5. Historical Soil Data

Table 5-1. Historical Soil Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	40	41	42	43	B-1	B-1	B-1	B-1	B-1	B-1	BT-S	BT-S	BT-W	BT-W	HCMW-5	HCMW-5	HCMW-5	HCMW-6	HCMW-6
	Sample ID	40-3/25/92	41-3/25/92	42-3/25/92	43-3/25/92	B-1-4-5	B-1-14-15	B-1-17-18	B-1-24-25	B-1-39-40	B-1-COMP	BT-S S-3	BT-S S-8	BT-W S-3	BT-W S-7	HCMW-5 S-1	HCMW-5 S-7	HCMW-5 S-10	HCMW-6 S-1	HCMW-6 S-5
	Date	3/25/1992	3/25/1992	3/25/1992	3/25/1992	8/24/1990	8/24/1990	8/24/1990	8/24/1990	8/24/1990	8/24/1990	10/7/1999	10/8/1999	10/7/1999	10/8/1999	10/5/1999	10/5/1999	10/5/1999	10/4/1999	10/4/1999
	Depth (feet)					4 - 5	14 - 15	17 - 18	24 - 25	39 - 40	4 - 10	12.5	32.5	12	30	2.5	22.5	30	2.5	22.5
Analyte	Unit							Dup of B-1-14-15			Comp 4-5 and 9-10									
Conventionals																				
pH	--																			
Total Organic Carbon	%																	0.09		0.07
Total Solids	%											94.9	78.9	91	78.9	92.8	93.7	75.5	96.9	95.2
Phenols																				
Phenol	µg/kg					170 U	170 U	170 U	170 U	170 U										
2-Chlorophenol	µg/kg					170 U	170 U	170 U	170 U	170 U										
2,4-Dichlorophenol	µg/kg					170 U	170 U	170 U	170 U	170 U										
2,4,5-Trichlorophenol	µg/kg					850 U	850 U	850 U	850 U	850 U										
2,4,6-Trichlorophenol	µg/kg					170 U	170 U	170 U	170 U	170 U		50 U	500 U	5000 U	50000 U	5 U	5 U	5 U	50 U	5 U
Total Tetrachlorophenols	µg/kg											30 J	1400	4000 J	40000 J	5 U	5 U	5 U	50 U	5 U
Pentachlorophenol	µg/kg	6400 J	6000 J	1900000 J	31000	3900	850 U	850 U	290	2400	3900	1200	40000	110000	1400000	33	11	2 J	390	5 U
2-Nitrophenol	µg/kg					170 U	170 U	170 U	170 U	170 U										
4-Nitrophenol	µg/kg					850 U	850 U	850 U	850 U	850 U										
2,4-Dinitrophenol	µg/kg					850 U	850 U	850 U	850 U	850 U										
2-Methylphenol	µg/kg					170 U	170 U	170 U	170 U	170 U										
4-Methylphenol	µg/kg					170 U	170 U	170 U	170 U	170 U										
2,4-Dimethylphenol	µg/kg					170 U	170 U	170 U	170 U	170 U										
TPH																				
Diesel	µg/kg											20000 J	25000 U	25000 U	25000 U	25000 U		25000 U		
Diesel Range Organics	µg/kg																			
Heavy Fuel Oil	µg/kg											100000 U	100000 U	100000 U	100000 U	100000 U		100000 U		
Jet Fuel as Jet A	µg/kg											25000 U	25000 U	25000 U	25000 U	25000 U		25000 U		
Kerosene	µg/kg											25000 U	25000 U	25000 U	25000 U	25000 U		25000 U		
Lube Oil	µg/kg											100000 U	100000 U	100000 U	100000 U	100000 U		100000 U		
Mineral Spirits	µg/kg											25000 U	25000 U	25000 U	25000 U	25000 U		25000 U		
Non-PHC as Diesel	µg/kg											100000 U	100000 U	100000 U	100000 U	100000 U		100000 U		
Oil Range Organics	µg/kg																			
PHC as Diesel	µg/kg											100000 U	2900000	4900000	56000000	100000 U		100000 U		
PAHs																				
2-Methylnaphthalene	µg/kg					170 U	170 U	170 U	170 U	170 U										
Acenaphthene	µg/kg	46 J	390 U	900 U	450 U	170 U	170 U	170 U	170 U	170 U	170 U									
Acenaphthylene	µg/kg					170 U	170 U	170 U	170 U	170 U	170 U									
Anthracene	µg/kg	870	375	900 U	450 J	170 U	170 U	170 U	170 U	170 U	170 U									
Benzo(a)anthracene	µg/kg	2600	390 U	2600 J	450 U	170 U	170 U	170 U	170 U	170 U	170 U									
Benzo(a)pyrene	µg/kg	2300 J	390 U	570 J	450 UJ	170 U	170 U	170 U	170 U	170 U	170 U									
Benzo(b)fluoranthene	µg/kg	8200 J	180 J	1200 J	310 J	170 U	170 U	170 U	170 U	170 U	170 U									
Benzo(g,h,i)perylene	µg/kg					170 U	170 U	170 U	170 U	170 U	170 U									
Benzo(k)fluoranthene	µg/kg					170 U	170 U	170 U	170 U	170 U	170 U									
Carbazole	µg/kg	2400 J	2000 UJ	4600 UJ	2300 UJ															
Chrysene	µg/kg	2600	170 J	2400 J	390 J	170 U	170 U	170 U	170 U	170 U	170 U									
Dibenz(a,h)anthracene	µg/kg	1200 J	390 U	160 J	1100 UJ	170 U	170 U	170 U	170 U	170 U	170 U									
Dibenzofuran	µg/kg					170 U	170 U	170 U	170 U	170 U										
Fluoranthene	µg/kg	9200	160 J	5700 J	310 J	170 U	170 U	170 U	170 U	170 U	170 U									
Fluorene	µg/kg	110 J	390 U	900 U	450 U	170 U	170 U	170 U	170 U	170 U	170 U									
Indeno(1,2,3-cd)pyrene	µg/kg					170 U	170 U	170 U	170 U	170 U	170 U									
Naphthalene	µg/kg					170 U	170 U	170 U	170 U	170 U	170 U									
Phenanthrene	µg/kg					170 U	170 U	170 U	170 U	170 U	170 U									
Pyrene	µg/kg	7600 J	260 J	13000 J	770 J	240	170 U	170 U	170 U	170 U	240									
Total PAHs (calculated)	µg/kg	34726	1145	25630	2230	240	170 U	170 U	170 U	170 U	240									

Table 5-1. Historical Soil Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	HCMW-6	HCMW-6	HCMW-7	L-1	L-1	L-1	L-2(A)	L-2(A)	L-2	L-2	L-2	L-3	L-3	L-3	MW-1	MW-1	MW-1	SB-02	SB-02
	Sample ID	HCMW-6 S-9	HCMW-6 S-10	HCMW-7 S-9	L-1,S-1	L-1,S-2	L-1,S-3	L-2(A),S-2	L-2(A),S-3	L-2,S-1	L-2,S-2	L-2,S-3	L-3,S-1	L-3,S-2	L-3,S-3	MW-1-3-4	MW-1-8-9	MW-1-23-24	SB-02 S-1	SB-02 S-5/7
	Date	10/4/1999	10/4/1999	10/7/1999	12/7/2000	12/7/2000	12/7/2000	12/6/2000	12/6/2000	12/6/2000	12/6/2000	12/6/2000	12/7/2000	12/7/2000	12/7/2000	8/24/1990	8/24/1990	8/24/1990	10/6/1999	10/6/1999
	Depth (feet)	35	37.5	42.5	6 - 7.5	12 - 13.5	18 - 19.5	15 - 16.5	23 - 24.5	6 - 7.5	12 - 13.5	18 - 19.5	5 - 6.5	12 - 13.5	16 - 17.5	3 - 4	8 - 9	23 - 24	2.5	17.5 - 22.5
Analyte	**Unit**																			
Conventionals																				
pH	--																			
Total Organic Carbon	%		0.07																	0.12
Total Solids	%	95.7	88.5	82	89.4	96.2	91.7	95.5	82.7	91.7	93.1	94.3	92.3	93.2	94.2				95.9	91.3
Phenols																				
Phenol	µg/kg															170 U	170 U	170 U		
2-Chlorophenol	µg/kg															170 U	170 U	170 U		
2,4-Dichlorophenol	µg/kg															170 U	170 U	170 U		
2,4,5-Trichlorophenol	µg/kg															850 U	850 U	850 U		
2,4,6-Trichlorophenol	µg/kg	5 U	5 U	5 U												170 U	170 U	170 U	50 U	5 U
Total Tetrachlorophenols	µg/kg	5 U	5 U	5 U															50 U	5 U
Pentachlorophenol	µg/kg	5 U	2 J	1 J	340	180	200	11	9	99	32	44	3200	440	140	8200	850 U	850 U	160	1 J
2-Nitrophenol	µg/kg															170 U	170 U	170 U		
4-Nitrophenol	µg/kg															850 U	850 U	850 U		
2,4-Dinitrophenol	µg/kg															850 U	850 U	850 U		
2-Methylphenol	µg/kg															170 U	170 U	170 U		
4-Methylphenol	µg/kg															170 U	170 U	170 U		
2,4-Dimethylphenol	µg/kg															170 U	170 U	170 U		
TPH																				
Diesel	µg/kg																			
Diesel Range Organics	µg/kg																			
Heavy Fuel Oil	µg/kg																			
Jet Fuel as Jet A	µg/kg																			
Kerosene	µg/kg																			
Lube Oil	µg/kg																			
Mineral Spirits	µg/kg																			
Non-PHC as Diesel	µg/kg																			
Oil Range Organics	µg/kg																			
PHC as Diesel	µg/kg																			
PAHs																				
2-Methylnaphthalene	µg/kg															170 U	170 U	170 U		
Acenaphthene	µg/kg															170 U	170 U	170 U		
Acenaphthylene	µg/kg															170 U	170 U	170 U		
Anthracene	µg/kg															170 U	170 U	170 U		
Benzo(a)anthracene	µg/kg															170 U	170 U	170 U		
Benzo(a)pyrene	µg/kg															170 U	170 U	170 U		
Benzo(b)fluoranthene	µg/kg															170 U	170 U	170 U		
Benzo(g,h,i)perylene	µg/kg															170 U	170 U	170 U		
Benzo(k)fluoranthene	µg/kg															170 U	170 U	170 U		
Carbazole	µg/kg																			
Chrysene	µg/kg															170 U	170 U	170 U		
Dibenz(a,h)anthracene	µg/kg															170 U	170 U	170 U		
Dibenzofuran	µg/kg															170 U	170 U	170 U		
Fluoranthene	µg/kg															170 U	170 U	170 U		
Fluorene	µg/kg															170 U	170 U	170 U		
Indeno(1,2,3-cd)pyrene	µg/kg															170 U	170 U	170 U		
Naphthalene	µg/kg															170 U	170 U	170 U		
Phenanthrene	µg/kg															170 U	170 U	170 U		
Pyrene	µg/kg															170 U	170 U	170 U		
Total PAHs (calculated)	µg/kg															170 U	170 U	170 U		

