FARALLON consulting

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August 24, 2010

Mr. Ed Jones, Project Manager
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

RE: PROGRESS REPORT, APRIL THROUGH JUNE 2010, QUARTER 2
REMEDIAL INVESTIGATION
CAPITAL INDUSTRIES, INC., SEATTLE, WASHINGTON
AGREED ORDER NO. DE5348
FARALLON PN: 457-004

Dear Mr. Jones:

Farallon Consulting, L.L.C. (Farallon) has prepared this progress report on behalf of Capital Industries, Inc. (Capital) to summarize the activities conducted during the Second Quarter of 2010 for the period from April through June 2010 as part of the the Remedial Investigation (RI) at the Capital Site at 5801 3rd Avenue South in Seattle, Washington. This progress report has been prepared in accordance with Agreed Order No. DE5348 entered into by Capital and the Washington State Department of Ecology (Ecology) dated January 24, 2008 (Agreed Order).

ACTIVITIES DURING REPORTING PERIOD

Activities completed for the RI during the Second Quarter of 2010 are summarized below.

REMEDIAL INVESTIGATION

Activities conducted under the RI during this reporting period included communications with Ecology and property owners regarding establishing the Capital groundwater monitoring well network and conducting groundwater monitoring at the Capital Area of Investigation and to meet the requirements of the Agreed Order. In addition to communications, the following activities were conducted during this reporting period:

- Ecology approved the Capital Groundwater Monitoring Plan provided on June 2, 2010. The Groundwater Monitoring Plan defines the procedures for groundwater monitoring throughout the Capital groundwater monitoring well network, which includes new and existing groundwater monitoring wells.
- Access agreements were finalized with property owners of the CalPortland property, Gull Industries, Inc. property, and Michigan Properties property. These properties encompassed the locations where the remaining monitoring wells included in the Capital monitoring well network were to be installed.

- A total of 12 monitoring wells were installed at the properties owned by CalPortland, Gull Industries, Inc., and Michigan Properties. The installed monitoring wells varied in depth from 20 to 70 feet below ground surface and were installed in accordance with the approved Groundwater Monitoring Plan.
- Groundwater level measurements were obtained on May 10, 2010 from the Capital monitoring well network The monitoring wells noted on the properties in the preceding bullet were not installed prior to this monitoring event. At the request of Ecology, collection of the water level measurements was coordinated with Phillips Service Corporation, Blaser Die Casting, and Art Brass Plating. The groundwater level measurement results are summarized in Table 1.
- The second quarterly groundwater monitoring event was conducted at the Capital monitoring well network. Groundwater monitoring and sampling was conducted between June 14 and 18, 2010 and consisted of collecting groundwater measurements and purging and sampling groundwater monitoring wells for laboratory analysis of halogenated volatile organic compounds, 1,4-dioxane, ferric iron, manganese, and natural attenuation parameters. The groundwater level measurement results are summarized in Table 1. The laboratory analytical results for monitoring and sampling at the Capital Site, including the June 2010 groundwater sampling event, are presented in Tables 2 and 3. The groundwater level measurement recorded at monitoring well MW-2 during this event was significantly lower than in previous events. It is suspected that this is due to a recording or equipment error in the field. The groundwater measurement recorded at monitoring well MW-2 during future events will be compared to the second quarterly groundwater monitoring event to evaluate its validity.

VAPOR INTRUSION

The following vapor intrusion activities were performed by Capital during this reporting period:

- Continued operation and maintenance of the sub-slab depressurization system (SSDS) installed at the Olympic Medical Building at 5900 1st Avenue South in Seattle.
- Confirmation that tenant inspections of the SSDS are being conducted.

INTERIM MEASURES

No interim measures were implemented during this reporting period.

PUBLIC COMMUNICATIONS

The project website was updated with an electronic copy of the previous progress report and the approved Groundwater Monitoring Plan. No other public communications activities were completed during this period.

ANTICIPATED WORK IN THE NEXT QUARTER

Work anticipated to be performed during the July through August 2010 progress reporting period is summarized below.

REMEDIAL INVESTIGATION

The following RI activities are anticipated to be performed during the next quarterly reporting period:

- Conduct quarterly groundwater elevation monitoring at the Capital monitoring well network in conjunction with Art Brass Plating, Blaser Die Casting, and Phillips Service Corporation.
- Conduct the third quarterly groundwater monitoring event at the Capital monitoring well network.
- Conduct a tidal study at monitoring wells located near Slip 2 of the Duwamish Waterway to determine if tidal fluctuations affect groundwater flow within the Capital Area of Investigation.
- Conduct slug tests at select monitoring wells in the Water Table, Shallow, and Intermediate Zones to determine hydraulic conductivity within the Capital Area of Investigation.

