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ENVIRONMENTAL
CHEMICAL GROUP
WESTERN REGION

WA 2917
68
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Recycling Solutions for Every Environment

February 23, 1996

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Mr. Galen Tritt
WA Department of Ecology - NWRO
3190 - 160th Avenue SE
Bellevue, WA 98008-5452

Mr. Tritt:

Enclosed is the information specified in the Burlington Environmental Inc. (dba Philip Environmental) "Philip" November 15, 1995 letter to Ecology regarding the installation of replacement groundwater monitoring wells CP-205A and CP-205B at the Pier 91 facility in Seattle. Included are the well logs, slug test results, well abandonment logs, survey data, and chemical data. Well abandonment, installation, and development were completed as specified in the November 15, 1995 letter.

Please contact me at (206) 227-6121 if you have any questions or require further information.

Respectfully,

John Stiller
Project Coordinator

cc: Mr. David Domingo - USEPA X

USEPA RCRA
3012592

955 Powell Avenue SW • Renton, Washington 98055
206/227-0311 • Fax: 206/227-6179

Pacific Northern Geoscience

BORING NUMBER **CP205-A** SHEET **1** OF **1**

PROJECT **PIER 91 WELL REPLACEMENT**

LOCATION **Seattle, Washington**

PROJECT NUMBER **95-33258-01**

COORDINATES **N 235,736.0 E 1,618,605.0**

SURFACE ELEVATION **5.50** DATUM **Seattle**

LOGGED BY **CVG**

SAMPLE INFORMATION						STRATA	DESCRIPTION	BOREHOLE/WELL CONSTRUCTION DETAIL	ELEVATION FEET
Depth Feet	Lab Sample	Samp. No.	Blow Counts	Rec. %	PID ppm				
							asphalt		5
								Flush Mount Monument/Concrete Surface Seal	
		1	20 25 26	100			SAND (sp); grey to green, fine- to very fine-grained, shell fragments, trace fine gravel; damp, no odor	Bentonite Chips (1 bag)	
								2" ID PVC Riser from 0-4'	
		2	13 14 15	100			as above; wet at 5.0', no odor		
5									0
		3	10 15 16	100			SAND; black, fine- to medium-gravel; loose, wet, no odor	10/20 Colorado Sand (3 bags)	
		4	18 21 24	100			GRAVELLY SAND (swg); grey, medium- to very coarse-grained, gravel to 1/2"; loose, wet, no odor		
								2" ID .010" Slot PVC Screen from 4-14'	
		5	18 20 25	100			GRAVELLY SAND; grey, medium- to very coarse-grained, gravel 1/2"; wet, loose, moderate petroleum odor, sheen test positive		
10		6	19 20 21	100			SANDY GRAVEL (gw); gray-black, gravel to 1", sand matrix very coarse; loose, wet, faint petroleum odor		-5
		7	18 19 20	100			GRAVELLY SAND (swg); gray-black, medium- to coarse-grained, gravel to 1"; loose, wet, faint H2S odor		
		8	12 12 13	100			as above		
							SILTY SAND (sm); gray, very silty, abundant wood debris and shell fragments; firm, moist to wet, no odor	2" ID PVC Tail Pipe from 14-14.25'	
							EOB at 14.5 feet.		

DRILLING CONTRACTOR **Cascade Drilling**

DRILLING METHOD **4 1/4" HSA**

SAMPLING EQUIPMENT **Split Spoon**

DRILLING STARTED **11/20/95** ENDED **11/20/95**

REMARKS

WLLNEW PNO 1/15/96

Pacific Northern Geoscience

BORING NUMBER **CP205-B** SHEET **1** OF **2**

PROJECT **PIER 91 WELL REPLACEMENT**

LOCATION **Seattle, Washington**

PROJECT NUMBER **95-33258-01**

LOGGED BY **WVG**

COORDINATES **N 235,740.0 E 1,618,603.0**

SURFACE ELEVATION **5.53** DATUM **Seattle**

SAMPLE INFORMATION						STRATA	DESCRIPTION	BOREHOLE/WELL CONSTRUCTION DETAIL	ELEVATION FEET
Depth Feet	Lab Sample	Samp. No.	Blow Counts	Rec. %	PID ppm				
							asphalt	Flush Mount Mounument/Concrete Surface Seal	5
		1	14 16 17	100			SAND (sp); gray to green, fine- to very fine-grained, shell fragments; loose, damp, no odor	9" ID Mild Steel Casing Grouted in place with 10% Bentonite Cement Grout from 0-16.9' (85 Gallons Total)	
5		2	18 25 27	100			as above; trace gravel, saturated at 5.5'		0
		3	18 25 26	100			GRAVELLY SAND (swg); gray-black, medium- to coarse-grained, gravel to 3/4"; loose, wet, slight petroleum odor		
10		4	15 19 20	100			as above; gravel to 1"; wet, no odor		-5
		5	14 15 16	100			as above; slightly silty, gravel to 1/2"; wet, no odor		
15		6	12 14 16	100			as above; gray to black, fining down to very silty sand with gravel at 16'		-10
							SILTY SAND (sm); gray-black, very silty, trace gravel; firm, wet	Medium Bentonite Chips (11 bags)	
		7	12 14 16	100			SILTY SAND (sm); gray, medium- to very fine-grained, slightly to moderately silty; slightly firm, wet	2" ID Schedule 40 PVC Riser from 0-34.5'	
20		8	10 12 13	100			as above; abundant shell fragments; wet, no odor		-15
							GRAVELLY SAND (swg); gray-black, slightly silty; wet, no odor		
		9	25 30 33	100			SANDY GRAVEL (gw); gray to black, gravel to 3", sand fine to very coarse grained; loose, wet, no odor		
25		10	30 32 35	100			as above		-20
		11	18 20 23	100			SANDY SILT (ml); gray-green, moderately plastic; firm, moist to wet, no odor		
		12	18 30 35	100			SILTY SAND (sm); gray-green, wood fragments; firm, moist to wet		

DRILLING CONTRACTOR **Cascade**

DRILLING METHOD **10.25" & 4.25"ID HSA**

SAMPLING EQUIPMENT **Split Spoon**

DRILLING STARTED **11/20/95** ENDED **11/21/95**

REMARKS **Drilling Sequence - Drilled to 26.5' w/ 4 1/4" HSA's. Opened hole to 16.5' w/ 10 1/4" HSA's. Grouted 9" casing at 16.5' and let set for 24 hours. Cleaned out casing and drilled to 44.5' w/ 4 1/4" HSA's**