Table 5-1. Historical Soil Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Analyte	Unit	SB-02	SB-03	SB-03	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-06	SB-06	SB-06	SB-07	SB-07	SB-08	SB-08	SB-08	SB-09	SB-10
Sample ID		SB-02 S-9	SB-03 S-8	SB-03 S-11	SB-04 S-2	SB-04 S-3	SB-04 S-10	SB-05 S-1	SB-05 S-4	SB-05 S-13	SB-06 S-1	SB-06 S-6	SB-06 S-10	SB-07 S-1	SB-07 S-4	SB-08 S-1	SB-08 S-8	SB-08 S-9	SB-09 S-7	SB-10 S-2
Date		10/6/1999	10/5/1999	10/5/1999	10/7/1999	10/7/1999	10/7/1999	10/4/1999	10/4/1999	10/4/1999	10/5/1999	10/5/1999	10/5/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	12/8/2000	12/8/2000
Depth (feet)		27.5	25	32.5	7.5	12.5	37.5	2.5	10	32.5	2.5	15	32.5	2.5	17.5	2.5	25	27.5	24 - 28	4 - 8
Conventionals																				
pH	--																			
Total Organic Carbon	%			0.09		0.09				0.09										
Total Solids	%	81.4	93.4	81	95	95	83.8	83.7	72.9	77	90.2	92.5	75.6	86.6	94.6	90.1	94	84.5	76	96.6
Phenols																				
Phenol	µg/kg																			
2-Chlorophenol	µg/kg																			
2,4-Dichlorophenol	µg/kg																			
2,4,5-Trichlorophenol	µg/kg																			
2,4,6-Trichlorophenol	µg/kg	50 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U	5 U	500 U	5000 U	500 U	500 U	50 U	500 U	5 U	50 U		
Total Tetrachlorophenols	µg/kg	50 U	5 U	5 U	5 U	5 U	5 U	10000	5 U	5 U	500 U	35000	500 U	300 J	50 U	500 U	5 U	50 U		
Pentachlorophenol	µg/kg	690	7	20	18	25	23	110000	16	5	5700	560000	780	7000	420	19000	2 J	190	5.1 J	130000
2-Nitrophenol	µg/kg																			
4-Nitrophenol	µg/kg																			
2,4-Dinitrophenol	µg/kg																			
2-Methylphenol	µg/kg																			
4-Methylphenol	µg/kg																			
2,4-Dimethylphenol	µg/kg																			
TPH																				
Diesel	µg/kg	25000 U					25000 U					17000000	170000					25000 U		
Diesel Range Organics	µg/kg																		32000 U	2900000
Heavy Fuel Oil	µg/kg	100000 U					100000 U					100000 U	100000 U					100000 U		
Jet Fuel as Jet A	µg/kg	25000 U					25000 U					25000 U	25000 U					25000 U		
Kerosene	µg/kg	25000 U					25000 U					25000 U	25000 U					25000 U		
Lube Oil	µg/kg	100000 U					100000 U					100000 U	100000 U					100000 U		
Mineral Spirits	µg/kg	25000 U					25000 U					25000 U	25000 U					25000 U		
Non-PHC as Diesel	µg/kg	100000 U					100000 U					100000 U	100000 U					100000 U		
Oil Range Organics	µg/kg																		130000 U	280000
PHC as Diesel	µg/kg	100000 U					100000 U					100000 U	100000 U					100000 U		
PAHs																				
2-Methylnaphthalene	µg/kg																			
Acenaphthene	µg/kg											58000	84							
Acenaphthylene	µg/kg											1200	3 J							
Anthracene	µg/kg											31000	87							
Benzo(a)anthracene	µg/kg											8900	41							
Benzo(a)pyrene	µg/kg											3700	17							
Benzo(b)fluoranthene	µg/kg											2900	14							
Benzo(g,h,i)perylene	µg/kg											1100	6							
Benzo(k)fluoranthene	µg/kg											4100	17							
Carbazole	µg/kg																			
Chrysene	µg/kg											9100	43							
Dibenz(a,h)anthracene	µg/kg											600	5 U							
Dibenzofuran	µg/kg																			
Fluoranthene	µg/kg											51000	220							
Fluorene	µg/kg											68000	140							
Indeno(1,2,3-cd)pyrene	µg/kg											1600	9							
Naphthalene	µg/kg											68000	9							
Phenanthrene	µg/kg											150000	380							
Pyrene	µg/kg											39000	150							
Total PAHs (calculated)	µg/kg																			

Table 5-1. Historical Soil Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	SB-10	SB-10	SB-12	SB-12	SB-12	SB-13	SB-14	SB-15	SB-17	SB-18	SB-18	SB-19	SB-21	SB-22	SB-23	SB-24	SB-25	SB-25	SB-25
	Sample ID	SB-10 S-4	SB-10 S-5	SB-12 S-4	SB-12 S-6	SB-12 S-8	SB-13 S-4	SB-14 S-5	SB-15 S-3	SB-17 S-5	SB-18 S-6	SB-18 S-8	SB-19 S-3	SB-21 S-8	SB-22 S-8	SB-23 S-7	SB-24 S-5	SB-25 S-4	SB-25 S-6	SB-25 S-8
	Date	12/8/2000	12/8/2000	12/8/2000	12/8/2000	12/8/2000	12/8/2000	12/11/2000	12/11/2000	12/11/2000	12/11/2000	12/11/2000	12/11/2000	12/11/2000	12/12/2000	12/12/2000	12/12/2000	12/12/2000	12/12/2000	12/12/2000
	Depth (feet)	12 - 16	24.8 - 27	12 - 16	20 - 24	28 - 32	12 - 16	16 - 20	8 - 12	16 - 20	20 - 24	28 - 32	8 - 12	28 - 32	28 - 32	24 - 28	16 - 20	12 - 16	20 - 24	28 - 32
Analyte	**Unit**																			
Conventionals																				
pH	--																			
Total Organic Carbon	%																			
Total Solids	%	96.1	95.1	89	96.2	76	95.2	96.2	86	95.8	92.1	78.1	97.2	78.5	81	91.7	95.8	96.4	94.9	80.3
Phenols																				
Phenol	µg/kg																			
2-Chlorophenol	µg/kg																			
2,4-Dichlorophenol	µg/kg																			
2,4,5-Trichlorophenol	µg/kg																			
2,4,6-Trichlorophenol	µg/kg																			
Total Tetrachlorophenols	µg/kg																			
Pentachlorophenol	µg/kg	140000	350	310000	390	5 U	13 J	28000	32000	5 U	1100	11 J	6.3 J	1100000	5 U	510	1600	5 U	280000	1400000
2-Nitrophenol	µg/kg																			
4-Nitrophenol	µg/kg																			
2,4-Dinitrophenol	µg/kg																			
2-Methylphenol	µg/kg																			
4-Methylphenol	µg/kg																			
2,4-Dimethylphenol	µg/kg																			
TPH																				
Diesel	µg/kg																			
Diesel Range Organics	µg/kg	4900000	8900000	8400000	5300000	31000 U	25000 U	3900000	1800000	25000 U	49000	6000 J	24000 U	1.5E+07	29000 U	5500000	2500000	25000 U	5400000	3.3E+07
Heavy Fuel Oil	µg/kg																			
Jet Fuel as Jet A	µg/kg																			
Kerosene	µg/kg																			
Lube Oil	µg/kg																			
Mineral Spirits	µg/kg																			
Non-PHC as Diesel	µg/kg																			
Oil Range Organics	µg/kg	350000	570000	640000	600000	120000 U	99000 U	410000	290000	98000 U	110000 U	130000 U	97000 U	710000	110000 U	250000	300000	100000 U	240000	1600000
PHC as Diesel	µg/kg																			
PAHs																				
2-Methylnaphthalene	µg/kg								21000		46									110000
Acenaphthene	µg/kg								8100		33									31000
Acenaphthylene	µg/kg								160		2.8									2400
Anthracene	µg/kg								3300		81									25000
Benzo(a)anthracene	µg/kg								1200		13									7900
Benzo(a)pyrene	µg/kg								740		6.2									3900
Benzo(b)fluoranthene	µg/kg								740		6.6									3100
Benzo(g,h,i)perylene	µg/kg								440		2.7									1300
Benzo(k)fluoranthene	µg/kg								650		6.9									3700
Carbazole	µg/kg																			
Chrysene	µg/kg								1200		13									9300
Dibenz(a,h)anthracene	µg/kg								360		2.7 U									580
Dibenzofuran	µg/kg								5400		77									21000
Fluoranthene	µg/kg								5300		130									42000
Fluorene	µg/kg								7500		140									42000
Indeno(1,2,3-cd)pyrene	µg/kg								530		3.3									1800
Naphthalene	µg/kg								18000		22									53000
Phenanthrene	µg/kg								14000		360									110000
Pyrene	µg/kg								4400		120									32000
Total PAHs (calculated)	µg/kg																			