VAPOR INTRUSION MITIGATION—OLYMPIC MEDICAL BUILDING

The following activities related to potential vapor intrusion issues are anticipated to be performed during the next reporting period:

- Capital will coordinate with Ecology regarding the evaluation of vapor intrusion based on the results of groundwater sampling conducted during the First and Second Quarter of 2010 and reconnaissance groundwater sampling conducted in 2009.
- Continued operation and maintenance of the SSDS installed at the Olympic Medical Building.
- Confirmation that tenant inspections of the SSDS are being conducted.

INTERIM MEASURES

No interim measures are anticipated during the next reporting period.

PUBLIC COMMUNICATIONS

The project website will be updated with an electronic copy of this progress report. The next progress report will summarize activities completed from July through September 2010 and will be submitted on or before November 24, 2010.

CLOSING

Farallon trusts that this quarterly progress report provides sufficient information for Ecology. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Daniel Caputo
Project Manager

Peter Jewett, L.G., L.E.G.
Principal

Attachments: Table 1, *Groundwater Elevation Data Summary*
Table 2, *Summary of Halogenated Volatile Organic Compound Groundwater Analytical Results*
Table 3, *Summary of Natural Attenuation Parameters, Ferric Iron, Manganese, and 1,4-dioxane Analytical Results*

cc: Ron Taylor, Capital Industries, Inc.
Don Verfurth, Gordon and Rees, L.L.P.
Tong Li, Groundwater Solutions

E-mail with link to electronic copy on project website:
Janet Knox, Pacific Groundwater Group
Doug Hillman, Aspect Consulting
Bill Carroll, Arrow Environmental
Bill Beck, Phillips Service Corporation

DC/PJ:bw

Table 1
Groundwater Elevation Data Summary
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-004

Monitoring Well Identification	Date Collected	Collected By	Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Potentiometric Surface Elevation (feet)[3,4]
Water Table Zone					
MW-1	2/9/2006	Capital Industries	16.34	6.60	9.74
	5/15/2007	Capital Industries	16.34	7.66	8.68
	8/1/2008	Capital Industries	16.34	8.60	7.74
	12/15/2008	Capital Industries	16.34	8.43	7.91
	3/23/2009	Capital Industries	16.34	7.94	8.40
	5/18/2009	Capital Industries	16.34	7.85	8.49
	8/4/2009	Capital Industries	16.34	8.54	7.80
	10/23/2009	Capital Industries	16.34	8.53	7.81
	2/5/2010	Capital Industries	16.34	7.10	9.24
	5/10/2010	Capital Industries	16.34	7.45	8.89
	6/14/2010	Capital Industries	16.34	NM	NM
MW-2	2/9/2006	Capital Industries	16.58	7.25	9.33
	5/15/2007	Capital Industries	16.58	8.29	8.29
	8/1/2008	Capital Industries	16.58	9.14	7.44
	12/15/2008	Capital Industries	16.58	8.93	7.65
	3/23/2009	Capital Industries	16.58	8.50	8.08
	5/18/2009	Capital Industries	16.58	8.43	8.15
	8/4/2009	Capital Industries	16.58	9.06	7.52
	10/23/2009	Capital Industries	16.58	9.00	7.58
	2/5/2010	Capital Industries	16.58	7.69	8.89
	3/22/2010	Capital Industries	16.58	7.85	8.73
	5/10/2010	Capital Industries	16.58	8.06	8.52
	6/14/2010	Capital Industries	16.58	15.15	1.43
MW-3	2/9/2006	Capital Industries	15.85	6.84	9.01
	5/15/2007	Capital Industries	15.85	7.85	8.00
	8/1/2008	Capital Industries	15.85	8.61	7.24
	12/15/2008	Capital Industries	15.85	8.43	7.42
	3/23/2009	Capital Industries	15.85	8.02	7.83
	5/18/2009	Capital Industries	15.85	7.99	7.86
	8/4/2009	Capital Industries	15.85	8.55	7.30
	10/23/2009	Capital Industries	15.85	8.46	7.39
	2/5/2010	Capital Industries	15.85	7.17	8.68
	3/22/2010	Capital Industries	15.85	7.48	8.37
	6/14/2010	Capital Industries	15.85	7.71	8.14