BIGWELL PNO 1/15/96

Pacific Northern Geoscience

BORING NUMBER **CP205-B** SHEET **2** OF **2**

PROJECT **PIER 91 WELL REPLACEMENT**

LOCATION **Seattle, Washington**

PROJECT NUMBER **95-33258-01**

COORDINATES **N 235,740.0 E 1,618,603.0**

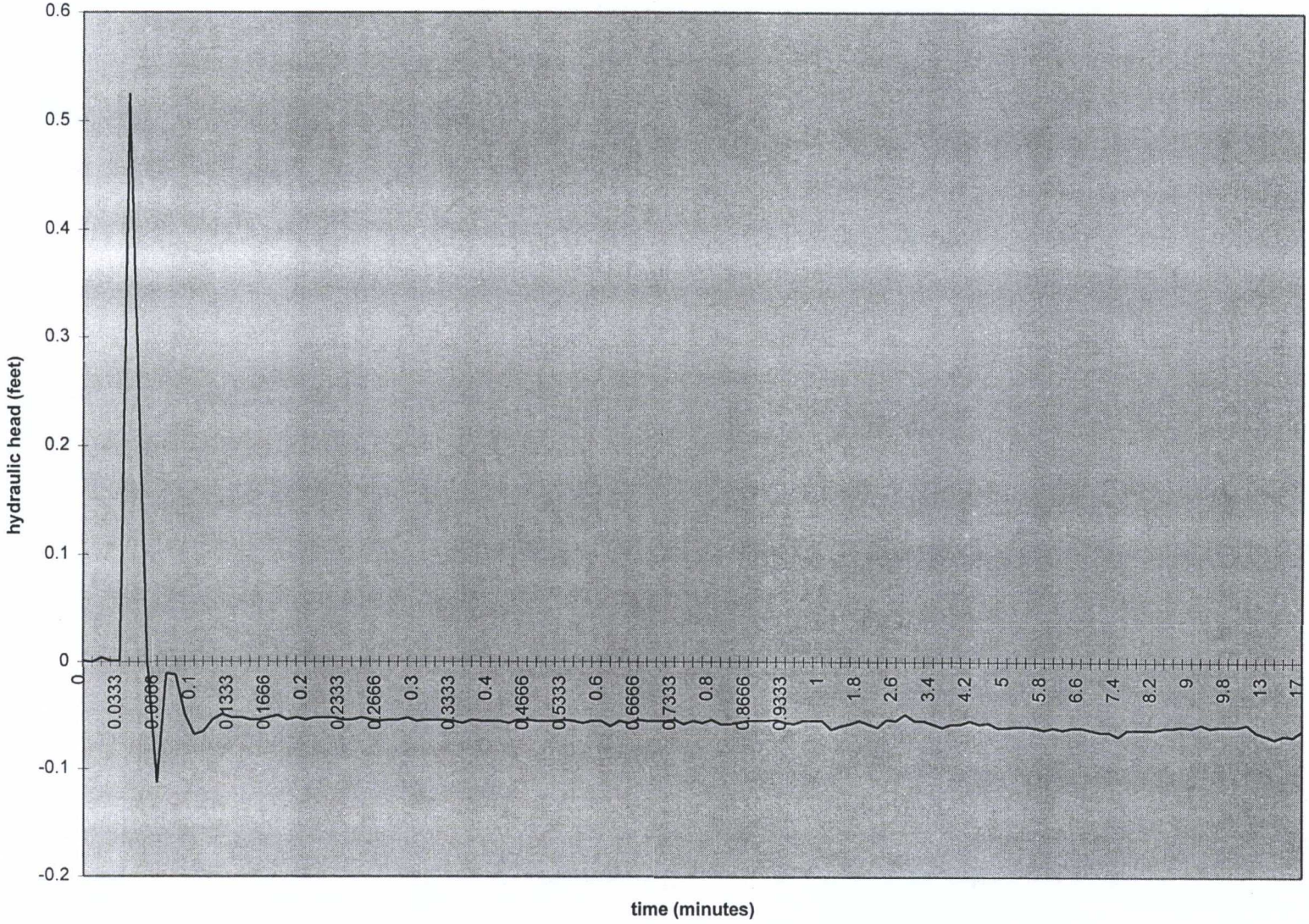
SURFACE ELEVATION **5.53** DATUM **Seattle**

LOGGED BY **WVG**

SAMPLE INFORMATION						STRATA	DESCRIPTION	BOREHOLE/WELL CONSTRUCTION DETAIL	ELEVATION FEET
Depth Feet	Lab Sample	Samp. No.	Blow Counts	Rec. %	PID ppm				
		13	32 33	100			SILTY SAND (sm); gray, fine- to medium-grained, abundant wood fragments and shells; loose to slightly firm, wet, H2S odor		-25
		14	36 38 40	100				10/20 Colorado Sand (3.5 bags)	
		15	45 32 40	100			as above; thin silt-rich horizons; H2S odor		
		16	41 40	100			as above; fine- to very-fine grained; H2S odor		
35		17	42 47 20	100			as above		-30
		18	28 35 22	100			as above	2" ID .010" Slot PVC Screen from 34.5-44.5'	
		19	27 33 18	100			as above		
40		20	20 22 21	100			as above		-35
		21	21 24	100			as above; gray-green, fine grained, very silty; firm, wet, H2S odor		
		22	16 18 24	100			SILTY SAND (sm-ml); gray-green, very silty, with thin silt horizons to 1/2", wood fragments; firm (silt layers moderately plastic), moist to wet		
							EOB at 44.75 feet.	2" ID PVC Tail Pipe from 44.5-44.75'	

