Method NWTPH-Gx, diesel range (TPH-D), and heavy oil range (TPH-O) using Northwest Method NWTPH-Dx with silica gel cleanup. Groundwater samples were not collected from wells containing observable sheens or measurable quantities of SPH. Analytical results are presented in Tables 3 through 5. Groundwater sampling procedures are presented in Appendix A.

All groundwater samples were analyzed using lower level reporting limits consistent with the EPA's 2004 National Recommended Water Quality Criteria (NRWQC) screening levels to provide usable comparison data for evaluating groundwater source control, including selected wells not addressed by the cut-off walls located at the Chevron and ConocoPhillips facilities.

Portland Harbor Joint Source Control Screening Level Comparisons of Select Wells

Groundwater analytical results from the shallow aquifer and deeper well sets were compared to the screening level values (SLVs) presented in Table 3-1 of the *Portland Harbor Joint Source Control Strategy (PHJSCS)* guidance document, dated December 2005. Chevron wells B-10, CR-1, CR-28A, CR-29A, CR-30A, CR-31A, CR-32A and CR-33, Kinder Morgan wells MW-33, MW-34, MW-36, MW-37, and MW-40, and ConocoPhillips wells B-40, P-1A, U-5, U-22A, U-23, U-24A, and U-25 through U-28 represent the shallow Dock Area wells (completed in sand fill unit). Chevron wells CR-

28B, CR-29B, CR-30B, CR-31B, and CR-32B, Kinder Morgan wells MW-41B, and MW42B, and ConocoPhillips wells U-29B represent wells completed in the silt unit. Chevron wells CR-27C, CR-28C and CR-32C, Kinder Morgan wells MW-41C, and MW42C, and ConocoPhillips well U29C represent the groundwater at the contact of the silt unit and the Columbia River Basalt Group (deep wells). Where applicable, analytical results were compared to the EPA's 2004 NRWQC (organism only) SLVs for human health (fish consumption) and SLVs for ecological receptors (chronic); the DEQ's 2004 AWQC (organism only) SLVs and SLVs for Human Health and ecological receptors (chronic); maximum contaminant levels (MCLs) for drinking water, established under the Safe Drinking Water Act.

Portland Harbor Joint Source Control (PHJSC) groundwater screening level comparisons of TPH, BTEX, MTBE, and total metals detected in shallow Dock Area wells are presented in Table 6. PHJSC groundwater screening level comparisons of PAHs detected in shallow Dock Area wells are presented in Table 7. Clustered well sets (shallow, intermediate and deep) screening level comparisons of TPH, VOCs, and total metals are presented in Table 8 and PAHs are presented in Table 9. Laboratory analytical reports and chain-of-custody documentation are included in Appendix A.

Evaluation of the groundwater data collected from the selected wells from the March 2008 sampling event identifies Chevron well B-10, B-11, B-19, B-26, B-33, CR-26, CR-27C, CR28A, CR-28B, CR-28C, CR-29A CR-30A, CR-31A, CR-32A and CR-32C, Kinder Morgan well MW-37, and ConocoPhillips wells B-40, U-22A U-23 and U-29B monitoring points which exceed PHJSCS screening levels for PAHs in groundwater. All source control evaluation monitoring wells exceeded one or more metals screening levels. None of the source control monitoring wells exceeded the BTEX and MTBE screening levels with the exception of B-11, B-26 and CR-28A.

2.4 Separate Phase Hydrocarbon Occurrence

Based upon the results of the previous quarterly monitoring activities, appropriate wells were monitored for the presence of SPH on a monthly basis. SPH recovery was performed monthly on wells containing measurable amounts of SPH between October 2007 and March 2008. The detected SPH thicknesses measured during the December 2007 and March 2008 monitoring events are included in Table 1A to 1D. Observable

sheens and SPH thicknesses measured during the December 2007 and March 2008 monitoring event are presented in Figure 2 and Figure 3 respectively.