Table 5-1. Historical Soil Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	SB-26	SB-27	SB-27	SB-28	SB-28	SB-29	SB-29	SB-29	SB-29	SB-29	SB-30	SB-30	SB-31	SB-32	SB-32	SB-33	SB-34	SB-34	SS-1
	Sample ID	SB-26 S-7	SB-27 S-5	SB-27 S-8	SB-28 S-4	SB-28 S-7	SB-29 S-5	SB-29 S-7	SB-29 S-9	SB-29 S-11	SB-29 S-13	SB-30 S-6	SB-30 S-9	SB-31 S-7	SB-32 S-4	SB-32 S-7	SB-33 S-7	SB-34 S-6	SB-34 S-10	SS-1-S
	Date	12/12/2000	12/12/2000	12/12/2000	12/12/2000	12/12/2000	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	1/15/2001	10/1/1999
	Depth (feet)	24 - 28	16 - 20	28 - 32	12 - 16	24 - 28	16 - 20	24 - 28	32 - 36	40 - 44	48 - 52	20 - 24	33 - 35.5	24 - 28	12 - 16	24 - 28	28 - 32	20 - 24	36 - 40	0.2
Analyte	**Unit**																			
Conventionals																				
pH	--																			5.73
Total Organic Carbon	%																			
Total Solids	%	81.9	96.3	80.5	95.3	84.4	96.1	91	75.9	77	73.2	94.7	74.1	90.9	96	87.5	76.3	95.1	80.7	95.6
Phenols																				
Phenol	µg/kg																			
2-Chlorophenol	µg/kg																			
2,4-Dichlorophenol	µg/kg																			
2,4,5-Trichlorophenol	µg/kg																			
2,4,6-Trichlorophenol	µg/kg																			500 U
Total Tetrachlorophenols	µg/kg						15 U	15 U	18 U	18 U	19 U	15000 U	20000 U	16 U	15 U	1600 U	1900 U	15 U	180 U	500 U
Pentachlorophenol	µg/kg	18000	25 J	1300000	330	34000	14	12	100	230	6.4 U	85000	980000	9.6	9.6	9700	5600	100	920	6000
2-Nitrophenol	µg/kg																			
4-Nitrophenol	µg/kg																			
2,4-Dinitrophenol	µg/kg																			
2-Methylphenol	µg/kg																			
4-Methylphenol	µg/kg																			
2,4-Dimethylphenol	µg/kg																			
TPH																				
Diesel	µg/kg																			25000 U
Diesel Range Organics	µg/kg	6000000	24000 U	1.9E+07	170000	4300000	24000 U	27000 U	32000 U	32000 U	33000 U	6600000	2.9E+07	10000 J	6000 J	1.3E+07	7700000	8000 J	10000 J	
Heavy Fuel Oil	µg/kg																			100000 U
Jet Fuel as Jet A	µg/kg																			25000 U
Kerosene	µg/kg																			25000 U
Lube Oil	µg/kg																			630000
Mineral Spirits	µg/kg																			25000 U
Non-PHC as Diesel	µg/kg																			100000 U
Oil Range Organics	µg/kg	370000	98000 U	850000	40000 J	200000	97000 U	110000 U	130000 U	130000 U	130000 U	290000	980000	100000 U	100000 U	750000	430000	100000 U	120000 U	
PHC as Diesel	µg/kg																			100000 U
PAHs																				
2-Methylnaphthalene	µg/kg						6.6 U				6.8 U		15000						7.8	
Acenaphthene	µg/kg						6.6 U				6.8 U		2900						6.2 U	
Acenaphthylene	µg/kg						6.6 U				6.8 U		340 U						6.2 U	
Anthracene	µg/kg						6.6 U				6.8 U		1500						6.2 U	
Benzo(a)anthracene	µg/kg						6.6 U				6.8 U		580						6.2 U	
Benzo(a)pyrene	µg/kg						6.6 U				6.8 U		340 U						6.2 U	
Benzo(b)fluoranthene	µg/kg						6.6 U				6.8 U		340 U						6.2 U	
Benzo(g,h,i)perylene	µg/kg						6.6 U				6.8 U		340 U						6.2 U	
Benzo(k)fluoranthene	µg/kg						6.6 U				6.8 U		340 U						6.2 U	
Carbazole	µg/kg						7 U				7 U		400 U						7 U	
Chrysene	µg/kg						6.6 U				6.8 U		1500						6.2 U	
Dibenz(a,h)anthracene	µg/kg						6.6 U				6.8 U		340 U						6.2 U	
Dibenzofuran	µg/kg						6.6 U				6.8 U		2400						12	
Fluoranthene	µg/kg						6.6 U				6.8 U		2300						6.2 U	
Fluorene	µg/kg						6.6 U				6.8 U		26000						13	
Indeno(1,2,3-cd)pyrene	µg/kg						6.6 U				6.8 U		340 U						6.2 U	
Naphthalene	µg/kg						6.6 U				6.8 U		3800						6.2 U	
Phenanthrene	µg/kg						6.6 U				6.8 U		60000						24	
Pyrene	µg/kg						6.6 U				6.8 U		4400						6.2 U	
Total PAHs (calculated)	µg/kg																			

Table 5-1. Historical Soil Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	SS-1	SS-1	SS-2	SS-2	SS-3	SS-3	SS-4	SS-4	SS-5	SS-5	SS-6	SS-6
	Sample ID	SS-1-S	SS-1-D	SS-2-S	SS-2-D	SS-3-S	SS-3-D	SS-4-S	SS-4-D	SS-5-S	SS-5-D	SS-6-S	SS-6-D
	Date	10/4/1999	10/8/1999	10/1/1999	10/8/1999	10/1/1999	10/8/1999	10/1/1999	10/8/1999	10/1/1999	10/8/1999	10/7/1999	10/7/1999
	Depth (feet)	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8
Analyte	**Unit**												
Conventionals													
pH	--		6.84	8.67	7.12			6.08	6.05	5.29	5.69		
Total Organic Carbon	%	1.59		0.49				1.15					
Total Solids	%		94.4	96.8	94.2	90.2	92.9	92.2	93.4	90.6	92.4	93.7	94.1
Phenols													
Phenol	µg/kg												
2-Chlorophenol	µg/kg												
2,4-Dichlorophenol	µg/kg												
2,4,5-Trichlorophenol	µg/kg												
2,4,6-Trichlorophenol	µg/kg		50 U	50 U	500 U	500 U	5000 U	500 U	50 U	500 U	5 U	5 U	5 U
Total Tetrachlorophenols	µg/kg		50 U	50 U	200 J	1700	5000 U	500 U	50 U	500 U	9.6	5 U	5 U
Pentachlorophenol	µg/kg		150	330	3200	90000	16000	5300	590	9300	96	22	15
2-Nitrophenol	µg/kg												
4-Nitrophenol	µg/kg												
2,4-Dinitrophenol	µg/kg												
2-Methylphenol	µg/kg												
4-Methylphenol	µg/kg												
2,4-Dimethylphenol	µg/kg												
TPH													
Diesel	µg/kg		25000 U	25000 U	25000 U								
Diesel Range Organics	µg/kg												
Heavy Fuel Oil	µg/kg		100000 U	100000 U	100000 U								
Jet Fuel as Jet A	µg/kg		25000 U	25000 U	25000 U								
Kerosene	µg/kg		25000 U	25000 U	25000 U								
Lube Oil	µg/kg		60000 J	190000	100000 U								
Mineral Spirits	µg/kg		25000 U	25000 U	25000 U								
Non-PHC as Diesel	µg/kg		100000 U	100000 U	100000 U								
Oil Range Organics	µg/kg												
PHC as Diesel	µg/kg		100000 U	100000 U	1400000								
PAHs													
2-Methylnaphthalene	µg/kg												
Acenaphthene	µg/kg												
Acenaphthylene	µg/kg												
Anthracene	µg/kg												
Benzo(a)anthracene	µg/kg												
Benzo(a)pyrene	µg/kg												
Benzo(b)fluoranthene	µg/kg												
Benzo(g,h,i)perylene	µg/kg												
Benzo(k)fluoranthene	µg/kg												
Carbazole	µg/kg												
Chrysene	µg/kg												
Dibenz(a,h)anthracene	µg/kg												
Dibenzofuran	µg/kg												
Fluoranthene	µg/kg												
Fluorene	µg/kg												
Indeno(1,2,3-cd)pyrene	µg/kg												
Naphthalene	µg/kg												
Phenanthrene	µg/kg												
Pyrene	µg/kg												
Total PAHs (calculated)	µg/kg												

Notes

% = percent.

µg/kg = microgram per kilogram.

J = analyte is an estimated quantity.

PAHs = polycyclic aromatic hydrocarbons.

TPH = total petroleum hydrocarbons.

U = analyte not detected above the laboratory reporting limit.

UJ = analyte not detected above the estimated laboratory reporting limit.

Table 5-2. Historical Soil Data: Semivolatile Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	B-1		B-1		B-1		B-1		B-1		MW-1		MW-1		MW-1	
	Sample ID	B-1-4-5		B-1-14-15		B-1-17-18		B-1-24-25		B-1-39-40		MW-1-3-4		MW-1-8-9		MW-1-23-24	
	Date	8/24/1990		8/24/1990		8/24/1990		8/24/1990		8/24/1990		8/24/1990		8/24/1990		8/24/1990	
	Depth (feet)	4 - 5		14 - 15		17 - 18		24 - 25		39 - 40		3 - 4		8 - 9		23 - 24	
Analyte	**Unit**																
Semivolatile																	
1,2,4-Trichlorobenzene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
1,2-Dichlorobenzene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
1,3-Dichlorobenzene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
1,4-Dichlorobenzene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
2,4-Dinitrotoluene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
2,6-Dinitrotoluene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
2-Chloronaphthalene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
2-Nitroaniline	µg/kg	850	U	850	U	850	U	850	U	850	U	850	U	850	U	850	U
3,3'-Dichlorobenzidine	µg/kg	340	U	340	U	340	U	340	U	340	U	340	U	340	U	340	U
3-Nitroaniline	µg/kg	850	U	850	U	850	U	850	U	850	U	850	U	850	U	850	U
4,6-Dinitro-2-methylphenol	µg/kg	850	U	850	U	850	U	850	U	850	U	850	U	850	U	850	U
4-Bromophenyl-phenylether	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
4-Chloro-3-methylphenol	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
4-Chloroaniline	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
4-Chlorophenyl-phenylether	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
4-Nitroaniline	µg/kg	850	U	850	U	850	U	850	U	850	U	850	U	850	U	850	U
Aniline	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Benzidine	µg/kg	1700	U	1700	U	1700	U	1700	U	1700	U	1700	U	1700	U	1700	U
Benzoic acid	µg/kg	850	U	850	U	850	U	850	U	850	U	850	U	850	U	850	U
Benzyl alcohol	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Bis(2-Chloroethoxy)methane	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Bis(2-Chloroethyl)ether	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Bis(2-Chloroisopropyl)ether	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Bis(2-ethylhexyl)phthalate	µg/kg	260	UJ	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Butylbenzylphthalate	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Diethylphthalate	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Dimethylphthalate	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Di-n-butylphthalate	µg/kg	170	U	170	U	170	U	730		170	U	170	U	170	U	170	U
Di-n-octylphthalate	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Hexachlorobenzene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Hexachlorobutadiene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Hexachlorocyclopentadiene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Hexachloroethane	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Isophorone	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
Nitrobenzene	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
N-Nitrosodimethylamine	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
N-Nitroso-di-n-propylamine	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U
N-Nitrosodiphenylamine	µg/kg	170	U	170	U	170	U	170	U	170	U	170	U	170	U	170	U

Notes

µg/kg = microgram per kilogram.