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Capital Industries, Inc.
Seattle, Washington
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Monitoring Well Identification	Date Collected	Collected By	Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Potentiometric Surface Elevation (feet)[3,4]
MW-4	2/9/2006	Capital Industries	15.73	6.39	9.34
	5/15/2007	Capital Industries	15.73	7.35	8.38
	8/1/2008	Capital Industries	15.73	8.17	7.56
	12/15/2008	Capital Industries	15.73	8.03	7.70
	3/23/2009	Capital Industries	15.73	7.60	8.13
	5/18/2009	Capital Industries	15.73	7.52	8.21
	8/4/2009	Capital Industries	15.73	8.12	7.61
	10/23/2009	Capital Industries	15.73	8.08	7.65
	2/5/2010	Capital Industries	15.73	6.78	8.95
	3/22/2010	Capital Industries	15.73	7.02	8.71
	5/10/2010	Capital Industries	15.73	7.14	8.59
	6/14/2010	Capital Industries	15.73	7.23	8.50
MW-5	2/9/2006	Capital Industries	15.90	6.30	9.60
	5/15/2007	Capital Industries	15.90	7.41	8.49
	8/1/2008	Capital Industries	15.90	8.31	7.59
	12/15/2008	Capital Industries	15.90	8.10	7.80
	3/23/2009	Capital Industries	15.90	7.65	8.25
	5/18/2009	Capital Industries	15.90	7.54	8.36
	8/4/2009	Capital Industries	15.90	8.25	7.65
	10/23/2009	Capital Industries	15.90	8.18	7.72
	2/5/2010	Capital Industries	15.90	6.75	9.15
	3/22/2010	Capital Industries	15.90	6.72	9.18
	5/10/2010	Capital Industries	15.90	7.17	8.73
	6/14/2010	Capital Industries	15.90	7.29	8.61
MW-6	2/9/2006	Capital Industries	17.52	7.72	9.80
	5/15/2007	Capital Industries	17.52	8.58	8.94
	8/1/2008	Capital Industries	17.52	9.51	8.01
	12/15/2008	Capital Industries	17.52	9.44	8.08
	3/23/2009	Capital Industries	17.52	8.96	8.56
	5/18/2009	Capital Industries	17.52	8.87	8.65
	8/4/2009	Capital Industries	17.52	9.44	8.08
	10/23/2009	Capital Industries	17.52	9.51	8.01
	2/5/2010	Capital Industries	17.52	8.13	9.39
	3/22/2010	Capital Industries	17.52	8.30	9.22
	5/10/2010	Capital Industries	17.52	8.39	9.13
	6/14/2010	Capital Industries	17.52	8.50	9.02

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Groundwater Elevation Data Summary
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-004

Monitoring Well Identification	Date Collected	Collected By	Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Potentiometric Surface Elevation (feet)[3,4]
MW-7	2/9/2006	Capital Industries	17.04	7.32	9.72
	5/15/2007	Capital Industries	17.04	8.19	8.85
	8/1/2008	Capital Industries	17.04	9.10	7.94
	12/15/2008	Capital Industries	17.04	9.03	8.01
	3/23/2009	Capital Industries	17.04	8.55	8.49
	5/18/2009	Capital Industries	17.04	8.45	8.59
	8/4/2009	Capital Industries	17.04	9.02	8.02
	10/23/2009	Capital Industries	17.04	9.09	7.95
	2/5/2010	Capital Industries	17.04	7.75	9.29
	3/22/2010	Capital Industries	17.04	7.90	9.14
	5/10/2010	Capital Industries	17.04	7.99	9.05
	6/14/2010	Capital Industries	17.04	8.12	8.92
MW-8	2/9/2006	Capital Industries	16.77	6.71	10.06
	5/15/2007	Capital Industries	16.77	7.60	9.17
	8/1/2008	Capital Industries	16.77	8.57	8.20
	12/15/2008	Capital Industries	16.77	8.51	8.26
	3/23/2009	Capital Industries	16.77	8.01	8.76
	5/18/2009	Capital Industries	16.77	7.91	8.86
	8/4/2009	Capital Industries	16.77	8.51	8.26
	10/23/2009	Capital Industries	16.77	8.56	8.21
	2/5/2010	Capital Industries	16.77	7.19	9.58
	3/22/2010	Capital Industries	16.77	7.31	9.46
	5/10/2010	Capital Industries	16.77	7.41	9.36
	6/14/2010	Capital Industries	16.77	7.54	9.23
CI-9-WT	6/14/2010	Capital Industries	15.83	7.45	8.38
CI-10-WT	3/22/2010	Capital Industries	15.68	7.85	7.83
	5/2/2010	Capital Industries	15.68	8.04	7.64
	6/14/2010	Capital Industries	15.68	8.1	7.58
CI-11-WT	6/14/2010	Capital Industries	13.42	6.62	6.80
CI-12-WT	3/22/2010	Capital Industries	15.44	8.49	6.95
	5/10/2010	Capital Industries	15.44	8.89	6.55
	6/14/2010	Capital Industries	15.44	8.68	6.76
CI-13-WT	6/14/2010	Capital Industries	15.58	9.42	6.16
CI-14-WT	6/14/2010	Capital Industries	15.08	8.03	7.05
CG-137-WT	3/22/2010	Capital Industries	15.75	7.22	8.53
	5/10/2010	Capital Industries	15.75	7.33	8.42
	6/14/2010	Capital Industries	15.75	7.39	8.36
CG-141-WT	3/22/2010	Capital Industries	17.01	9.08	7.93
	5/10/2010	Capital Industries	17.01	9.29	7.72
	6/14/2010	Capital Industries	17.01	9.15	7.86