BIGWELL PNO 1/15/96

Pier 91 Slugtest Data
CP-205A Rising Head

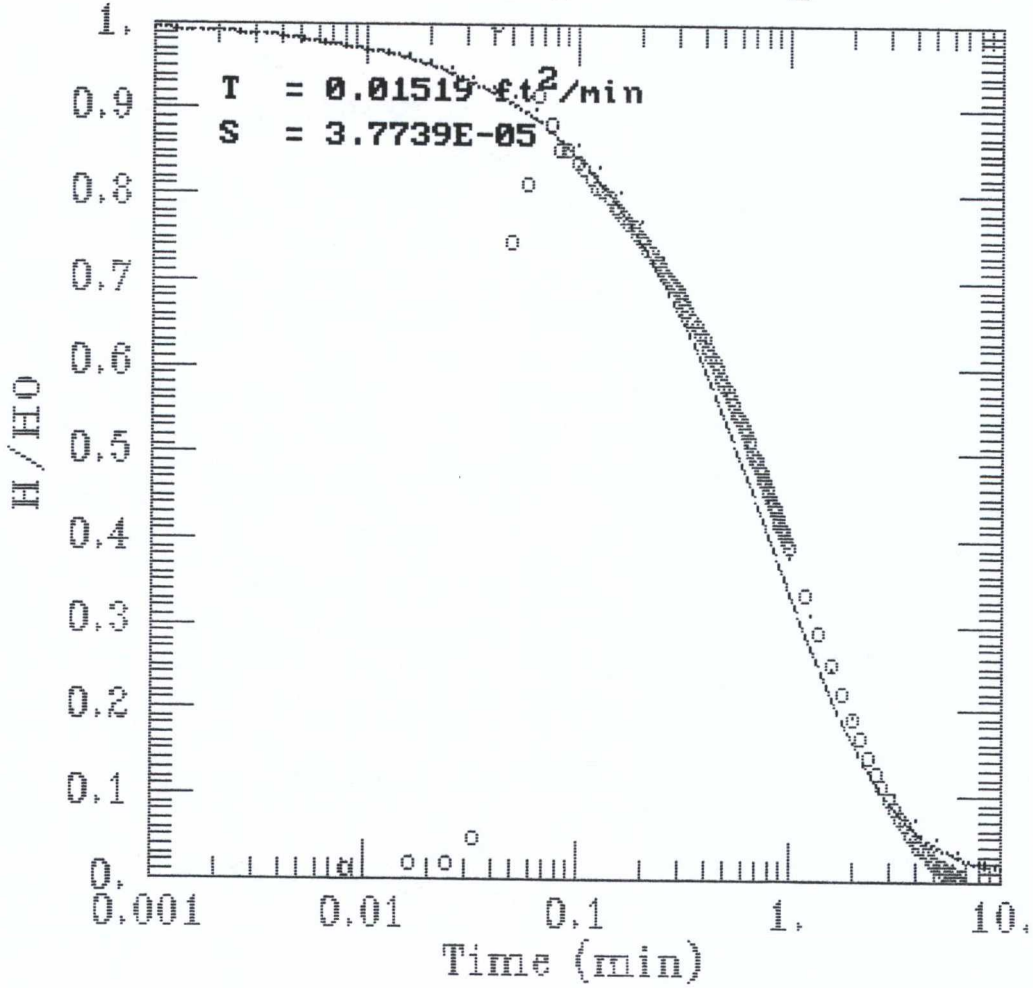


time	feet
0	0.001
0.0083	0
0.0166	0.004
0.025	0.001
0.0333	0.001
0.0416	0.525
0.05	0.249
0.0583	-0.006
0.0666	-0.112
0.075	-0.011
0.0833	-0.012
0.0916	-0.049
0.1	-0.068
0.1083	-0.065
0.1166	-0.054
0.125	-0.049
0.1333	-0.052
0.1416	-0.052
0.15	-0.054
0.1583	-0.054
0.1666	-0.052
0.175	-0.05
0.1833	-0.054
0.1916	-0.052
0.2	-0.054
0.2083	-0.052
0.2166	-0.052
0.225	-0.052
0.2333	-0.054
0.2416	-0.054
0.25	-0.052
0.2583	-0.054
0.2666	-0.055
0.275	-0.054
0.2833	-0.054
0.2916	-0.052
0.3	-0.055
0.3083	-0.054
0.3166	-0.054
0.325	-0.054
0.3333	-0.055
0.35	-0.057
0.3666	-0.054
0.3833	-0.055
0.4	-0.055
0.4166	-0.055
0.4333	-0.057
0.45	-0.054

0.4666	-0.054
0.4833	-0.055
0.5	-0.055
0.5166	-0.055
0.5333	-0.054
0.55	-0.055
0.5666	-0.057
0.5833	-0.055
0.6	-0.055
0.6166	-0.06
0.6333	-0.055
0.65	-0.057
0.6666	-0.054
0.6833	-0.055
0.7	-0.055
0.7166	-0.055
0.7333	-0.054
0.75	-0.058
0.7666	-0.055
0.7833	-0.057
0.8	-0.054
0.8166	-0.058
0.8333	-0.058
0.85	-0.057
0.8666	-0.055
0.8833	-0.055
0.9	-0.055
0.9166	-0.054
0.9333	-0.057
0.95	-0.058
0.9666	-0.055
0.9833	-0.055
1	-0.055
1.2	-0.063
1.4	-0.06
1.6	-0.058
1.8	-0.055
2	-0.058
2.2	-0.061
2.4	-0.054
2.6	-0.055
2.8	-0.049
3	-0.055
3.2	-0.055
3.4	-0.058
3.6	-0.061
3.8	-0.058
4	-0.058
4.2	-0.055

4.4	-0.058
4.6	-0.057
4.8	-0.061
5	-0.061
5.2	-0.06
5.4	-0.06
5.6	-0.061
5.8	-0.063
6	-0.061
6.2	-0.063
6.4	-0.061
6.6	-0.061
6.8	-0.063
7	-0.065
7.2	-0.065
7.4	-0.069
7.6	-0.063
7.8	-0.063
8	-0.063
8.2	-0.063
8.4	-0.061
8.6	-0.061
8.8	-0.06
9	-0.061
9.2	-0.058
9.4	-0.061
9.6	-0.06
9.8	-0.06
10	-0.06
11	-0.058
12	-0.065
13	-0.068
14	-0.071
15	-0.068
16	-0.069
17	-0.063

CP-205B Rising Head Slug Test



<<

5.012E-001	6.505E-001	5.623E-001	6.112E-001	6.310E-001	5.710E-001
7.079E-001	5.304E-001	7.943E-001	4.895E-001	8.913E-001	4.487E-001
1.000E+000	4.083E-001	1.122E+000	3.689E-001	1.259E+000	3.306E-001
1.413E+000	2.940E-001	1.585E+000	2.593E-001	1.778E+000	2.269E-001
1.995E+000	1.969E-001	2.239E+000	1.697E-001	2.512E+000	1.452E-001
2.818E+000	1.235E-001	3.162E+000	1.046E-001	3.548E+000	8.824E-002
3.981E+000	7.430E-002	4.467E+000	6.253E-002	5.012E+000	5.269E-002
5.623E+000	4.451E-002	6.310E+000	3.773E-002	7.079E+000	3.213E-002
7.943E+000	2.748E-002	8.913E+000	2.362E-002	1.000E+001	2.038E-002

<<

0.1416	1.007	1.0374	-0.030435	1
0.15	0.996	1.0276	-0.031634	1
0.1583	0.991	1.0181	-0.027133	1
0.1666	0.981	1.0088	-0.027804	1
0.175	0.97	0.99953	-0.029531	1
0.1833	0.967	0.99053	-0.023528	1
0.1916	0.958	0.98167	-0.023675	1
0.2	0.948	0.97286	-0.024863	1
0.2083	0.943	0.9643	-0.021297	1
0.2166	0.934	0.95587	-0.021865	1
0.225	0.927	0.94746	-0.020464	1
0.2333	0.919	0.93929	-0.02029	1
0.2416	0.913	0.93124	-0.018236	1
0.25	0.908	0.92321	-0.015206	1
0.2583	0.899	0.91539	-0.016386	1
0.2666	0.892	0.90768	-0.015676	1
0.275	0.886	0.89998	-0.013983	1
0.2833	0.88	0.89249	-0.012487	1
0.2916	0.875	0.88509	-0.010093	1
0.3	0.869	0.87771	-0.0087101	1
0.3083	0.862	0.87051	-0.0085124	1
0.3166	0.853	0.86341	-0.010409	1
0.325	0.85	0.85631	-0.0063133	1
0.3333	0.842	0.84939	-0.0073924	1
0.35	0.83	0.83573	-0.0057304	1
0.3666	0.819	0.82249	-0.0034858	1
0.3833	0.81	0.80948	0.00051534	1
0.4	0.8	0.79679	0.0032058	1
0.4166	0.784	0.78448	-0.00047542	1
0.4333	0.776	0.77237	0.0036317	1
0.45	0.767	0.76054	0.0064629	1
0.4666	0.757	0.74904	0.0079597	1
0.4833	0.743	0.73773	0.0052701	1
0.5	0.732	0.72667	0.0053329	1
0.5166	0.724	0.71591	0.0080924	1
0.5333	0.716	0.70531	0.010686	1
0.55	0.705	0.69494	0.010056	1
0.5666	0.692	0.68485	0.0071489	1
0.5833	0.688	0.67491	0.013093	1
0.6	0.68	0.66517	0.014834	1
0.6166	0.67	0.65568	0.01432	1
0.6333	0.662	0.64633	0.015673	1
0.65	0.651	0.63716	0.013839	1
0.6666	0.646	0.62823	0.017771	1
0.6833	0.635	0.61942	0.015581	1
0.7	0.626	0.61078	0.01522	1
0.7166	0.622	0.60236	0.019643	1
0.7333	0.611	0.59405	0.016955	1
0.75	0.605	0.58589	0.019109	1
0.7666	0.595	0.57794	0.017062	1
0.7833	0.591	0.57009	0.020914	1
0.8	0.581	0.56238	0.01862	1
0.8166	0.575	0.55486	0.020139	1
0.8333	0.567	0.54744	0.019565	1
0.85	0.559	0.54014	0.018856	1
0.8666	0.552	0.53303	0.018972	1
0.8833	0.546	0.526	0.020003	1
0.9	0.537	0.51909	0.017908	1
0.9166	0.53	0.51235	0.017651	1
0.9333	0.524	0.50569	0.018314	1
0.95	0.518	0.49914	0.018861	1
0.9666	0.513	0.49275	0.020255	1
0.9833	0.505	0.48642	0.018576	1
1	0.498	0.48021	0.017787	1