U = analyte not detected above the laboratory reportin

Table 5-3. Historical Soil Data: Dioxin/Furan Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-1		L-2		L-3		SB-06		SB-06		SB-21		SS-1		SS-2		SS-3	
	Sample ID	L-1,S-3		L-2,S-3		L-3,S-3		SB-06 S-10		SB-06 S-6		SB-21 S-8		SS-1-S		SS-2-S		SS-3-S	
	Date	12/7/2000		12/6/2000		12/7/2000		10/5/1999		10/5/1999		12/11/2000		10/1/1999		10/1/1999		10/1/1999	
	Depth (feet)	18 - 19.5		18 - 19.5		16 - 17.5		32.5		15		28 - 32		0.2		0.2		0.2	
Analyte	**Unit**																		
Dioxins and Furans																			
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.56	J	0.32	J	1.2		145.751	U	1295.2	U	45.8	U	80.664	U	18.88	U	101.885	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	9.7		4.6	J	16.8		276.127	U	2492.6	U	282		561.977		217.555		782.204	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	34.2		16.8		55.4		231.627	U	2084.4	U	981		1978.703		572.056		2462.608	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	125		63.2		166		155.949	U	2525.126		80870		6756.321		1114.27		6432.281	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	72.1		37		111		178.767	U	1608.7	U	6610		4290.938		1186.85		4966.084	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	4180	J	1900		5770	J	3762.36		247615.18		1402220	J	170847.53		25033		182350.84	
Octachlorodibenzo-p-dioxin (OCDD)	pg/g	38070	J	14900	J	47510	J	36606.5		3234410.1		4789890	J	1790474.2		224974		2061571.2	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	2.1	UJB	1.1	UJB	2.4	UJB	24.946	U	1976.8	U	1350		53.447	U	15.745	U	104.937	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.1	U	0.1	U	0.1	U	25.452	U	1902.3	U	39.9	U	175.286	U	49.34	U	221.371	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3.5	J	2.6	UJB	5.2		25.733	U	1923.3	U	4780		177.224	U	49.885	U	70.416	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	27.9		13.5		41.2		101.401	U	5832.58		15940		16510.265		1822.73		18169.019	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	13.9		7.4		24		76.049	U	1609.3	U	4220		1860.8	U	216.711	U	2328.7	U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.2	U	0.2	U	0.2	U	120.389	U	2547.6	U	41	U	2945.8	U	343.064	U	3686.5	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	24.9		12		42.8		88.919	U	1881.6	U	8680		2175.7	U	253.388	U	2722.8	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	575		227		883		330.047		30131.894		141550	J	28856.034		6772.99		35205.088	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	43.2		13.1		65		95.538	U	951.09	U	8110		2250.641		442.667	U	2850.065	
Octachlorodibenzofuran (OCDF)	pg/g	3090		694		3360		1470.59		244297.09		376520	J	198590.29		39257		376801.56	
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/g	3.7		1.8		6.1		145.751	U	1295.2	U	1500		80.664	U	18.88	U	101.885	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/g	28.6		16.3		57.5		276.127	U	2492.6	U	4410		377.461		359.029		1301.883	
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/g	644		321		862		155.949	U	1403.4	U	219400		32276.578		7181.28		30792.953	
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/g	7950	J	3470		9800	J	6646.42		483209.95		2664250		278368.74		42644.2		284578.85	
Tetrachlorodibenzofurans (TCDF), Total	pg/g	66.4	XJ	11.8	XJ	13.6	XJ	24.946	U	1976.8	U	7150		161.032		15.745	U	104.937	U
Pentachlorodibenzofurans (PeCDF), Total	pg/g	105	XJ	54.5	XJ	173	XJ	25.733	U	1923.3	U	56680		3661.078		1513.04		4190.273	
Hexachlorodibenzofurans (HxCDF), Total	pg/g	386	XJ	382	XJ	1320	XJ	71.695		4795.492		395790		28013.038		6858.55		26188.336	
Heptachlorodibenzofurans (HpCDF), Total	pg/g	2590		701	XJ	2990	UJX	67.837	U	30131.894		685620		31106.675		6772.99		38055.153	
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/g	45.991		36.4604		74.456		44.7318		3961.112		14618.2		5734.0482		1031.63		6444.1689	

Table 5-3. Historical Soil Data: Dioxin/Furan Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	SS-4		SS-5	
	Sample ID	SS-4-S		SS-5-S	
	Date	10/1/1999		10/1/1999	
	Depth (feet)	0.2		0.2	
Analyte	Unit				
Dioxins and Furans					
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	31.321		41.83	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	818.386		373.67	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2091.99		1616.624	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	5502.579		4655.186	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	4308.146		3160.4	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	123078.99		130647.61	
Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1187669.4		1485434.7	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	36.688	U	44.848	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	88.42	U	41.28	U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	89.397	U	41.736	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	10854.777		17151.356	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1100.1	U	1343.9	U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	1740.5	U	2127.4	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1286.3	U	1571.3	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	18584.005		20112.168	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	1399.748		3092.7	U
Octachlorodibenzofuran (OCDF)	pg/g	132389.16		181536.69	
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/g	31.321	U	41.83	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/g	1710.322		373.67	
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/g	27009.905		21675.546	
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/g	191921.92		210510.25	
Tetrachlorodibenzofurans (TCDF), Total	pg/g	117.771		51.319	
Pentachlorodibenzofurans (PeCDF), Total	pg/g	3988.866		2429.284	
Hexachlorodibenzofurans (HxCDF), Total	pg/g	18395.301		16099.486	
Heptachlorodibenzofurans (HpCDF), Total	pg/g	19983.753		20112.168	
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/g	4688.0895		4706.3216	

Notes

B = analyte was detected in the associated laboratory or field blank in addition to the sample.

J = analyte is an estimated quantity.

pg/g = picogram per gram.

U = analyte not detected above the laboratory reporting limit.

UJ = analyte not detected above the estimated laboratory reporting limit.

X = ion ratios did not meet criteria for dioxin identification and results are considered as undetected.

6. Historical Surface Water Data

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-01	CB-01	CB-01	CB-02	CB-03	CB-04	CB-05	CB-06	CB-01-06	CB-01-06	CB-07
	Sample ID	Drain #1	Drain #1-F	Drain #1	Drain #2	Drain #3	Drain #4	Drain #5	Drain #6	Drains 1-6	Drains 1-6	Drain #7
	Date	11/27/2000	11/27/2000	3/19/2001	3/19/2001	3/19/2001	3/19/2001	3/19/2001	3/19/2001	10/12/2000	1/19/2001	3/19/2001
Analyte	Unit		filtered									
Conventionals												
pH	--		6.62							5.95	6.74	
Total Suspended Solids	mg/L	77	34	172	300	96	152	204	690	273	593	108
Phenols												
2,4,6-Trichlorophenol	µg/L											
Total Tetrachlorophenols	µg/L											
Pentachlorophenol	µg/L		35	31	2.9	2.5	290	16	6.2	72	39	1.5
TPH												
Oil and Grease	µg/L									5000 U	5000 U	
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-07	CB-07	CB-08	CB-08	CB-08	CB-07-08	CB-07-08	CB-09	CB-10	CB-11	CB-12
	Sample ID	Drain 7	Drain 7	Drain #8	Drain 8	Drain 8	7-8	7-8	Drain #9	Drain #10	Drain #11	Drain #12
	Date	3/5/2002	4/8/2002	3/19/2001	3/5/2002	4/8/2002	10/1/2001	1/15/2002	3/19/2001	3/19/2001	3/19/2001	3/19/2001
Analyte	**Unit**											
Conventionals												
pH	--	6.98	6.55 J		6.45	5.88 J	6.27 J	6.53				
Total Suspended Solids	mg/L	86	472	144	248	380	75	480	512	1290	86	32
Phenols												
2,4,6-Trichlorophenol	µg/L											
Total Tetrachlorophenols	µg/L											
Pentachlorophenol	µg/L	11	7.8	2.6 J	9	9.5	0.2 UJ	65	4.7	2.7	1.7 J	110
TPH												
Oil and Grease	µg/L											
Diesel Range Organics (DRO)	µg/L	250 U	860 H		480 H	880 H	25000 J	4400				
Residual Range Organics (RRO)	µg/L	1100 O	4400 O		2000 O	4500 O	2200 J	7200				
PAHs												
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-07-12	CB-07-12	CB-13	CB-13	CB-13	CB-13	CB-13	CB-13	CB-14	CB-14	CB-14
	Sample ID	Drains 7-12	Drains 7-12	Drain 13	Drain 13	Drain 13	Drain 13-F	Drain #13	Drain #13-F	Drain 14	Drain 14	Drain 14
	Date	10/12/2000	1/19/2001	3/1/1998	3/11/1998	5/1/1998	10/12/2000	11/27/2000	11/27/2000	3/1/1998	3/11/1998	5/1/1998
Analyte	**Unit**						filtered		filtered			
Conventionals												
pH	--	6.35	6	7.19	7.18	7.06	6.66		6.7	7.56	7.56	7.45
Total Suspended Solids	mg/L	840	565	560	412	788	5 U	120	5 U	228	228	1400
Phenols												
2,4,6-Trichlorophenol	µg/L				5 U						5 U	
Total Tetrachlorophenols	µg/L				9						8	
Pentachlorophenol	µg/L	7.3	15	435	410	120	230		180	410	410	220
TPH												
Oil and Grease	µg/L	5000 U	6000	2500	5000 U	5000	5000 U			2500	5000 U	6000
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L				2 U						2 U	
Acenaphthylene	µg/L				30 U						15 U	
Anthracene	µg/L				0.2 U						0.2 U	
Benzo(a)anthracene	µg/L				0.7 U						0.2 U	
Benzo(a)pyrene	µg/L				1.8						0.5	
Benzo(b)fluoranthene	µg/L				2.5						0.9	
Benzo(g,h,i)perylene	µg/L				2 U						0.5 U	
Benzo(k)fluoranthene	µg/L				1.2						0.4	
Chrysene	µg/L				2.6						1 U	
Dibenz(a,h)anthracene	µg/L				0.6 U						0.2 U	
Fluoranthene	µg/L				11 U						5 U	
Fluorene	µg/L				2 U						1 U	
Indeno(1,2,3-cd)pyrene	µg/L				2 U						0.5 U	
Naphthalene	µg/L				2 U						2 U	
Phenanthrene	µg/L				5 U						2 U	
Pyrene	µg/L				30 U						17 U	
Total PAHs (calculated)	µg/L				8.1						1.8	