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Capital Industries, Inc.
Seattle, Washington
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Monitoring Well Identification	Date Collected	Collected By	Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Potentiometric Surface Elevation (feet)[3,4]
Shallow Zone					
CI-7-40	3/22/2010	Capital Industries	16.79	7.65	9.14
	5/10/2010	Capital Industries	16.79	7.74	9.05
	6/14/2010	Capital Industries	16.79	8.87	
CI-8-40	3/22/2010	Capital Industries	16.50	7.04	9.46
	5/10/2010	Capital Industries	16.50	7.14	9.36
	6/14/2010	Capital Industries	16.50	7.25	9.25
CI-9-40	6/14/2010	Capital Industries	15.81	7.40	8.41
CI-10-35	3/22/2010	Capital Industries	15.68	7.90	7.78
	5/10/2010	Capital Industries	15.68	8.08	7.60
	6/14/2010	Capital Industries	15.68	8.13	7.55
CI-11-30	6/14/2010	Capital Industries	13.32	6.80	6.52
CI-12-30	3/22/2010	Capital Industries	15.45	8.53	6.92
	5/10/2010	Capital Industries	15.45	8.92	6.53
	6/14/2010	Capital Industries	15.45	8.68	6.77
CI-13-30	6/14/2010	Capital Industries	15.83	9.65	6.18
CI-14-35	6/14/2010	Capital Industries	15.12	8.09	7.03
CI-15-40	3/22/2010	Capital Industries	16.60	8.94	7.66
	5/10/2010	Capital Industries	16.60	9.16	7.44
	6/14/2010	Capital Industries	16.60	9.21	7.39
CG-137-40	3/22/2010	Capital Industries	15.79	7.30	8.49
	5/10/2010	Capital Industries	15.79	7.35	8.44
	6/14/2010	Capital Industries	15.79	7.47	8.32
CG-141-40	3/22/2010	Capital Industries	17.01	9.35	7.66
	5/10/2010	Capital Industries	17.01	9.30	7.71
	6/14/2010	Capital Industries	17.01	9.35	7.66
CI-MW-1-40	6/14/2010	Capital Industries	16.04	NM	NM

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Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-004

Monitoring Well Identification	Date Collected	Collected By	Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Potentiometric Surface Elevation (feet)[3,4]
Intermediate Zone					
CI-7-60	3/22/2010	Capital Industries	17.04	7.92	9.12
	5/10/2010	Capital Industries	17.04	7.99	9.05
	6/14/2010	Capital Industries	17.04	8.14	8.9
CI-8-60	3/22/2010	Capital Industries	16.62	7.17	9.45
	5/10/2010	Capital Industries	16.62	7.25	9.37
	6/14/2010	Capital Industries	16.62	7.4	9.22
CI-9-70	6/14/2010	Capital Industries	15.75	7.47	8.28
CI-10-65	3/22/2010	Capital Industries	15.63	7.96	7.67
	5/10/2010	Capital Industries	15.63	8.15	7.48
	6/14/2010	Capital Industries	15.63	8.19	7.44
CI-11-60	6/14/2010	Capital Industries	13.51	6.50	7.01
CI-12-60	3/22/2010	Capital Industries	15.63	8.59	7.04
	5/10/2010	Capital Industries	15.63	8.99	6.64
	6/14/2010	Capital Industries	15.63	8.76	6.87
CI-13-60	6/14/2010	Capital Industries	15.30	9.16	6.14
CI-14-70	6/14/2010	Capital Industries	15.13	8.20	6.93
CI-15-60	3/22/2010	Capital Industries	16.58	8.98	7.60
	5/10/2010	Capital Industries	16.58	9.21	7.37
	6/14/2010	Capital Industries	16.58	9.27	7.31
CI-137-50	3/22/2010	Capital Industries	16.55	7.98	8.57
	5/10/2010	Capital Industries	16.55	8.11	8.44
	6/14/2010	Capital Industries	16.55	8.20	8.35
CG-141-50	3/22/2010	Capital Industries	17.06	9.21	7.85
	5/10/2010	Capital Industries	17.06	9.30	7.76
	6/14/2010	Capital Industries	17.06	9.40	7.66
CI-MW-1-60	6/14/2010	Capital Industries	16.31	NM	NM

NOTES:

[1]Relative elevation of top of casing, in feet, as surveyed by PLS, Inc., Issaquah, Washington, 8/22/2003.