1.6	0.319	0.31318	0.0058159	1
1.8	0.278	0.27515	0.002845	1
2	0.241	0.24313	-0.0021318	1
2.2	0.211	0.216	-0.0049965	1
2.4	0.185	0.19287	-0.0078714	1
2.6	0.158	0.17306	-0.015059	1
2.8	0.138	0.156	-0.018002	1
3	0.122	0.14125	-0.019248	1
3.2	0.106	0.12843	-0.022429	1
3.4	0.093	0.11725	-0.024246	1
3.6	0.081	0.10745	-0.026449	1
3.8	0.069	0.098835	-0.029835	1
4	0.058	0.091231	-0.033231	1
4.2	0.052	0.084496	-0.032496	1
4.4	0.047	0.078509	-0.031509	1
4.6	0.039	0.07317	-0.03417	1
4.8	0.033	0.068392	-0.035392	1
5	0.025	0.064104	-0.039104	1
5.2	0.023	0.060243	-0.037243	1
5.4	0.019	0.056756	-0.037756	1
5.6	0.014	0.053599	-0.039599	1
5.8	0.009	0.050731	-0.041731	1
6	0.011	0.04812	-0.03712	1
6.2	0.004	0.045736	-0.041736	1
6.4	0.004	0.043554	-0.039554	1
6.6	0.006	0.041551	-0.035551	1

==========

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

		Estimate
T	=	1.3154E-002
S	=	3.7739E-005

<<

3.548E-001	7.895E-001	3.981E-001	7.538E-001	4.467E-001	7.164E-001
5.012E-001	6.776E-001	5.623E-001	6.375E-001	6.310E-001	5.964E-001
7.079E-001	5.544E-001	7.943E-001	5.121E-001	8.913E-001	4.696E-001
1.000E+000	4.274E-001	1.122E+000	3.859E-001	1.259E+000	3.456E-001
1.413E+000	3.068E-001	1.585E+000	2.700E-001	1.778E+000	2.354E-001
1.995E+000	2.035E-001	2.239E+000	1.744E-001	2.512E+000	1.483E-001
2.818E+000	1.252E-001	3.162E+000	1.051E-001	3.548E+000	8.785E-002
3.981E+000	7.324E-002	4.467E+000	6.102E-002	5.012E+000	5.090E-002
5.623E+000	4.259E-002	6.310E+000	3.		

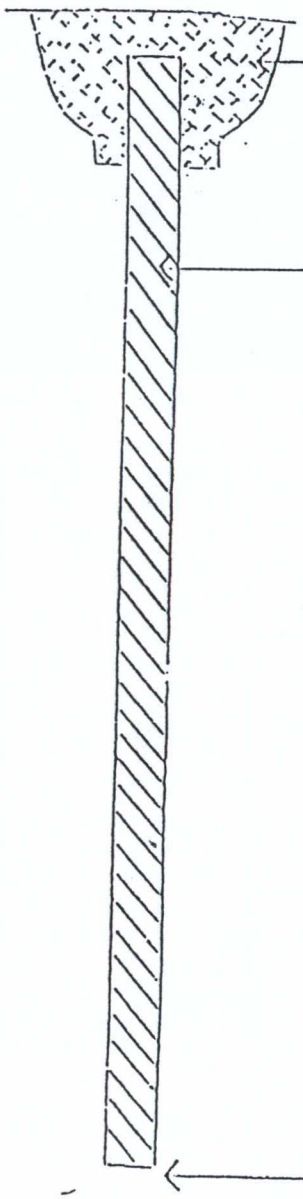
RESOURCE PROTECTION WELL REPORT

START CARD NO. A12282

PROJECT NAME: PORT OF SEATTLE
WELL IDENTIFICATION NO. n/a
DRILLING METHOD: HSA
DRILLER: Michael Colbert
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: PHILIP ENVIRONMENTAL
REPRESENTATIVE: ANDY MALOY

COUNTY: KING
LOCATION: SE¼ SE¼ Sec 23 Twn 25N R 3E
STREET ADDRESS OF WELL: TERMINAL 90/91 - W. GALER & ELLIOTT - SEATTLE
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED:
DEVELOPED: N/A.

5460

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	CONCRETE SURFACE SEAL	0 - ft.
	BACKFILL 44' Volclay grout.	- ft.
		- ft.
	DEPTH OF BORING 45 "	

SCALE: 1" = _____

PAGE _____ OF _____

ECY 050-12 (Rev. 11/09)

ABANDONMENT

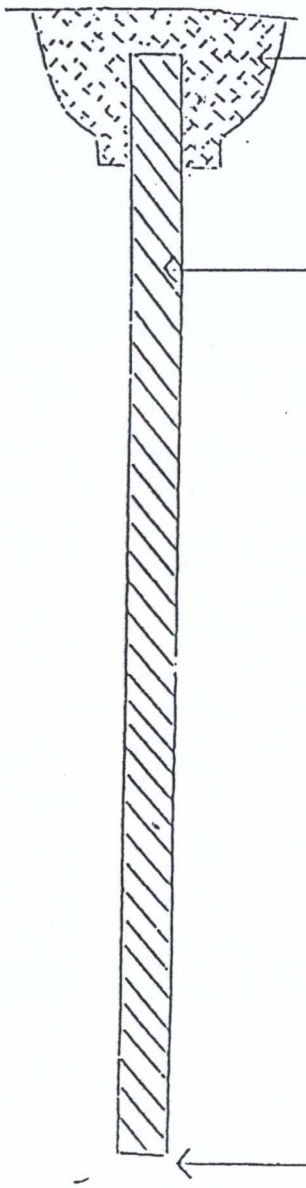
RESOURCE PROTECTION WELL REPORT

START CARD NO. A12282

PROJECT NAME: PORT OF SEATTLE
WELL IDENTIFICATION NO. n/a
DRILLING METHOD: HSA
DRILLER: Michael Colbert
FIRM: Cascade Drilling, Inc.
SIGNATURE: [signature]
CONSULTING FIRM: PHILIP ENVIRONMENTAL
REPRESENTATIVE: ANDY MALOY

COUNTY: KING
LOCATION: SE¼ SE¼ Sec 23 Twn 25N R 3E
STREET ADDRESS OF WELL: TERMINAL 90/91 - W. GALER & ELLIOTT - SEATTLE
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED:
DEVELOPED: N/A

5460

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	CONCRETE SURFACE SEAL	0 - ft.
	BACKFILL Bent. Chips 14'	- ft.
		- ft.
	DEPTH OF BORING 15' "	

SCALE: 1" = _____ PAGE _____ OF _____

ECY 050-12 (Rev. 11/09)

Hugh G. Goldsmith & Associates, Inc.