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14
	Sample ID	Drain 14-F	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14
	Date	10/12/2000	9/1/1994	11/1/1994	1/1/1995	3/1/1995	9/1/1995	11/1/1995	1/1/1996	3/1/1996	5/1/1996	9/1/1996
Analyte	**Unit**	**filtered**										
Conventionals												
pH	--	6.51	7.65	7.67	8.25	7.25	7.53	8.1	8.12	6.97	7.33	7.85
Total Suspended Solids	mg/L	5 U	538	410	2430	119	292	147.5	224	392	853.5	740
Phenols												
2,4,6-Trichlorophenol	µg/L											
Total Tetrachlorophenols	µg/L											
Pentachlorophenol	µg/L	370	49	160	570	65	560	39.5	310	110	210	50.5
TPH												
Oil and Grease	µg/L	5000 U	3000	1000	3000	1000	3000	3000	2500	2500	2500	2500
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14
	Sample ID	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drains 13-14	Drain 30	Drains 13-14	Drains 13-14	Drains 13-14	Drain 30
	Date	11/1/1996	1/1/1997	3/1/1997	5/1/1997	9/1/1997	9/18/1997	9/18/1997	11/1/1997	1/1/1998	1/8/1998	1/8/1998
Analyte	**Unit**							**Field dup**				**Field dup**
Conventionals												
pH	--	8.04	8.08	7.23	6.01	7.97	7.97	7.71	7.46	7.66	7.69	7.63
Total Suspended Solids	mg/L	774	2285	150.5	653.5	955	1020	890	284	544	676	412
Phenols												
2,4,6-Trichlorophenol	µg/L						0.5 U	0.5 U			0.5 U	0.5 U
Total Tetrachlorophenols	µg/L						2.3	2.5			4	5.1
Pentachlorophenol	µg/L	260	225	165	120	81	74	88	260	135	130	140
TPH												
Oil and Grease	µg/L	5000	2500	2500	5000	2500	5000 U	5000 U	2500	2500	5000 U	5000
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L						1 U	1 U			1 U	1 U
Acenaphthylene	µg/L						3 U	1 U			1 U	1 U
Anthracene	µg/L						0.1 U	0.1 U			0.1 U	0.1 U
Benzo(a)anthracene	µg/L						0.1 U	0.1 U			0.9	1.1
Benzo(a)pyrene	µg/L						0.1	0.1			1.3	1.6
Benzo(b)fluoranthene	µg/L						0.3	0.3			1.4	1.9
Benzo(g,h,i)perylene	µg/L						0.2 U	0.2 U			0.8	2 U
Benzo(k)fluoranthene	µg/L						0.1	0.1			0.6	0.8
Chrysene	µg/L						0.2	0.2			1.2	1.6
Dibenz(a,h)anthracene	µg/L						0.1 U	0.1 U			0.2 U	0.3 U
Fluoranthene	µg/L						0.3	0.3			5.1	3.3
Fluorene	µg/L						0.2 U	0.2 U			0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L						0.2	0.2			0.2 U	1.2
Naphthalene	µg/L						1 U	1 U			1 U	1 U
Phenanthrene	µg/L						0.2	0.2			2	3 U
Pyrene	µg/L						0.5	0.4			6.8	5 U
Total PAHs (calculated)	µg/L						1.9	1.8			20.1	11.5

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-13-14		CB-13-14		CB-13-14		CB-13-14		CB-13-14		CB-13-14		CB-13-14		CB-13-14		CB-13-14		CB-13-14	
	Sample ID	Drain 30		Drains 13-14		Drain 30		Drains 13-14		Drain 30		Drains 13-14		Drain 30		Drains 13-14		Drain 30		Drains 13-14		Drain 30
	Date	3/11/1998		11/17/1998		11/17/1998		1/21/1999		1/21/1999		3/25/1999		3/25/1999		5/20/1999		5/20/1999		10/13/1999		10/13/1999
Analyte	Unit	Field dup				Field dup				Field dup				Field dup				Field dup				Field dup
Conventionals																						
pH	--	7.22		7.31		8.35		7.69		7.74		7.15		7.36		6.88		7.04		7.77		7.7
Total Suspended Solids	mg/L	708		454		419		1030		1050		270		362		1270		1280		256		174
Phenols																						
2,4,6-Trichlorophenol	µg/L	5	U	0.5	U	0.5	U	5	U	5	U	50	U	50	U	50	U	50	U	1	U	1	U
Total Tetrachlorophenols	µg/L	10		6.1		6.2		15		12		50	U	50	U	50	U	50	U	4.3		4.3	
Pentachlorophenol	µg/L	460		180		180		480		430		180		200		210		220		130		120	
TPH																						
Oil and Grease	µg/L	5000	U	5000	U	5000	U	5000	U	5000	U	5000	U	5000	U	5000	U	5000		6000		6000	
Diesel Range Organics (DRO)	µg/L																					
Residual Range Organics (RRO)	µg/L																					
PAHs																						
Acenaphthene	µg/L	2	U	1	U	1	U	1	U	1	U	1	U	1	U	10	U	10	U	1	U	1	U
Acenaphthylene	µg/L	2	U	1	U	6	U	1	U	1	U	1	U	1	U	10	U	10	U	2	U	2	U
Anthracene	µg/L	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	1	U	1	U	0.1	U	0.1	
Benzo(a)anthracene	µg/L	0.8	U	0.3		0.2		0.4		0.3		0.1	U	0.1	U	1	U	1	U	0.2		0.3	
Benzo(a)pyrene	µg/L	2.2		0.6		0.4		0.7		0.5		0.3		0.3		1	U	1	U	0.3		0.3	
Benzo(b)fluoranthene	µg/L	3.1		0.8		0.6		0.8		0.7		0.4		0.5		2	U	2	U	0.5		0.5	
Benzo(g,h,i)perylene	µg/L	2.1		0.7		0.5		0.8		0.7		0.4		0.4		2	U	2	U	0.4		0.2	U
Benzo(k)fluoranthene	µg/L	1.4		0.3		0.2		0.3		0.2		0.2		0.2		1	U	1	U	0.2		0.2	
Chrysene	µg/L	3.4		0.8		0.5		1.3		1.1		0.6		0.6		1	U	1	U	0.4		0.4	
Dibenz(a,h)anthracene	µg/L	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	1	U	1	U	0.1		0.1	U
Fluoranthene	µg/L	13	U	0.3		0.2		0.2	U	0.2	U	3	U	3	U	2	U	2	U	0.2	U	0.2	U
Fluorene	µg/L	1.5	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	2	U	2	U	0.2	U	0.2	U
Indeno(1,2,3-cd)pyrene	µg/L	3	U	0.7		0.5		0.7		0.4		0.4		0.4		1	U	1	U	0.5		0.5	
Naphthalene	µg/L	2	U	3	U	1	U	1	U	1	U	1	U	1	U	10	U	10	U	1	U	1	U
Phenanthrene	µg/L	5	U	0.6	U	0.5	U	0.5		0.4		0.7		0.8		1.7	U	1	U	0.3		0.3	
Pyrene	µg/L	32	U	3	U	2	U	0.2	U	0.2	U	4	U	4	U	10	U	10	U	2	U	2	U
Total PAHs (calculated)	µg/L	12.2		4.5		3.1		5.5		4.3		3		3.2		10	U	10	U	2.9		2.6	

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-16	CB-16	CB-16	CB-17	CB-17	CB-18	CB-18
	Sample ID	Drains 13-14	Drain 30	Drains 13-14	Drain 30	Drain 16	Drain 16	Drain #16	Drain 17	Drain #17	Drain 18	Drain 18
	Date	3/28/2000	3/28/2000	4/25/2000	4/25/2000	10/12/2000	1/19/2001	3/19/2001	1/19/2001	3/19/2001	10/12/2000	1/19/2001
Analyte	Unit		Field dup		Field dup							
Conventionals												
pH	--	7.17	7.11	6.74	6.96	6.5	6.87		7.39		6.54	7.7
Total Suspended Solids	mg/L	1080	1220	81	127	5 U	52	210	412	78	3640	1420
Phenols												
2,4,6-Trichlorophenol	µg/L	1 U	5 U	0.5 U	0.5 U							
Total Tetrachlorophenols	µg/L	8.9	8.4	2.6	1.8							
Pentachlorophenol	µg/L	280	280	56	42	30	4.8	260	3.5	2	1.4	7.4
TPH												
Oil and Grease	µg/L	6000	5000 U	5000 U	6000	5000 U	5000 U		5000 U		5000 U	5000 U
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L	1 U	1 U	1 U	1 U							
Acenaphthylene	µg/L	6.4 U	8.6 U	1 U	1 U							
Anthracene	µg/L	0.5	0.46	0.1 U	0.1 U							
Benzo(a)anthracene	µg/L	0.71	0.69	0.1 U	0.1 U							
Benzo(a)pyrene	µg/L	0.71	0.58	0.12	0.14							
Benzo(b)fluoranthene	µg/L	1.3	1	0.31	0.33							
Benzo(g,h,i)perylene	µg/L	1.2	1 U	0.24	0.31							
Benzo(k)fluoranthene	µg/L	0.47	0.4	0.1 U	0.1 U							
Chrysene	µg/L	1.7	1.4	0.18	0.17							
Dibenz(a,h)anthracene	µg/L	0.28	0.1 U	0.1 U	0.1 U							
Fluoranthene	µg/L	0.97	0.82	0.2 U	0.2 U							
Fluorene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U							
Indeno(1,2,3-cd)pyrene	µg/L	0.69	0.61	0.19	0.17							
Naphthalene	µg/L	1 U	1 U	1 U	1 U							
Phenanthrene	µg/L	0.5	0.42	0.2	0.19							
Pyrene	µg/L	2.2 U	1.8 U	0.46	0.53							
Total PAHs (calculated)	µg/L	9.03	6.38	1.7	1.84							