[2]Depth to water below top of well casing.

[3]Potentiometric Surface = (Casing Elevation - Depth to Water).

[4]Groundwater elevation (feet above mean sea level).

NM = not measured

Table 2
Summary of Halogenated Volatile Organic Compounds Groundwater Analytical Results
Capital Industries
Seattle, Washington
Farallon PN: 457-004

Sample Location	Sample Date	Analytical Results (micrograms per liter) [2]				
		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
Water Table Zone						
MW-1	02/10/06	**0.52**	**16**	**78**	1.1	<0.4
	June 2009[3]	**0.44**	**13**	34	0.66	0.12
	6/16/2010	**0.34**	**9.5**	19	0.5	<0.20
MW-2	02/10/06	<2	**300**	28	6.2	<2
	3/25/2010	<0.40	**73**	21	3.0	0.67
	6/17/2010	<0.40	**68**	10	3.0	<0.40
MW-3	02/09/06	<0.2	**5.6**	49	0.23	**4**
	3/25/2010	<0.20	**4.5**	30	<0.20	0.51
	6/16/2010	<0.20	**4.6**	33	0.26	0.65
MW-4	02/09/06	<0.2	**3.6**	1.1	<0.2	<0.2
	3/25/2010	<0.20	**1.7**	1.1	<0.20	0.67
	6/17/2010	<0.20	**2.5**	1.2	<0.20	<0.20
MW-5	02/09/06	<2	**300**	**230**	3.2	**17**
	3/24/2010	<1.0	**110**	**79**	1.6	**2.6**
	6/16/2010	<1.0	**130**	**100**	2.2	**5.1**
MW-6	02/10/06	**16**	**19**	22	<0.2	<0.2
	3/24/2010	**11**	**7**	1.3	<0.20	<0.20
	6/17/2010	**5.5**	**6.8**	3.9	<0.20	<0.20
MW-7	02/09/06	**46**	**38**	6.7	<0.2	<0.2
	3/24/2010	**22**	**17**	5.9	1.9	<0.20
	6/17/2010	**9.4**	**8.1**	5.8	<0.20	0.43
MW-8	02/09/06	<0.2	<0.2	0.41	<0.2	<0.2
	3/24/2010	<0.20	<0.20	0.26	<0.20	<0.20
	6/16/2010	<0.20	<0.20	0.3	<0.20	<0.20
CI-9-WT	6/16/2010	**1.8**	**26**	3.8	<0.20	<0.20
CI-10-WT	3/24/2010	<0.20	**32**	7.5	0.39	<0.20
	6/17/2010	<0.20	**39**	17	0.79	<0.20
CI-11-WT	6/15/2010	<0.20	<0.20	0.32	<0.20	**2.0**
CI-12-WT	3/23/2010	<0.20	0.38	<0.20	<0.20	0.59
	6/15/2010	<0.20	0.33	<0.20	<0.20	0.31
CI-13-WT	6/17/2010	<0.20	<0.20	0.26	<0.20	<0.20
CI-14-WT	6/16/2010	<0.20	1.2	3	0.22	<0.20
CG-137-WT	3/25/2010	<0.40	**98**	49	9.8	**3.3**
	6/18/2010[4]	<0.40[4]	**98**[4]	50[4]	7.7[4]	0.92[4]
CG-141-WT	3/23/2010	<0.20	<0.20	<0.20	<0.20	<0.20
	6/15/2010	<0.20	<0.20	<0.20	<0.20	<0.20
Screening Levels[5]		**0.17**	**0.404**	**72.7**	**65.3**	**1.28**

Table 2
Summary of Halogenated Volatile Organic Compounds Groundwater Analytical Results
Capital Industries
Seattle, Washington
Farallon PN: 457-004