MAME WINNER
1992 Best Community Land Use Plan
1990 Environmental Award
1990 Best Planned Community
1989 Best Community Land Use Plan
1987 Best Community Land Use Plan

January 11, 1996

Pacific Northern Geo Science
100 North Harrison
Suite 500, North Tower
Seattle, WA 98119

Attention: Mark Chandler

Re: Survey of Monitoring Wells

Dear Mark:

At your direction, Hugh G. Goldsmith & Associates, Inc. personnel have located the well locations for monitor wells ACD-230 and ACD-231. Based on the previous horizontal datum (Washington State Plane Coordinates North Zone -NAD 27) and vertical datum (City of Seattle), the X, Y and Z coordinates for the above mentioned wells are as follows:

	Well Designation	Horizontal Position		Ground Elev. (obtained 1/10/96)	Well Casing Elev. (obtained 1/10/96)	Elev. at top north Allen bolt of dedicated pump (obtained 1/10/96)
CP 205-B	ACD-230	N 235740	E 1618603	5.8	5.83	5.53
CP 205-A	ACD-231	N 235736	E 1618605	5.8	5.85	5.50

Should you have any questions regarding this information, or wish additional survey services, please feel free to call.

Very truly yours,

HUGH G. GOLDSMITH & ASSOCIATES, INC.

Mark A. Mauger

Mark A. Mauger, P.L.S.

1-11-96
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VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number			*75-71-8*	*74-87-3*	*75-01-4*	*74-83-9*	*75-00-3*	*75-69-4*	*306-83-2*
MTCA Method B (ug/kg)			*16,000,000*	*7,690*	*526*	*112*	*10*	*24,000,000*	*NA*
Sample Number	*Sample Date*		*Dichloro-difluoro-methane (ug/kg)*	*Chloro-methane (ug/kg)*	*Vinyl chloride (ug/kg)*	*Bromo-methane (ug/kg)*	*Chloro-ethane (ug/kg)*	*Trichloro-fluoro-methane (ug/kg)*	*1,1-Dichloro-1,2,2-trifluoro-ethane (ug/kg)*
CP-205A	11/20/95	2	<5	<5	<5	<5	<5	<5	<25
CP-205A	11/20/95	6	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<11.1
CP-205A	11/20/95	10	<5	<5	<5	<5	<5	<5	<25
CP-205B	11/20/95	15	<5	<5	<5	<5	<5	<5	<25
CP-205B	11/21/95	28	<3.54	<3.54	<3.54	<3.54	<3.54	<3.54	<17.7

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*75-35-4*	*76-13-1*	*67-64-1*	*75-15-0*	*107-83-5*	*75-09-2*	*96-14-0*	*107-13-1*
MTCA Method B (ug/kg)		*8,000,000*	*2,400,000*	*8,000,000*	*8,000,000*	*NA*	*133,000*	*NA*	*185,000*
Sample Number	*Sample Date*	*1,1-DCE (ug/kg)*	*1,1,2-trichloro-1,2,2-trifluoro-ethane (ug/kg)*	*Acetone (ug/kg)*	*Carbon disulfide (ug/kg)*	*2-Methyl-pentane (ug/kg)*	*Methylene chloride (ug/kg)*	*3-Methyl-pentane (ug/kg)*	*Acrylo-nitrile (ug/kg)*
CP-205A	11/20/95	<5	<25	<25	<5	<25	<25	<25	<25
CP-205A	11/20/95	<2.22	<11.1	<11.1	<2.22	<11.1	<11.1	<11.1	<11.1
CP-205A	11/20/95	<5	<25	<25	<5	<25	<25	<25	<25
CP-205B	11/20/95	<5	<25	<25	<5	<25	<25	<25	<25
CP-205B	11/21/95	<3.54	<17.7	<17.7	6	<17.7	<17.7	<17.7	<17.7

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*156-60-5*	*75-34-3*	*108-05-4*	*96-37-7*	*107-02-8*	*590-20-7*	*156-59-2*	*78-93-3*
MTCA Method B (ug/kg)		*1,600,000*	*8,000,000*	*80,000,000*	*NA*	*PQL = 7*	*NA*	*800,000*	*48,000,000*
Sample Number	*Sample Date*	*trans-1,2-DCE (ug/kg)*	*1,1-DCA (ug/kg)*	*Vinyl acetate (ug/kg)*	*methylcyclo pentane (ug/kg)*	*Acrolein (ug/kg)*	*2,2-Dichloro-propanae (ug/kg)*	*cis-1,2-DCE (ug/kg)*	*2-Butanone (ug/kg)*
CP-205A	11/20/95	<5	<5	<5	<5	<100	<5	<5	<25
CP-205A	11/20/95	<2.22	<2.22	<2.22	<2.22	<44.4	<2.22	<2.22	<11.1
CP-205A	11/20/95	<5	<5	<5	<5	<100	<5	<5	<25
CP-205B	11/20/95	<5	<5	<5	<5	<100	<5	<5	<25
CP-205B	11/21/95	<3.54	<3.54	<3.54	<3.54	<70.8	<3.54	<3.54	<17.7

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*74-97-5*	*67-66-3*	*71-55-6*	*563-58-6*	*56-23-5*	*107-06-2*	*71-43-2*	*79-01-6*
MTCA Method B (ug/kg)		*NA*	*164,000*	*72,000,000*	*NA*	*7,690*	*11,000*	*34,500*	*90,900*
Sample Number	*Sample Date*	*Bromo-chloro-methane (ug/kg)*	*Chloroform (ug/kg)*	*1,1,1-Trichloro-ethane (ug/kg)*	*1,1-Dichloro-propene (ug/kg)*	*Carbon tetra-chloride (ug/kg)*	*1,2-DCA (ug/kg)*	*Benzene (ug/kg)*	*TCE (ug/kg)*
CP-205A	11/20/95	<5	<5	<5	<5	<5	<5	<5	<10
CP-205A	11/20/95	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<4.44
CP-205A	11/20/95	<5	<5	<5	<5	<5	<5	<5	<10
CP-205B	11/20/95	<5	<5	<5	<5	<5	<5	<5	<10
CP-205B	11/21/95	<3.54	<3.54	<3.54	5	<3.54	<3.54	<3.54	<7.08