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-18	CB-19	CB-20	CB-21	CB-19-21	CB-19-21	CB-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22
	Sample ID	Drain #18	Drain #19	Drain #20	Drain #21	Drains 19-21	Drains 19-21	Drain #22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22
	Date	3/19/2001	3/19/2001	3/19/2001	3/19/2001	10/12/2000	1/19/2001	3/19/2001	9/1/1994	3/1/1995	9/1/1995	12/1/1995
Analyte	**Unit**											
Conventionals												
pH	--					6.3	6.98		7.22	7.86	7.46	7.31
Total Suspended Solids	mg/L	1090	53	190	260	14	40	352	456	19900	1480	1080
Phenols												
2,4,6-Trichlorophenol	µg/L											
Total Tetrachlorophenols	µg/L											
Pentachlorophenol	µg/L	12	4.7	30	18	4.8	11	27	7	34	18	73
TPH												
Oil and Grease	µg/L					5000 U	5000 U		2500	2500	1000	2000
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22
	Sample ID	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22
	Date	3/1/1996	9/1/1996	12/1/1996	3/1/1997	9/1/1997	9/18/1997	12/1/1997	1/8/1998	3/1/1998	3/11/1998	11/17/1998
Analyte	**Unit**											
Conventionals												
pH	--	7.26	7.63	7.16	7.66	7.09	7.09	7.21	7.61	7.29	7.29	8.22
Total Suspended Solids	mg/L	1800	1200	1300	7020	640	640	2160	6700	1370	1370	422
Phenols												
2,4,6-Trichlorophenol	µg/L						0.5 U		0.5 U		1 U	0.5 U
Total Tetrachlorophenols	µg/L						2.7		1.9		2	2
Pentachlorophenol	µg/L	30	40	64.5	28	18	18	42	27.7	19	19	68
TPH												
Oil and Grease	µg/L	2500	2500	1500	2500	2500	10000	2500	13000	5000	5000	5000 U
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L						1 U		1 U		1 U	1 U
Acenaphthylene	µg/L						1 U		1 U		1 U	1 U
Anthracene	µg/L						0.1 U		0.1 U		0.1 U	0.1 U
Benzo(a)anthracene	µg/L						0.1 U		0.1 U		0.1 U	0.1 U
Benzo(a)pyrene	µg/L						0.1 U		0.1 U		0.1 U	0.1 U
Benzo(b)fluoranthene	µg/L						0.2 U		0.2 U		0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L						0.2 U		2 U		0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L						0.1 U		0.1 U		0.1 U	0.1 U
Chrysene	µg/L						0.1 U		0.1		0.1 U	0.1
Dibenz(a,h)anthracene	µg/L						0.1 U		0.1 U		0.1 U	0.1 U
Fluoranthene	µg/L						0.2 U		0.3 U		0.4 U	0.2 U
Fluorene	µg/L						0.2 U		0.2 U		0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L						0.1 U		0.1 U		0.1 U	0.1 U
Naphthalene	µg/L						1 U		1 U		1 U	1 U
Phenanthrene	µg/L						0.1 U		0.2		0.2 U	0.1 U
Pyrene	µg/L						0.2 U		1 U		0.2 U	0.4 U
Total PAHs (calculated)	µg/L						1 U		0.3		1 U	0.1

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-10-22	CB-20	CB-21	CB-22	CB-22	CB-22	CB-23
	Sample ID	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drains 10-22	Drain #20	Drain #21	Drain #22	Drain 22	Drain 22	Drain 23
	Date	12/1/1998	12/17/1998	3/25/1999	10/13/1999	3/28/2000	3/19/2001	3/19/2001	3/19/2001	10/12/2000	1/19/2001	9/1/1994
Analyte	**Unit**											
Conventionals												
pH	--	7.61	7.36	7.38	7.33	7.7				6.31	7.02	6.64
Total Suspended Solids	mg/L	6700	486	462	338	396	190	260	352	300	573	486
Phenols												
2,4,6-Trichlorophenol	µg/L		1 U	5 U	1 U	1 U						
Total Tetrachlorophenols	µg/L		1 U	5 U	1 U	0.86						
Pentachlorophenol	µg/L	27.7	16.3	41	35	42	30	18	27	0.74	28	670
TPH												
Oil and Grease	µg/L	13000	5000 U	5000 U	7000	5000 U				5000 U	5000 U	9000
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L		1 U	1 U	1 U	1 U						
Acenaphthylene	µg/L		1 U	1 U	1 U	1 U						
Anthracene	µg/L		0.1 U	0.1 U	0.1 U	0.1 U						
Benzo(a)anthracene	µg/L		0.1 U	0.1 U	0.1 U	0.1 U						
Benzo(a)pyrene	µg/L		0.2 U	0.1 U	0.1 U	0.1 U						
Benzo(b)fluoranthene	µg/L		0.2 U	0.2 U	0.2 U	0.2 U						
Benzo(g,h,i)perylene	µg/L		0.2 U	0.2 U	0.2 U	0.2 U						
Benzo(k)fluoranthene	µg/L		0.1 U	0.1 U	0.1 U	0.1 U						
Chrysene	µg/L		0.1 U	0.1	0.1 U	0.11						
Dibenz(a,h)anthracene	µg/L		0.1 U	0.1 U	0.1 U	0.1 U						
Fluoranthene	µg/L		0.2 U	3 U	0.2 U	0.2 U						
Fluorene	µg/L		0.2 U	0.2 U	0.2 U	0.2 U						
Indeno(1,2,3-cd)pyrene	µg/L		0.1 U	0.1 U	0.1 U	0.1 U						
Naphthalene	µg/L		1 U	1 U	1 U	1 U						
Phenanthrene	µg/L		0.1 U	0.2	0.1 U	0.12						
Pyrene	µg/L		0.2 U	3 U	0.2 U	0.2 U						
Total PAHs (calculated)	µg/L		1 U	0.3	1 U	0.23						

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23
	Sample ID	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23
	Date	11/1/1994	1/1/1995	3/1/1995	9/1/1995	11/1/1995	1/1/1996	3/1/1996	5/1/1996	9/1/1996	11/1/1996	1/1/1997
Analyte	**Unit**											
Conventionals												
pH	--	7.82	7.41	7.19	6.68	7.69	7.8	6.77	6.86	6.84	6.88	7.08
Total Suspended Solids	mg/L	280	830	392	636	196	380	788	3000	266	420	250
Phenols												
2,4,6-Trichlorophenol	µg/L											
Total Tetrachlorophenols	µg/L											
Pentachlorophenol	µg/L	400	840	660	770	650	690	650	260	130	750	380
TPH												
Oil and Grease	µg/L	4000	4000	3000	4000	3000	2500	6000	2500	2500	12000	5000
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23
	Sample ID	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23
	Date	3/1/1997	5/1/1997	9/1/1997	9/18/1997	11/1/1997	1/1/1998	1/8/1998	3/11/1998	3/1/1998	5/1/1998	11/17/1998
Analyte	**Unit**											
Conventionals												
pH	--	7.02	6.85	6.94	6.94	7.12	7.2	7.2	7.08	7.08	6.43	7.42
Total Suspended Solids	mg/L	122	253	113	113	216	98	98	564	564	21	20
Phenols												
2,4,6-Trichlorophenol	µg/L				50 U			0.5 U	5 U			0.5 U
Total Tetrachlorophenols	µg/L				50 U			8.7	12			6.6
Pentachlorophenol	µg/L	300	170	720	720	350	250	250	400	400	13	80
TPH												
Oil and Grease	µg/L	2500	2500	2500	5000 U	2500	5000	5000	5000	5000		5000 U
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L				1 U			1 U	1 U			1 U
Acenaphthylene	µg/L				1 U			1 U	35 U			3 U
Anthracene	µg/L				0.1 U			0.1 U	0.1 U			0.1 U
Benzo(a)anthracene	µg/L				0.1 U			0.1 U	0.1 U			0.1 U
Benzo(a)pyrene	µg/L				0.1 U			0.1 U	0.2 U			0.1 U
Benzo(b)fluoranthene	µg/L				0.2 U			0.2 U	0.2 U			0.2 U
Benzo(g,h,i)perylene	µg/L				0.2 U			2 U	0.2 U			0.2 U
Benzo(k)fluoranthene	µg/L				0.1 U			0.1 U	0.1 U			0.1 U
Chrysene	µg/L				0.1 U			0.1 U	0.2 U			0.1 U
Dibenz(a,h)anthracene	µg/L				0.1 U			0.1 U	0.1 U			0.1 U
Fluoranthene	µg/L				0.2 U			0.2 U	0.4 U			0.2 U
Fluorene	µg/L				0.2 U			0.2 U	0.7 U			0.2 U
Indeno(1,2,3-cd)pyrene	µg/L				0.1 U			0.1 U	0.1 U			0.1 U
Naphthalene	µg/L				1 U			1 U	1 U			2 U
Phenanthrene	µg/L				0.4 U			0.1 U	2 U			0.1 U
Pyrene	µg/L				0.2			0.2 U	3 U			0.2 U
Total PAHs (calculated)	µg/L				0.2			2 U	35			3 U

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-23	CB-24	CB-24
	Sample ID	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23	Drain 23-F	Drain #23	Drain #23-F	Drain 24	Drain 24
	Date	1/21/1999	3/25/1999	5/20/1999	10/13/1999	3/28/2000	4/25/2000	10/12/2000	11/27/2000	11/27/2000	9/1/1994	11/1/1994
Analyte	**Unit**							**filtered**		**filtered**		
Conventionals												
pH	--	7.31	6.88	7.02	6.86	6.81	6.68	6.48		6.39	6.63	7.53
Total Suspended Solids	mg/L	216	328	143	66	418	42	6	194	5 U	322	242
Phenols												
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	1 U	5 U	0.5 U					
Total Tetrachlorophenols	µg/L	13	10	5 U	8.3	7.9	2.3					
Pentachlorophenol	µg/L	350	210	32	120	240	48	220		230	190	150
TPH												
Oil and Grease	µg/L	5000 U	7000	5000 U	5000 U	5000 U	5000 U	5000 U			4000	2000
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L	1 U	1 U	1 U	1 U	1 U	1 U					
Acenaphthylene	µg/L	1 U	1 U	11 U	3 U	7.2 U	2.6 U					
Anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U					
Benzo(a)anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U					
Benzo(a)pyrene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U					
Benzo(b)fluoranthene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
Benzo(g,h,i)perylene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
Benzo(k)fluoranthene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U					
Chrysene	µg/L	0.5 U	0.4	0.1	0.1	0.84	0.1 U					
Dibenz(a,h)anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U					
Fluoranthene	µg/L	0.2 U	5 U	0.2 U	0.2 U	0.2 U	0.2 U					
Fluorene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
Indeno(1,2,3-cd)pyrene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.14	0.1 U					
Naphthalene	µg/L	1 U	1 U	1 U	1 U	1 U	1 U					
Phenanthrene	µg/L	0.2 U	0.2	0.1 U	0.1 U	0.15	0.1 U					
Pyrene	µg/L	0.3 U	4 U	0.2 U	0.2 U	0.66 U	0.2 U					
Total PAHs (calculated)	µg/L	1 U	0.6	0.1	0.1	1.13	2.6 U					