Sample Location	Sample Date	Analytical Results (micrograms per liter) [2]				
		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
Shallow Zone						
CI-7-40	3/25/2010	<0.20	<0.20	1.0	<0.20	**2.3**
	6/17/2010	<0.20	<0.20	1.8	<0.20	**3.6**
CI-8-40	3/24/2010	<0.20	<0.20	29	<0.20	**17**
	6/16/2010	<0.20	<0.20	15	<0.20	**13**
CI-9-40	6/16/2010	<0.20	<0.20	6	<0.20	1.5
CI-10-35	3/24/2010	<0.20	**25**	3.4	0.43	**7.2**
	6/17/2010	<0.20	**29**	4.2	0.53	**8.6**
CI-11-30	6/15/2010	<0.20	<0.20	0.87	<0.20	**4.5**
CI-12-30	3/23/2010	<0.20	<0.20	<0.20	<0.20	**26**
	6/15/2010	<0.20	<0.20	<0.20	<0.20	**28**
CI-13-30	6/16/2010	<0.20	<0.20	16	<0.20	**1.7**
CI-14-35	6/16/2010	<0.40	**71**	25	1.1	**3.8**
CI-15-40	3/23/2010	<0.20	<0.20	2.9	<0.20	**7.8**
	6/15/2010	<0.20	<0.20	2.8	<0.20	**11**
CG-137-40	3/25/2010	<0.20	<0.20	<0.20	<0.20	**53**
	6/18/2010[4]	<0.40[4]	<0.40[4]	<0.40[4]	<0.40[4]	**68**[4]
CG-141-40	3/23/2010	<1.0	<1.0	<1.0	<1.0	**150**
	6/15/2010	<0.20	<0.20	<0.20	<0.20	**270**
CI-MW-1-40	June 2009	<0.20	<0.20	<0.20	<0.20	**1.7**
	6/16/2010	<0.20	<0.20	<0.20	<0.20	0.55
Screening Levels[5]		**0.17**	**0.654**	**137**	**1403**	**1.69**
Intermediate Zone						
CI-7-60	3/24/2010	<0.20	<0.20	<0.20	<0.20	0.46
	6/17/2010	<0.20	<0.20	<0.20	<0.20	0.78
CI-8-60	3/24/2010	<0.20	<0.20	<0.20	<0.20	<0.20
	6/16/2010	<0.20	<0.20	<0.20	<0.20	<0.20
CI-9-70	6/16/2010	<0.20	<0.20	<0.20	<0.20	0.43
CI-10-65	3/24/2010	<0.20	<0.20	<0.20	<0.20	0.71
	6/17/2010	<0.20	<0.20	0.26	<0.20	0.95
CI-11-60	6/15/2010	<0.20	<0.20	<0.20	<0.20	0.88
CI-12-60	3/23/2010	<0.20	<0.20	<0.20	<0.20	0.28
	6/15/2010	<0.20	<0.20	<0.20	<0.20	<0.20
CI-13-60	6/17/2010	<0.20	<0.20	0.28	<0.20	0.89
CI-14-70	6/16/2010	<0.20	<0.20	<0.20	<0.20	0.21
CI-15-60	3/23/2010	<0.20	<0.40	<0.40	<0.40	**79**
	6/15/2010	<1.0	<1.0	<1.0	<1.0	**140**
CI-137-50	3/25/2010	<0.20	<0.20	<0.20	<0.20	**11**
	6/18/2010[4]	<0.20[4]	<0.20[4]	<0.20[4]	<0.20[4]	**15**[4]
CG-141-50	3/23/2010	<0.40	<0.40	<0.40	<0.40	**72**
	6/17/2010	<0.40	<0.40	<0.40	<0.40	**88**
CI-MW-1-60	June 2009	<0.20	<0.20	0.046	<0.20	**1.9**
	6/16/2010	<0.20	<0.20	<0.20	<0.20	0.46
Screening Levels[5]		**0.17**	**0.654**	**137**	**1403**	**1.69**

NOTES:

Results in **bold** denote concentrations above applicable screening levels.

< denotes analyte not detected at or above the reporting limit listed.

Shaded rows indicate monitoring well has not been installed due to access complications.

[1]Depth in feet below ground surface.

[2]Analyzed using U.S. Environmental Protection Agency Method 8260B.

[3]Exact sample date is not known, sample collected by Blaser Die Casting.

[4]A labeling error was committed at the CI-137 monitoring well cluster, sample CG-137-WT was labeled XX, CG-137-40 was labeled XX, and CI-137-50 was labeled XX. The labels have been corrected so that analytical data is shown associated with the appropriate monitoring well.

PCE = tetrachloroethene

TCE = trichloroethene

DCE = dichloroethene

Water Table Zone = denotes interval from the top of water table to 20 feet below ground surface (bgs).

Shallow Zone = denotes interval from 20 to 40 feet bgs.

Intermediate Zone = denotes interval below 40 bgs.