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*78-87-5*	*74-95-3*	*75-27-4*	*110-75-8*	*10061-01-5*	*108-10-1*	*108-88-3*	*96-18-4*
MTCA Method B (ug/kg)		*14,700*	*800*	*1,600*	*PQL = 10*	*PQL = 5*	*4,000,000*	*16,000,000*	*480,000*
Sample Number	*Sample Date*	*1,2-Dichloro propane (ug/kg)*	*Dibromo methane (ug/kg)*	*Bromo-dichloro methane (ug/kg)*	*2-Chloro-ethyl-vinyl ether (ug/kg)*	*cis-1,3-Dichloro-propene (ug/kg)*	*4-Methyl-2-pentanone (ug/kg)*	*Toluene (ug/kg)*	*1,2,3-Trichloro-propane (ug/kg)*
CP-205A	11/20/95	<5	<5	<5	<5	<5	<25	<10	<5
CP-205A	11/20/95	<2.22	<2.22	<2.22	<2.22	<2.22	<11.1	<4.44	<2.22
CP-205A	11/20/95	<5	<5	<5	<5	<5	<25	<10	<5
CP-205B	11/20/95	<5	<5	<5	<5	<5	<25	<10	<5
CP-205B	11/21/95	<3.54	<3.54	<3.54	<3.54	<3.54	<17.7	<7.08	<3.54

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*10061-02-6*	*79-00-5*	*79-00-5*	*127-18-4*	*591-78-6*	*106-93-4*	*124-48-1*	*630-20-6*
MTCA Method B (ug/kg)		*PQL = 5*	*17,500*	*NA*	*19,600*	*PQL = 50*	*12*	*11,900*	*38,500*
Sample Number	*Sample Date*	*Trans-1,3-Dichloro-propene (ug/kg)*	*1,1,2-Trichloro-ethane (ug/kg)*	*1,3-Dichloro-propane (ug/kg)*	*PCE (ug/kg)*	*2-Hexanone (ug/kg)*	*1,2-Dibromo ethane (ug/kg)*	*Dibromo-chloro methane (ug/kg)*	*1,1,1,2-Tetrachloro ethane (ug/kg)*
CP-205A	11/20/95	<5	<5	<5	<5	<25	<5	<5	<15
CP-205A	11/20/95	<2.22	<2.22	<2.22	-2	<11.1	<2.22	<2.22	<6.66
CP-205A	11/20/95	<5	<5	<5	<5	<25	<5	<5	<15
CP-205B	11/20/95	<5	<5	<5	<5	<25	<5	<5	<15
CP-205B	11/21/95	<3.54	<3.54	<3.54	<3.54	<17.7	<3.54	<3.54	<10.62

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*108-90-7*	*100-41-4*	*108-38-3*	*106-42-3*	*95-47-6*	*100-42-5*	*75-25-2*	*98-82-8*
MTCA Method B (ug/kg)		*1,600,000*	*8,000,000*	*160,000,000*	*160,000,000*	*160,000,000*	*33,300*	*1,270,000*	*NA*
Sample Number	*Sample Date*	*Chloro-benzene (ug/kg)*	*Ethyl-benzene (ug/kg)*	*m-Xylene (ug/kg)*	*p-Xylene (ug/kg)*	*o-Xylene (ug/kg)*	*Styrene (ug/kg)*	*Bromoform (ug/kg)*	*Isopropyl-benzene (ug/kg)*
CP-205A	11/20/95	<5	<5	<5	<5	<5	<5	<5	<5
CP-205A	11/20/95	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22
CP-205A	11/20/95	<5	<5	<5	<5	<5	<5	<5	<5
CP-205B	11/20/95	<5	<5	<5	<5	<5	<5	<5	<5
CP-205B	11/21/95	<3.54	<3.54	<3.54	<3.54	<3.54	<3.54	<3.54	<3.54

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*79-34-5*	*108-86-1*	*103-65-1*	*108-67-8*	*95-49-8*	*106-43-4*	*98-06-6*	*95-63-6*
MTCA Method B (ug/kg)		*5,000*	*NA*	*NA*	*NA*	*1,600,000*	*NA*	*NA*	*NA*
Sample Number	*Sample Date*	*1,1,2,2-tetrachloro-ethane (ug/kg)*	*Bromo-benzene (ug/kg)*	*n-propyl-benzene (ug/kg)*	*1,3,5-Trimethyl-benzene (ug/kg)*	*2-Chloro-toluene (ug/kg)*	*4-Chloro-toluene (ug/kg)*	*tert-Butyl-benzene (ug/kg)*	*1,2,4-Trimethyl benzene (ug/kg)*
CP-205A	11/20/95	<15	<5	<5	<5	<5	<5	<5	<5
CP-205A	11/20/95	<6.66	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22
CP-205A	11/20/95	<15	<5	<5	<5	<5	<5	<5	<5
CP-205B	11/20/95	<15	<5	<5	<5	<5	<5	<5	<5
CP-205B	11/21/95	<10.62	<3.54	<3.54	<3.54	<3.54	<3.54	<3.54	<3.54

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*135-98-8*	*541-73-1*	*106-46-7*	*104-51-8*	*99-87-6*	*95-50-1*	*96-12-8*	*120-82-1*
MTCA Method B (ug/kg)		*NA*	*3*	*41,700*	*NA*	*NA*	*7,200,000*	*NA*	*800,000*
Sample Number	*Sample Date*	*sec-Butyl-benzene (ug/kg)*	*1,3-Dichloro benzene (ug/kg)*	*1,4-Dichloro benzene (ug/kg)*	*n-Butyl-benzene (ug/kg)*	*p-Isopropyl-toluene (ug/kg)*	*1,2-Dichloro benzene (ug/kg)*	*1,2-Dibromo-3-chloro-propane (ug/kg)*	*1,2,4-Trichloro-benzene (ug/kg)*
CP-205A	11/20/95	<5	<5	<5	<5	<5	<5	<25	<5
CP-205A	11/20/95	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<11.1	<2.22
CP-205A	11/20/95	<5	<5	<5	<5	<5	<5	<25	<5
CP-205B	11/20/95	<5	<5	<5	<5	<5	<5	<25	<5
CP-205B	11/21/95	<3.54	<3.54	<3.54	<3.54	<3.54	<3.54	<17.7	<3.54

VOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*87-68-3*	*95-20-3*	*87-61-6*
MTCA Method B (ug/kg)		*12,800*	*320,000*	*NA*
Sample Number	*Sample Date*	*Hexachloro-butadiene (ug/kg)*	*Naphthalene (ug/kg)*	*1,2,3-Trichloro-benzene (ug/kg)*
CP-205A	11/20/95	<5	<25	<5
CP-205A	11/20/95	<2.22	<11.1	<2.22
CP-205A	11/20/95	<5	<25	<5
CP-205B	11/20/95	<5	<25	<5
CP-205B	11/21/95	<3.54	<17.7	<3.54

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number			*62-53-3*	*111-44-4*	*108-95-2*	*95-57-8*	*541-73-1*
MTCA Method B (ug/kg)			*175,000*	*910*	*48,000,000*	*400,000*	*400,000*
Sample Number	*Date*	*Depth*	*Aniline (ug/kg)*	*Bis(2-chloroethyl) ether (ug/kg)*	*Phenol (ug/kg)*	*2-Chloro-phenol (ug/kg)*	*1,3-Dichloro benzene (ug/kg)*
CP-205A	11/20/95	2	<168	<34	<34	<34	<34
CP-205A	11/20/95	6	<1900	<380	<380	<380	<380
CP-205B	11/20/95	15	<1787	<357	<357	<357	<357
CP-205B	11/21/95	28	<167	<33	<33	<33	<33
CP-205B	11/21/95	36	<1717	<343	<343	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*106-46-7*	*95-50-1*	*100-51-6*	*108-60-1*	*95-48-7*	*98-86-2*
MTCA Method B (ug/kg)		*41,700*	*7,200,000*	*PQL = 1,300*	*3,200,000*	*4,000,000*	*NA*
Sample Number	*Date*	*1,4-Dichloro benzene (ug/kg)*	*1,2-Dichloro benzene (ug/kg)*	*Benzyl alcohol (ug/kg)*	*Bis(2-chloro-1-methyl-ethyl)ether (ug/kg)*	*2-Methyl-phenol (ug/kg)*	*Acetophenone (ug/kg)*
CP-205A	11/20/95	<34	<34	<67	<34	<34	<168
CP-205A	11/20/95	<380	<380	<760	<380	<380	<1900
CP-205B	11/20/95	<357	<357	<715	<357	<357	<1787
CP-205B	11/21/95	<33	<33	<67	<33	<33	<167
CP-205B	11/21/95	<343	<343	<687	<343	<343	<1717