Chevron

Arcadis conducted quarterly groundwater monitoring in December 2007 in conjunction with monthly SPH monitoring. Chevron wells B-14, B-20, B-24, B-30, CR-6, CR-10, CR-15, CR-16, CR-19, CR-25, GPW-2, GPW-3, and GPW-4 contained measurable SPH in December 2007. The observed SPH thickness ranged from 0.02 feet in multiple wells, to 1.03 feet in CR-19. Well CR-21A historically contains measurable SPH, but was inaccessible during the groundwater monitoring event. Additionally, wells B-7, B-9A, B-10, B-33, and GPW-1 contained trace SPH. SPH was manually recovered from wells CR-10, CR-15, CR-21A, and CR-25 in October and November 2007, and January and March, 2008. SPH occurrences during the December 2007 event were consistent with historical measurements.

During quarterly groundwater monitoring in March 2008, eleven Chevron wells (B-24, B-30, CR-10, CR-12, CR-15, CR-19, CR-21A, CR-25, and GPW-2 through GPW-4) contained measurable thicknesses of SPH, ranging from 0.01 foot in wells B-30, CR-12, and GPW-3 to 0.47 foot in well GPW-2. Additionally, trace SPH was observed in wells CR-7, CR-8, and CR-16. SPH thicknesses were consistent with historical measurements with the exception of wells CR-12 and CR-8. Neither well had displayed the presence of SPH in the past.

KMLT

During quarterly groundwater monitoring in December 2007, two KMLT wells (MW-7 and MW-28) contained measurable SPH thicknesses of 0.14 foot and 0.01 foot, respectively. Additionally, a sheen was observed in well MW-23. SPH was observed in well MW-24; however, a thickness could not be measured due to fouling of the oil/water interface probe by highly viscous SPH in the well.

During quarterly groundwater monitoring in March 2008, two KMLT wells (MW-6 and MW-7) contained measurable SPH thicknesses of 0.01 foot and 0.05 foot, respectively. SPH was observed in Well MW-24; however, a thickness could not be measured due to fouling of the oil/water interface probe by highly viscous SPH. Additionally, measurable SPH (0.02 foot) was observed in well MW-28 during a separate gauging event conducted in January.

ConocoPhillips

During quarterly groundwater monitoring in December 2007, three ConocoPhillips wells (B-5, B-40, and U-13) contained measurable thicknesses of SPH, ranging from 0.03 foot in well B-5 to 0.11 foot in well U-13).

During quarterly groundwater monitoring in March 2008, four ConocoPhillips wells (RW-5, U-4, U-5A, U-13 and U-29A) contained measurable thicknesses of SPH, ranging from 0.05 foot in wells U-4 and U-13 to 0.15 foot in well U-29A). Additionally, a sheen was observed in well U-5.

3.0 SEPARATE PHASE HYDROCARBON RECOVERY

Monthly manual recovery of SPH was initiated at the Willbridge Facility in February 1997. SPH recovery is performed in each well where measurable SPH is observed during the previous quarterly gauging event. Manual SPH recovery consists of bailing, pumping, or the use of a sorbent sock installed in the well.

Approximately 183 gallons of SPH have been removed to date by the above-referenced manual recovery methods. Recovered SPH volumes for this reporting period (October 2007 to March 2008) totaled approximately 5 gallons.

In November and December 2001, a "U"-shaped cut-off wall encompassing the stormwater trench backfill was installed on the ConocoPhillips Terminal. The cut-off wall was designed to intercept SPH and groundwater migrating along the backfill of a 60-inch diameter storm sewer trench. The cut-off wall was constructed with 20-foot-long steel sheet-pile with sealed joints between the sheet-piles. A groundwater and SPH recovery system is used to extract groundwater and SPH from a series of wells (RW-1 through RW-5) located behind the cut-off wall.

In addition to the monthly SPH recovery events, SPH recovery has also been conducted near the outfall of the 60-inch storm sewer outfall. Since December of 2001, SPH recovery is performed using permanent recovery wells (RW-1 through RW-5) installed behind the cut-off wall. Approximately 4,385 gallons of SPH have been recovered to date from the backfill material around the storm sewer outfall. During the fourth quarter of 2007 and first quarter of 2008, the treatment system continued to recover SPH. During this reporting period, the recovered SPH reached capacity in the batch tank and was transported from the site to Oil-Re-Refining in Portland, Oregon for recycling.