[5]Screening levels were calculated using Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Modified Method B groundwater cleanup levels, modified based on Asian Pacific Island Exposure scenarios for the consumption of fish for the groundwater-to-surface-water pathway, the Federal Clean Water Act Ambient Water Quality Criteria based on human health consumption of organisms for the groundwater-to-surface-water pathway, and Residential Exposure Scenario for inhalation of indoor air exposure pathway.

Table 3
Summary of Natural Attenuation Parameters, Ferric Iron, Manganese, and 1,4-Dioxane Analytical Results
Capital Industries
Seattle, Washington
Farallon PN: 457-004

Sample Location	Sample Date	Dissolved Oxygen [1] (mg/l)	Chloride[2] (mg/l)	Nitrite [3] (mg/l)	Nitrate [3] (mg/l)	Sulfide [4] (mg/l)	Sulfate [3] (mg/l)	Ferrous Iron [5] (mg/l)	Methane [6] (mg/l)	Ethane [6] (mg/l)	Ethene [6] (mg/l)	Total Alkalinity [8](mg/l)	Ferric Iron [5] (mg/l)	Manganese (II) [5] (mg/l)	1,4-Dioxane[7] (mg/l)
Water Table Zone															
MW-2	6/17/2010	0.48	-	-	-	-	-	-	-	-	-	-	**2,800**	49	<2.0
MW-3	6/16/2010	0.7	-	-	-	-	-	-	-	-	-	-	**32,000**	**310**	<2.0
MW-4	6/17/2010	2.07	-	-	-	-	-	-	-	-	-	-	**26,000**	**2100**	<2.0
MW-5	6/16/2010	0.65	-	-	-	-	-	-	-	-	-	-	**22,000**	**470**	<2.0
MW-6	6/17/2010	1.19	-	-	-	-	-	-	-	-	-	-	**2,900**	**250**	<2.0
MW-7	6/17/2010	1.05	9	<0.050	3.2	<0.050	42	5.41	200	53	<15	20	**42,000**	**280**	9.3
MW-8	6/16/2010	0.66	-	-	-	-	-	-	-	-	-	-	**58,000**	**250**	<2.0
CI-9-WT	6/16/2010	0.34	7.1	<0.050	4.9	<0.050	41	0.929	38	<2.5	<2.5	97	**1,300**	**210**	<2.0
CI-10-WT	6/17/2010	0.49	4.6	<0.050	1.4	<0.050	32	0.333	6.1	<0.50	<0.50	90	920	78	<2.0
CI-11-WT	6/15/2010	0.41	16	<0.050	0.65	<0.050	<10	24.2	16,000	<1,000	<1,000	170	**23,000**	**870**	4.8
CI-12-WT	6/15/2010	0.72	-	-	-	-	-	-	-	-	-	-	**1,300**	70	<2.0
CI-13-WT	6/17/2010	0.26	19	<0.050	1.8	<0.050	100	0.101	1.3	<0.50	<0.50	170	380	84	<2.0
CI-14-WT	6/16/2010	0.5	-	-	-	-	-	-	-	-	-	-	560	**140**	<2.0
CG-137-WT	6/18/2010	2.08	14	<0.050	0.064	<0.050	8.1	8.04	3,000	<250	<250	280	**8,900**	**610**	29
CG-141-WT	6/15/2010	1.25	-	-	-	-	-	-	-	-	-	-	**1,100**	**130**	<2.0
CI-MW-1-WT	6/16/2010	0.42	-	-	-	-	-	-	-	-	-	-	**12,000**	**120**	<2.0
Shallow Zone															
CI-7-40	6/17/2010	0.60	27	<0.050	5.1	<0.050	<5.0	9.32	8200	<500	<500	210	**18,000**	**930**	**87**
CI-8-40	6/16/2010	0.81	-	-	-	-	-	-	-	-	-	-	**29,000**	**990**	**120**
CI-9-40	6/16/2010	0.30	10	<0.050	0.12	<0.050	25	13.4	580	<50	<50	80	**14,000**	**470**	8.8
CI-10-35	6/17/2010	0.32	9.3	<0.050	0.17	0.08	20	19.4	520	<50	<50	53	**20,000**	**410**	5.4
CI-11-30	6/15/2010	0.34	25	<0.050	0.15	<0.050	<25	40	9,800	<1,000	<1,000	120	**39,000**	**930**	9.8
CI-12-30	6/15/2010	0.58	-	-	-	-	-	-	-	-	-	-	**15,000**	**320**	6.3
CI-13-30	6/17/2010	0.35	21	<0.050	0.058	<0.050	61	7.98	110	11	<10	120	**9,000**	**400**	<2.0
CI-14-35	6/16/2010	0.31	-	-	-	-	-	-	-	-	-	-	**14,000**	**430**	2.9
CI-15-40	6/15/2010	1.00	-	-	-	-	-	-	-	-	-	-	**18,000**	**400**	3.3
CG-137-40	6/18/2010	0.71	20	<0.050	2.9	<0.050	<5.0	6.56	1,200	<50	<50	220	**6,600**	**650**	25
CG-141-40	6/15/2010	0.94	-	-	-	-	-	-	-	-	-	-	**20,000**	**830**	36
CI-MW-1-40	6/16/2010	0.71	-	-	-	-	-	-	-	-	-	-	**23,000**	**870**	57
Screening Levels[9]													**1,000**	**100**	**78.7**