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*67-72-1*	*621-64-7*	*106-44-5*	*98-95-3*	*78-59-1*	*88-75-5*
MTCA Method B (ug/kg)		*71,400*	*143*	*400,000*	*40,000*	*1,050,000*	*PQL = 660*
Sample Number	*Date*	*Hexachloro-ethane (ug/kg)*	*N-Nitroso-di-n-propyl-amine (ug/kg)*	*4-Methyl-phenol (ug/kg)*	*Nitro-benzene (ug/kg)*	*Isophorone (ug/kg)*	*2-Nitro-phenol (ug/kg)*
CP-205A	11/20/95	<34	<34	<34	<34	<34	<34
CP-205A	11/20/95	<380	<380	<380	<380	<380	<380
CP-205B	11/20/95	<357	<357	<357	<357	<357	<357
CP-205B	11/21/95	<33	<33	<33	<33	<33	<33
CP-205B	11/21/95	<343	<343	<343	<343	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*105-67-9*	*111-91-1*	*120-83-2*	*120-82-1*	*91-20-3*	*106-47-8*
MTCA Method B (ug/kg)		*1,600,000*	*PQL = 660*	*240,000*	*800,000*	*320,000*	*320,000*
Sample Number	*Date*	*2,4-Dimethyl-phenol (ug/kg)*	*Bis(2-chloro-ethoxy) methane (ug/kg)*	*2,4-Dichloro-phenol (ug/kg)*	*1,2,4-Trichloro-benzene (ug/kg)*	*Naphthalene (ug/kg)*	*4-Chloro-aniline (ug/kg)*
CP-205A	11/20/95	<34	<34	<34	<34	<34	<67
CP-205A	11/20/95	<380	<380	<380	<380	<380	<760
CP-205B	11/20/95	<357	<357	<357	<357	<357	<715
CP-205B	11/21/95	<33	<33	<33	<33	<33	<67
CP-205B	11/21/95	<343	<343	<343	<343	<343	<687

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*87-68-3*	*65-85-0*	*59-50-7*	*91-57-6*	*77-47-4*	*88-06-2*
MTCA Method B (ug/kg)		*12,800*	*3,200,000*	*PQL = 240*	*PQL = 660*	*560,000*	*90,900*
Sample Number	*Date*	*Hexachloro butadiene (ug/kg)*	*Benzoic Acid (ug/kg)*	*4-Chloro-3-methyl-phenol (ug/kg)*	*2-Methyl naphthalene (ug/kg)*	*Hexachloro-cyclopenta-diene (ug/kg)*	*2,4,6-Trichloro-phenol (ug/kg)*
CP-205A	11/20/95	<34	<168	<67	<34	<34	<34
CP-205A	11/20/95	<380	<1900	<760	<380	<380	<380
CP-205B	11/20/95	<357	<1787	<715	<357	<357	<357
CP-205B	11/21/95	<33	<167	<67	<33	<33	<33
CP-205B	11/21/95	<343	<1717	<687	<343	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*95-95-4*	*91-58-7*	*88-74-4*	*208-96-8*	*131-11-3*	*606-20-2*
MTCA Method B (ug/kg)		*8,000,000*	*6,400*	*PQL = 3,300*	*PQL = 660*	*80,000,000*	*80,000*
Sample Number	*Date*	*2,4,5-Trichloro phenol (ug/kg)*	*2-Chloro napthalene (ug/kg)*	*2-Nitroaniline (ug/kg)*	*Acenaph-thylene (ug/kg)*	*Dimethyl phthalate (ug/kg)*	*2,6-Dinitro toluene (ug/kg)*
CP-205A	11/20/95	<34	<34	<67	<34	<34	<34
CP-205A	11/20/95	<380	<380	<760	<380	<380	<380
CP-205B	11/20/95	<357	<357	<715	<357	<357	<357
CP-205B	11/21/95	<33	<33	<67	<33	<33	<33
CP-205B	11/21/95	<343	<343	<687	<343	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*83-32-9*	*99-09-2*	*51-28-5*	*132-64-9*	*121-14-2*	*100-02-7*
MTCA Method B (ug/kg)		*4,800,000*	*PQL = 3300*	*160,000*	*PQL = 330*	*160,000*	*PQL = 3,300*
Sample Number	*Date*	*Acenaph-thene (ug/kg)*	*3-Nitroaniline (ug/kg)*	*2,4-Dinitro phenol (ug/kg)*	*Dibenzofuran (ug/kg)*	*2,4-Dinitro toluene (ug/kg)*	*4-Nitrophenol (ug/kg)*
CP-205A	11/20/95	<34	<168	<168	<168	<34	<34
CP-205A	11/20/95	<380	<1900	<1900	<1900	<380	<380
CP-205B	11/20/95	<357	<1787	<1787	<1787	<357	<357
CP-205B	11/21/95	<33	<167	<167	<167	<33	<33
CP-205B	11/21/95	<343	<1717	<1717	<1717	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*86-73-7*	*7005-72-3*	*84-66-2*	*100-01-6*	*534-52-1*	*86-30-6*
MTCA Method B (ug/kg)		*3,200,000*	*PQL = 660*	*64,000,000*	*PQL = 1,600*	*NA*	*20,400*
Sample Number	*Date*	*Fluorene (ug/kg)*	*4-Chloro-phenyl phenyl ether (ug/kg)*	*Diethyl-phthalate (ug/kg)*	*4-Nitroaniline (ug/kg)*	*4,6-Dinitro-2-methyl-phenol (ug/kg)*	*N-Nitroso-diphenyl-amine (ug/kg)*
CP-205A	11/20/95	<34	<34	<34	<168	<168	<34
CP-205A	11/20/95	<380	<380	<380	<1900	<1900	<380
CP-205B	11/20/95	<357	<357	<357	<1787	<1787	<357
CP-205B	11/21/95	<33	<33	<33	<167	<167	<33
CP-205B	11/21/95	<343	<343	<343	<1717	<1717	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*103-33-3*	*101-55-3*	*118-74-1*	*87-86-5*	*85-01-8*	*120-12-7*
MTCA Method B (ug/kg)		*NA*	*NA*	*625*	*833*	*PQL = 660*	*24,000,000*
Sample Number	*Date*	*Azobenzene (ug/kg)*	*4-Bromo-phenyl phenyl ether (ug/kg)*	*Hexachloro-benzene (ug/kg)*	*Pentachloro-phenol (ug/kg)*	*Phenanthrene (ug/kg)*	*Anthracene (ug/kg)*
CP-205A	11/20/95	<34	<34	<34	<168	<34	<34
CP-205A	11/20/95	<380	<380	<380	<1900	<380	<380
CP-205B	11/20/95	<357	<357	<357	<1787	<357	<357
CP-205B	11/21/95	<33	<33	<33	<167	<33	<33
CP-205B	11/21/95	<343	<343	<343	<1717	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*84-74-2*	*206-44-0*	*92-87-5*	*129-00-0*	*85-68-7*	*91-94-1*
MTCA Method B (ug/kg)		*8,000,000*	*3,200,000*	*4.35*	*2,400,000*	*8,000,000*	*2,200*
Sample Number	*Date*	*Di-n-butyl-phthalate (ug/kg)*	*Fluoranthene (ug/kg)*	*Benzidine (ug/kg)*	*Pyrene (ug/kg)*	*Butyl benzyl phthalate (ug/kg)*	*3,3'-Dichloro-benzidine (ug/kg)*
CP-205A	11/20/95	<34	<34	<34	<34	<34	<34
CP-205A	11/20/95	<380	<380	<380	<380	<380	<380
CP-205B	11/20/95	<357	<357	<357	<357	<357	<357
CP-205B	11/21/95	<33	<33	<33	<33	<33	<33
CP-205B	11/21/95	<343	<343	<343	<343	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*56-55-3*	*218-01-3*	*117-81-7*	*117-84-0*	*205-99-2*	*207-08-9*
MTCA Method B (ug/kg)		*137*	*137*	*71,400*	*1,600*	*137*	*137*
Sample Number	*Date*	*Benzo(a) anthracene (ug/kg)*	*Chrysene (ug/kg)*	*bis(2-ethylhexyl) phthalate (ug/kg)*	*Di-n-octyl-phthalate (ug/kg)*	*Benzo(b) fluoranthene (ug/kg)*	*Benzo(k)fluor anthene (ug/kg)*
CP-205A	11/20/95	<67	<34	<168	<34	<34	<34
CP-205A	11/20/95	<760	<380	<1900	<380	<380	<380
CP-205B	11/20/95	<715	<357	<1787	<357	<357	<357
CP-205B	11/21/95	<67	<33	<167	<33	<33	<33
CP-205B	11/21/95	<687	<343	<1717	<343	<343	<343