Containment booms currently border the shoreline between the Chevron and ConocoPhillips docks, and from the south edge of the ConocoPhillips dock to the southern property line (beyond the current 60-inch storm sewer outfall). Secondary and tertiary containment booms are located inside of the primary boom around the 60-inch storm sewer outfall.

A groundwater recovery system had been installed in the 1988 trench at the mouth of the Holbrook slough and periodically operated since July 2004. The system included a

total fluids double diaphragm pump with a float control system set to maintain a depressed water level in the recovery sump and trench. Since July 30, 2004, 2,515,105 gallons of water had been recovered and treated at the water treatment system at the Chevron terminal. The system had been in operation during periods of low river levels. The system was decommissioned during the third quarter of 2006 and replaced by a sheet pile cut-off wall.

A sheet pile cut-off wall at the former 27-inch storm sewer outfall was installed during the third quarter of 2006. This wall replaced the Holbrook Slough recovery sump and trench. The design consists of a near linear, 200-foot-length sheet-pile wall along the shoreline in the area between the Chevron and ConocoPhillips docks. Similar to the existing cut-off wall around the 60-inch storm sewer outfall, extraction wells were installed behind the wall to remove impacted groundwater and recovery SPH.

The former 27-inch storm sewer outfall cut-off wall treatment system began operation in January 2007. The existing treatment system for the 60-inch storm sewer cut-off wall is used to separate recovered SPH and treat impacted groundwater from the former 27-inch storm sewer area.

4.0 ISSUES ENCOUNTERED DURING THE FOURTH QUARTER OF 2007 AND FIRST QUARTER OF 2008

During the fourth quarter of 2007, ConocoPhillips completed the repair of the storm sewer system laterals form the Tank Farms to the Doane Avenue storm sewer system. Periodic sheen was observed at the 60-inch storm sewer outfall (City of Portland outfall 22). The source of the sheen was determined to be groundwater and SPH infiltrating the 60-inch storm sewer piping joints. ConocoPhillips and Chevron are in the process of permitting and planning the lining of the 60-inch storm sewer pipe to mitigate the infiltration. Chevron and ConocoPhillips initiated a sheen response program, implemented upon notification of sheen at City of Portland outfall 22. The purpose of this program is to promptly identify and respond to releases of sheen.

Inspection of Chevron well CR-4, in March 2008 indicated that the casing had a leak and that the well's use was compromised. Well CR-4 was removed from the monitoring program. Chevron is preparing the specifications to replace the well.

5.0 ACTIVITIES SCHEDULED FOR THE SECOND AND THIRD QUARTER OF 2008 (APRIL THROUGH SEPTEMBER 2008)

The following tasks are planned for the second and third quarter of 2008:

- Measure depth to water and SPH in all Willbridge Facility wells during the second quarter (June 2008) and third quarter (September 2008) monitoring events.
- Sample wells (June 2008) associated with the cut-off wall performance monitoring plan and deep aquifer characterization plan.
- Sample selected Willbridge Facility wells during the September (third quarter) 2008 sampling event.
- Perform monthly SPH recovery from wells that have historically contained SPH.
- Continue operation of the 60-inch storm sewer outfall cut-off wall and the former 27-inch storm sewer outfall cut-off wall treatment system.
- Evaluation of the Pre-1973 sump at the Chevron Terminal
- Permit and line City of Portland 60 inch storm sewer pipe at outfall 22.
- Clean catch basins and collect storm water samples at ConocoPhillips Terminal

6.0 REMARKS

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

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APPENDIX A

GROUNDWATER MONITORING AND SAMPLING PROCEDURES, CERTIFIED ANALYTICAL LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

(CD ONLY)

Groundwater Monitoring and Sampling

Before the sampling event, Delta measured depth to water in each groundwater monitoring well at the facility with a Solinst Electronic Oil/Water Interface Probe. This information was recorded on waterproof field sheets. Groundwater elevations (GWE) were measured to an accuracy of 0.01 feet. Wells were sampled after purging three casing volumes of water from the well (or until dry). Wells with observable amounts of SPH were not sampled. After the well had recharged to approximately 80% of static level, samples were collected using a disposable polyethylene bailer and placed in the appropriate laboratory-provided containers. Samples were labeled, placed into ice filled coolers, logged onto chain-of-custody forms and transported to the laboratory.