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24
	Sample ID	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24
	Date	1/1/1995	3/1/1995	9/1/1995	11/1/1995	1/1/1996	3/1/1996	5/1/1996	9/1/1996	11/1/1996	1/1/1997	3/1/1997
Analyte	**Unit**											
Conventionals												
pH	--	7.75	7.15	7.47	8.54	7.64	6.74	6.84	7.43	7.17	6.95	6.85
Total Suspended Solids	mg/L	1460	246	1520	290	380	1100	119	125	984	200	172
Phenols												
2,4,6-Trichlorophenol	µg/L											
Total Tetrachlorophenols	µg/L											
Pentachlorophenol	µg/L	400	260	870	850	960	360	410	42	330	400	510
TPH												
Oil and Grease	µg/L	3000	2000	2000	2000	2500	2500	2500	2500	2500	2500	2500
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24
	Sample ID	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24
	Date	5/1/1997	9/1/1997	9/18/1997	11/1/1997	1/1/1998	1/8/1998	3/1/1998	3/11/1998	5/1/1998	11/17/1998	1/21/1999
Analyte	**Unit**											
Conventionals												
pH	--	7.59	6.8	6.8	7.09	7.3	7.3	7.05	7.05	6.84	7.62	7.25
Total Suspended Solids	mg/L	22	260	260	280	282	282	620	620	71	12	84
Phenols												
2,4,6-Trichlorophenol	µg/L			50 U			5 U		5 U		0.5 U	5 U
Total Tetrachlorophenols	µg/L			50 U			10		11		1.2	15
Pentachlorophenol	µg/L	3.2	780	780	490	550	550	370	370	15	56	440
TPH												
Oil and Grease	µg/L	2500	2500	5000 U	2500	5000	5000	2500	5000 U		5000 U	5000 U
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L			1 U			1 U		2 U		1 U	1 U
Acenaphthylene	µg/L			11 U			1 U		2 U		4 U	1 U
Anthracene	µg/L			0.1 U			0.1 U		0.2 U		0.1 U	0.1 U
Benzo(a)anthracene	µg/L			0.1 U			0.1 U		0.2 U		0.1 U	0.1 U
Benzo(a)pyrene	µg/L			0.1 U			0.2		0.2		0.1 U	0.1 U
Benzo(b)fluoranthene	µg/L			0.2 U			0.3		0.4 U		0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L			0.2 U			2 U		0.4 U		0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L			0.1 U			0.1		0.2		0.1 U	0.1 U
Chrysene	µg/L			0.1 U			0.3		0.5 U		0.1 U	1 U
Dibenz(a,h)anthracene	µg/L			0.1 U			0.1 U		0.2 U		0.1 U	0.1 U
Fluoranthene	µg/L			0.2 U			0.4 U		0.9 U		0.2 U	0.2 U
Fluorene	µg/L			0.2 U			0.2 U		0.7 U		0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L			0.1 U			0.2		0.3 U		0.1 U	0.1 U
Naphthalene	µg/L			1 U			1 U		2 U		1 U	1 U
Phenanthrene	µg/L			0.5 U			0.1 U		3 U		0.1 U	0.1 U
Pyrene	µg/L			0.2 U			0.5 U		7 U		0.4 U	0.4 U
Total PAHs (calculated)	µg/L			11 U			1.1		0.4		4 U	1 U

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-24	CB-25	CB-25	CB-25
	Sample ID	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24-F	Drain #24	Drain #24-F	Drain 25	Drain 25	Drain 25
	Date	3/25/1999	5/20/1999	10/13/1999	3/28/2000	4/25/2000	10/12/2000	11/27/2000	11/27/2000	9/1/1994	11/1/1994	1/1/1995
Analyte	**Unit**						filtered		filtered			
Conventionals												
pH	--	6.82	6.94	6.92	6.8	6.73	6.66	6.54	6.61	6.61	7.75	8.07
Total Suspended Solids	mg/L	224	67	5	236	109	5 U	114	5 U	40	3140	2430
Phenols												
2,4,6-Trichlorophenol	µg/L	5 U	0.5 U	1 U	5 U	5 U						
Total Tetrachlorophenols	µg/L	11	1	1 U	8.4	5 U						
Pentachlorophenol	µg/L	260	17	3.1	280	110	380	280	140	34	300	740
TPH												
Oil and Grease	µg/L	5000 U	6000	5000	5000 U	5000 U	5000 U			16000	2000	3000
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L	1 U	1 U	1 U	1 U	1 U						
Acenaphthylene	µg/L	1 U	1 U	1 U	9.1 U	3.4 U						
Anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U						
Benzo(a)anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U						
Benzo(a)pyrene	µg/L	0.1 U	0.1 U	0.1 U	0.11	0.1 U						
Benzo(b)fluoranthene	µg/L	0.2 U	0.2 U	0.2 U	0.2	0.2 U						
Benzo(g,h,i)perylene	µg/L	0.2 U	0.2 U	0.2 U	0.56	0.2 U						
Benzo(k)fluoranthene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U						
Chrysene	µg/L	0.5	0.1	0.1 U	0.69	0.12						
Dibenz(a,h)anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U						
Fluoranthene	µg/L	5 U	0.2 U	0.2 U	0.2 U	0.2 U						
Fluorene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U						
Indeno(1,2,3-cd)pyrene	µg/L	0.1 U	0.1 U	0.1 U	0.17	0.1 U						
Naphthalene	µg/L	1 U	1 U	1 U	1 U	1 U						
Phenanthrene	µg/L	0.6	0.1 U	0.1 U	0.19	0.1 U						
Pyrene	µg/L	2 U	0.2 U	0.2 U	0.34	0.2 U						
Total PAHs (calculated)	µg/L	1.1	0.1	1 U	2.26	0.12						

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25
	Sample ID	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25
	Date	3/1/1995	9/1/1995	11/1/1995	1/1/1996	3/1/1996	5/1/1996	9/1/1996	11/1/1996	1/1/1997	3/1/1997	5/1/1997
Analyte	**Unit**											
Conventionals												
pH	--	8.5	8.15	8.54	7.7	6.75	7.22	7.83	8.15	7.58	7.04	8.82
Total Suspended Solids	mg/L	1030	2830	630	280	830	413	280	2620	1060	516	18
Phenols												
2,4,6-Trichlorophenol	µg/L											
Total Tetrachlorophenols	µg/L											
Pentachlorophenol	µg/L	52	95	150	270	270	22	42	150	300	270	0.8
TPH												
Oil and Grease	µg/L	1000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25
	Sample ID	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25	Drain 25
	Date	9/1/1997	9/18/1997	11/1/1997	1/1/1998	1/8/1998	3/1/1998	3/11/1998	5/1/1998	11/17/1998	1/21/1999	3/25/1999
Analyte	**Unit**											
Conventionals												
pH	--	7.06	7.06	6.77	7.43	7.43	7.43	7.43	7.3	8.42	7.69	8.34
Total Suspended Solids	mg/L	260	260	152	62	62	676	676	268	128	372	2100
Phenols												
2,4,6-Trichlorophenol	µg/L		50 U			5 U		5 U		0.5 U	1 U	5 U
Total Tetrachlorophenols	µg/L		50 U			7		6		9.7	8	5 U
Pentachlorophenol	µg/L	340	340	280	180	180	150	150	120	240	220	30
TPH												
Oil and Grease	µg/L	2500	5000 U	2500	5000	5000	2500	5000 U		5000 U	5000 U	5000 U
Diesel Range Organics (DRO)	µg/L											
Residual Range Organics (RRO)	µg/L											
PAHs												
Acenaphthene	µg/L		1 U			1 U		1 U		1 U	1 U	1 U
Acenaphthylene	µg/L		1 U			7 U		1 U		4 U	1 U	1 U
Anthracene	µg/L		0.1 U			0.1 U		0.1 U		0.1 U	0.1 U	0.1 U
Benzo(a)anthracene	µg/L		0.1 U			0.1 U		0.1 U		0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	µg/L		0.1 U			0.1 U		0.3 U		0.1 U	0.2 U	0.1 U
Benzo(b)fluoranthene	µg/L		0.2 U			0.2 U		0.2 U		0.2 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L		0.2 U			2 U		0.2 U		0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L		0.1 U			0.1 U		0.1 U		0.1 U	0.1 U	0.2
Chrysene	µg/L		0.1 U			0.1 U		0.4 U		0.2	0.1 U	0.8
Dibenz(a,h)anthracene	µg/L		0.1 U			0.1 U		0.1 U		0.1 U	0.1 U	0.1 U
Fluoranthene	µg/L		0.2 U			0.2 U		0.4 U		0.2 U	0.4 U	0.5 U
Fluorene	µg/L		0.2 U			0.2 U		0.2 U		0.2 U	0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L		0.1 U			0.1 U		0.1 U		0.1 U	0.1 U	0.1 U
Naphthalene	µg/L		1 U			1 U		1 U		1 U	1 U	1 U
Phenanthrene	µg/L		0.1 U			0.1 U		0.1 U		0.1 U	0.1	0.1 U
Pyrene	µg/L		0.2 U			0.2 U		3 U		0.2 U	0.2 U	0.7 U
Total PAHs (calculated)	µg/L		1 U			7 U		3 U		0.2	0.1	1