Table 3
Summary of Natural Attenuation Parameters, Ferric Iron, Manganese, and 1,4-Dioxane Analytical Results
Capital Industries
Seattle, Washington
Farallon PN: 457-004

Sample Location	Sample Date	Dissolved Oxygen [1] (mg/l)	Chloride[2] (mg/l)	Nitrite [3] (mg/l)	Nitrate [3] (mg/l)	Sulfide [4] (mg/l)	Sulfate [3] (mg/l)	Ferrous Iron [5] (mg/l)	Methane [6] (mg/l)	Ethane [6] (mg/l)	Ethene [6] (mg/l)	Total Alkalinity [8](mg/l)	Ferric Iron [5] (mg/l)	Manganese (II) [5] (mg/l)	1,4-Dioxane[7] (mg/l)
Intermediate Zone															
CI-7-60	6/17/2010	0.77	35	<0.050	4.1	<0.050	10	7.46	7,700	<500	<500	210	**15,000**	**870**	**100**
CI-8-60	6/16/2010	0.63	-	-	-	-	-	-	-	-	-	-	**6,900**	**360**	11
CI-9-70	6/16/2010	0.69	31	<0.50	<0.050	<0.050	<5.0	4.78	5,800	<500	<500	200	**5,700**	**1,300**	50
CI-10-65	6/17/2010	0.58	20	<0.50	<0.050	<0.050	<5.0	1.6	9,500	<500	<500	210	**1,700**	**380**	6.6
CI-11-60	6/15/2010	0.33	57	<0.050	<0.050	<0.050	13	1.24	13,000	<1,000	<1,000	320	**1,600**	**600**	19
CI-12-60	6/15/2010	0.36	-	-	-	-	-	-	-	-	-	-	1,000	**240**	<2.0
CI-13-60	6/17/2010	0.45	17	<0.050	0.59	<0.050	14	1.26	6,400	<500	<500	300	**3,800**	**170**	6.4
CI-14-70	6/16/2010	2.79	-	-	-	-	-	-	-	-	-	-	**1,700**	**210**	<2.0
CI-15-60	6/15/2010	0.83	-	-	-	-	-	-	-	-	-	-	**4,900**	**740**	43
CI-137-50	6/18/2010	1.76	<2.0	<0.050	0.11	<0.050	12	2.04	7.8	<0.50	<0.50	29	**3,000**	69	<2.0
CG-141-50	6/17/2010	2.02	-	-	-	-	-	-	-	-	-	-	**5,500**	**600**	23
CI-MW-1-60	6/16/2010	0.71	-	-	-	-	-	-	-	-	-	-	**32,000**	**1,200**	**110**
Screening Levels[9]													**1,000**	**100**	**78.7**

Notes

Results in **bold** denote concentrations above applicable screening levels.

< denotes analyte not detected at or above the reporting limit listed.

— = denotes not analyzed

[1] Collected using a YSI multimeter with flow-through cell

[2] Analyzed by U.S. Environmental Protection Agency (EPA) Method 325.2/325.3/MSA 10-3

[3] Analyzed by EPA Method 300.0

[4] Analyzed by EPA 376.1

[5] Analyzed by EPA Method 8260B or 6020

[6] Analyzed by EPA Method 8015B

[7] Analyzed by EPA Method 8270C

[8] Analyzed by EPA Method SM2320B

[9] Screening levels were calculated using Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Modified Method B groundwater cleanup levels, modified based on Asian Pacific Island Exposure scenarios for the consumption of fish for the groundwater-to-surface-water pathway, the Federal Clean Water Act Ambient Water Quality Criteria based on human health consumption of organisms for the groundwater-to-surface-water pathway, and Residential Exposure Scenario for inhalation of indoor air exposure pathway.

Water Table Zone = denotes interval from the top of water table to 20 feet below ground surface (bgs).

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