SVOCs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*50-32-8*	*193-39-5*	*53-70-3*	*191-24-2*
MTCA Method B (ug/kg)		*137*	*137*	*137*	*PQL = 660*
Sample Number	*Date*	*Benzo(a) pyrene (ug/kg)*	*Indeno (1,2,3-cd) pyrene (ug/kg)*	*Dibenz(a,h) anthracene (ug/kg)*	*Benzo(g,h,i) perylene (ug/kg)*
CP-205A	11/20/95	<34	<34	<34	<34
CP-205A	11/20/95	<380	<380	<380	<380
CP-205B	11/20/95	<357	<357	<357	<357
CP-205B	11/21/95	<33	<33	<33	<33
CP-205B	11/21/95	<343	<343	<343	<343

TPH in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number			*NA*	*NA*	*NA*
MTCA Method A (mg/kg)			*100*	*200*	*200*
Sample Number	*Date*	*Depth*	*WTPH-D (as diesel) (mg/kg)*	*WTPH-G (as gasoline) (mg/kg)*	*TPH (418.1) (mg/kg)*
CP-205A	11/20/95	2	<2.5	<0.25	2.3
CP-205A	11/20/95	6	2.9	<0.25	25
CP-205A	11/20/95	10	10	<0.25	52
CP-205B	11/20/95	15	<2.5	<0.25	<1
CP-205B	11/21/95	28	<2.5	<0.25	3.6
CP-205B	11/21/95	36	<2.5	<0.25	<1

PCBs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number			*12674-11-2*	*11104-28-2*	*11141-16-5*	*53469-21-9*	*12672-29-6*	*11097-69-1*
MTCA Method B (mg/kg)			*0.13*	*0.13*	*0.13*	*0.13*	*0.13*	*0.13*
Sample Number	*Date*	*Depth*	*Aroclor 1016 (mg/kg)*	*Aroclor 1221 (mg/kg)*	*Aroclor 1232 (mg/kg)*	*Aroclor 1242 (mg/kg)*	*Aroclor 1248 (mg/kg)*	*Aroclor 1254 (mg/kg)*
CP-205A	11/20/95	2	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
CP-205A	11/20/95	6	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041
CP-205A	11/20/95	10	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
CP-205B	11/20/95	15	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
CP-205B	11/21/95	28	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CP-205B	11/21/95	36	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006

PCBs in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*11096-82-5*
MTCA Method B (mg/kg)		*0.13*
Sample Number	*Date*	*Aroclor 1260 (mg/kg)*
CP-205A	11/20/95	<0.007
CP-205A	11/20/95	<0.041
CP-205A	11/20/95	<0.032
CP-205B	11/20/95	<0.003
CP-205B	11/21/95	<0.006
CP-205B	11/21/95	<0.006

Metals in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number			*7440-38-2*	*7440-39-3*	*7440-41-7*	*7440-43-9*	*18540-29-9*	*7440-50-8*
MTCA Method B (mg/kg)			*1.43*	*5,600*	*0.233*	*0.164*	*NA*	*2,960*
Sample Number	*Date*	*Depth*	*Arsenic (mg/kg)*	*Barium (mg/kg)*	*Beryllium (mg/kg)*	*Cadmium (mg/kg)*	*Chromium (mg/kg)*	*Copper (mg/kg)*
CP-205A	11/20/95	2	<13	<27	<0.67	<0.67	13	3.6
CP-205A	11/20/95	6	<13	<25	<0.63	<0.63	18	7.5
CP-205A	11/20/95	10	<14	<28	<0.71	<0.71	17	8.7
CP-205B	11/20/95	15	<15	<30	<0.76	<0.76	17	6.8
CP-205B	11/21/95	28	<12	<23	<0.58	<0.58	26	11
CP-205B	11/21/95	36	<14	<29	<0.71	<0.71	18	5.6

Metals in Soil Samples
Wells CP-205A and CP-205B
November 1995
Pier 91 Facility

CAS Number		*7439-92-1*	*7439-97-6*	*7440-02-0*	*7782-49-2*	*7740-22-4*	*7440-66-6*
MTCA Method B (mg/kg)		*PQL = 21*	*240*	*1,600*	*400*	*400*	*24,000*
Sample Number	*Date*	*Lead (mg/kg)*	*Mercury (mg/kg)*	*Nickel (mg/kg)*	*Selenium (mg/kg)*	*Silver (mg/kg)*	*Zinc (mg/kg)*
CP-205A	11/20/95	<13	<0.043	15	<1.3	<1.3	16
CP-205A	11/20/95	32	<0.043	20	<1.3	<1.3	30
CP-205A	11/20/95	<14	<0.0403	23	<1.4	<1.4	26
CP-205B	11/20/95	<15	<0.045	22	<1.5	<1.5	20
CP-205B	11/21/95	<12	<0.05	30	<1.2	<1.2	29
CP-205B	11/21/95	<14	<0.045	20	<1.4	<1.4	22