Table 6-1. Historical Surface Water Data: Conventionals, Phenols, PAHs, and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-25	CB-25	CB-25	CB-25	CB-25	CB-25	CB-26	CB-26	CB-26	CB-30
	Sample ID	Drain 25	Drain 25	Drain 25	Drain 25	Drain #25	Drain #25-F	Drain 26-F	Drain #26	Drain #26-F	Drain #30
	Date	5/20/1999	10/13/1999	3/28/2000	4/25/2000	11/27/2000	11/27/2000	10/12/2000	11/27/2000	11/27/2000	3/19/2001
Analyte	Unit						filtered	filtered		filtered	field blank
Conventionals											
pH	--	7.26	7.74	7.27	6.89		6.75	7.01		6.74	
Total Suspended Solids	mg/L	314	587	2110	128	308	5 U	5 U	77	5 U	6
Phenols											
2,4,6-Trichlorophenol	µg/L	0.5 U	1 U	5 U	0.5 U						
Total Tetrachlorophenols	µg/L	0.5 U	2.8	5.9	2.4						
Pentachlorophenol	µg/L	1.8	56	210	49		59	240		170	0.5 U
TPH											
Oil and Grease	µg/L	6000	5000 U	7000	5000 U			5000 U			
Diesel Range Organics (DRO)	µg/L										
Residual Range Organics (RRO)	µg/L										
PAHs											
Acenaphthene	µg/L	1 U	1 U	1 U	1 U						
Acenaphthylene	µg/L	1 U	1 U	4.2 U	1 U						
Anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U						
Benzo(a)anthracene	µg/L	0.1 U	0.1 U	0.35	0.1 U						
Benzo(a)pyrene	µg/L	0.1 U	0.1 U	0.37	0.11						
Benzo(b)fluoranthene	µg/L	0.2 U	0.2 U	0.99	0.32						
Benzo(g,h,i)perylene	µg/L	0.2 U	0.2 U	0.67	0.2 U						
Benzo(k)fluoranthene	µg/L	0.1 U	0.1 U	0.11	0.1 U						
Chrysene	µg/L	0.1 U	0.2	2.6	0.54						
Dibenz(a,h)anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U						
Fluoranthene	µg/L	0.2 U	0.2 U	1.4	0.2 U						
Fluorene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U						
Indeno(1,2,3-cd)pyrene	µg/L	0.1 U	0.1 U	0.21	0.1 U						
Naphthalene	µg/L	1 U	1 U	1 U	1 U						
Phenanthrene	µg/L	0.1 U	0.1 U	0.25	0.19						
Pyrene	µg/L	0.2 U	0.2 U	3.3 U	1.1						
Total PAHs (calculated)	µg/L	1 U	0.2	6.95	2.26						

Notes

µg/L = microgram per liter.

H = chromatographic fingerprint of the sample resembles a petroluem product eluting in approximately the correct calibration range, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.

J = analyte is an estimated quantity.

mg/L = milligram per liter.

PAHs = polycyclic aromatic hydrocarbons.

TPH = total petroleum hydrocarbons.

U = analyte not detected above the laboratory reporting limit.

UJ = analyte not detected above the estimated laboratory reporting limit.

Table 6-2. Historical Surface Water Data: Dioxin/Furan Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-01-06	CB-01-06	CB-07-08	CB-07-08	CB-07-12	CB-07-12	CB-13	CB-14	CB-13-14	CB-13-14
	Sample ID	Drains 1-6	Drains 1-6	Drains 7-8	Drains 7-8	Drains 7-12	Drains 7-12	Drain 13-F	Drain 14-F	Drains 13-14	Drains 13-14
	Date	10/12/2000	1/19/2001	10/1/2001	1/15/2002	10/12/2000	1/19/2001	10/12/2000	10/12/2000	9/1/1997	9/18/1997
Analyte	**Unit**							filtered	filtered		
Dioxins and Furans											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	3.926 UJX	5.2 J	2.1 U	14.6	6.651	3.5 UJX	0.928 U	0.566 U		2.4 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	64.577	80.6	14.2 J	250	117.227	48.8	2.019 U	0.752 U		17.8 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	160.679	292	23.5 J	756	305.163	150	1.342 U	0.77 U		21.3 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	446.461	722	90.5	2050	850.492	489	5.267	0.832 U		18 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	340.559	648	70.1 J	1590	625.512	362	1.32 U	3.206		20 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	11589.6	26800 J	1950	57530 J	21016	15780	99.073	37.624		29.2 U
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	74775.8	127680 J	16130	135600 J	90187.6	113050 J	729.241	291.931		12.7 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	3.03 UJX	6.6 J	1.9 U	14.4	8.292	5.7 J	1.714 U	0.752 U		7.4 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	12.524 J	0.8 U	1.6 U	44.6	23.811 J	11.6 UJX	4.432 U	0.798 U		21.7 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	1.012 U	12.9 J	4 UJ	50	22.804	14.6 J	3.564 U	0.673 U		13.5 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1279.04 J	124	16.3 J	412	1228.47 J	95.4	4.801 U	0.411 U		25.1 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	26.895 U	65.7	14.1 J	290	86.856	57.4	11.692 J	5.001 UJX		15.5 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	34.293 U	1.1 U	2.5 U	2.1	16.826 UJX	1.9 U	5.442 U	0.501 U		29.4 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	26.286 U	142	25.4 J	557	119.573	111	4.587 U	0.392 U		13.4 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	1964.25	2780	360	17390	3540.11	1940	48.379	13.206 UJX		13.3 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	141.11	256	20.2 J	907	183.101	119	4.724	1.544 U		21.2 U
Octachlorodibenzofuran (OCDF)	pg/L	8333.98	13660	742	47030 J	12617.5	6740	156.436	49.137		17.2 U
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	7.512	30.9	3.3 U	78.1	25.487	10.7	0.928 U	0.566 U		2.4 U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	180.539	297	52.7	954	357.553	193	2.019 U	0.752 U		17.8 U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	2672.25	4250	568	11540	5232.27	2930	17.94	8.11		21.3 U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	19929	44630 J	3750	100640 J	37748.2	28600	169.01	65.312		29.2 U
Tetrachlorodibenzofurans (TCDF), Total	pg/L	52.44	85.4 J	30.2 UJX	258 J	120.448	98.5 JX	1.714 U	3.955		7.4 U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	127.233	480 J	264 UJX	1970 J	313.447	504 JX	3.564 U	0.673 U		21.7 U
Hexachlorodibenzofurans (HxCDF), Total	pg/L	1625.24	3530 J	701 UJX	14230	3650.96	2640 JX	16.124	5.823		29.4 U
Heptachlorodibenzofurans (HpCDF), Total	pg/L	2105.36	10710	965	47560	3723.22	6430	109.493	33.122		21.2 U
Dioxin (Total)	pg/L									6658	
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	304.607	311.696	33.8372	1041.95	592.541	354.344	2.13703	0.73095		0

Table 6-2. Historical Surface Water Data: Dioxin/Furan Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-13-14	CB-16	CB-16
	Sample ID	Drain 30	Drains 13-14	Drains 13-14	Drain 30	Drains 13-14	Drains 13-14-I	Drains 13-14-F	Drains 13-14	Drain 16	Drain 16
	Date	9/18/1997	1/1/1998	1/8/1998	1/8/1998	6/24/1998	6/24/1998	6/24/1998	11/18/1998	10/12/2000	1/19/2001
Analyte	Unit	Field dup			Field dup		filtered	filtered			
Dioxins and Furans											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	64.3		2.4 U	2.4 U	110	7.1 J	3.7 U	2.4 U	0.933 U	8.9 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	1417.1		1011.3	763.3	1800	70	18 U	1376.9	45.624	91.9
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	3583.4		3822.1	2718.4	4700	200	18 U	4615.3	117.914	254
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	8317.3		11648.5	8651.9	11000	450	41 J	5717.9	228.791	567
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	9938.8		11663.8	8764	12000	450	35 J	7351.9	251.928	621
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	154404		429316	357390	310000	16000	1500	205823	4456.64	18490
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	985885		4016164	1292467	2700000	150000	15000	1144071	36023.7	142640 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	50.7		7.4 U	7.4 U	36	3.4 U	3.5 U	7.4 U	0.949 U	7.4 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	72.7		21.7 U	21.7 U	150	8.8 U	8.4 U	118.9	1.537 U	9.1 UJX
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	171.4		13.5 U	13.5 U	220	9.8 U	4.3 U	132.3	4.365 UJX	16.5 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1316.2		1011.5	1707.4	2700 U	110	11 U	1184.5	48.5	137
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1851.7		2094.8	1797.1	17000 U	390 U	55 U	1298.2	297.139 J	86
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	29.4 U		29.4 U	29.4 U	52	1.5 U	4 U	29.4 U	3.623 U	3 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	2787.3		1863.1	1613.3	3300	94	11 U	1159.5	35.432	218
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	35497.9		95637.7	74647.1	70000	3700	360	39733.9	1343.62	4120
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	2902.1		4181.8	7240.5	5000	280	33 J	3048.2	74.608	259
Octachlorodibenzofuran (OCDF)	pg/L	120244		544878	184840	360000	25000	3800	111305	6869.1	21620
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	320.3		2.4 U	2.4 U	550	7.1	3.7 U	2.4 U	0.933 U	14.7
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	3984.7		1794	1953.5	6000	140	18 U	2769.5	83.264	325
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	54914.2		78863.3	54700	61000	2600	190	60394	1455.41	3880
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	287283		746104	615501	490000	26000	2500	360713	7596.39	31620
Tetrachlorodibenzofurans (TCDF), Total	pg/L	775.7		329.7	383.1	1700	53	8.1	7.4 U	23.276	141 JX
Pentachlorodibenzofurans (PeCDF), Total	pg/L	12565.3		12177.4	7585.8	15000	460	32	8731.7	308.706	927 JX
Hexachlorodibenzofurans (HxCDF), Total	pg/L	62807.4		99373.5	86241.4	84000	3300	300	98164.8	1483.42	4880 JX
Heptachlorodibenzofurans (HpCDF), Total	pg/L	151553		419941	373357	250000	13000	1400	168023	4569.46	15970
Dioxin (Total)	pg/L		11172.5								
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	6393.93		9969.14	7829.02	9292.3	417.7	20.48	6193.32	176.918	511.052

Table 6-2. Historical Surface Water Data: Dioxin/Furan Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-17	CB-18	CB-18	CB-19-21	CB-19-21	CB-22	CB-22	CB-23	CB-23	CB-23
	Sample ID	Drain 17	Drain 18	Drain 18	Drains 19-21	Drains 19-21	Drain 22	Drain 22	Drain 23	Drain 23	Drain 23
	Date	1/19/2001	10/12/2000	1/19/2001	10/12/2000	1/19/2001	10/12/2000	1/19/2001	9/1/1997	9/18/1997	1/1/1998
Analyte	**Unit**										
Dioxins and Furans											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	15.2	6.611 UJX	16	0.456 U	3.1 J	5.826	11		2.4 U	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	141	141.965	216	9.186	24.2 J	80.897	145		17.8 U	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	348	333.255	609	21.823	55.5	165.058	406		21.3 U	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	776	864.936	1450	47.785	146	411.937	1080		18 U	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	798	773.185	1380	45.766	132	347.778	944		20 U	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	23750 J	14759.6	40130 J	1211.18	4180	8685.15	30420 J		29.2 U	
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	163340 J	112347	206010 J	10131.6	27500	52784.9	186050 J		12.7 U	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	12.3	7.492	16.7	0.461 U	2.6 J	4.004	14.3		256.2	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	1.7 U	1.201 U	0.7 U	2.226 J	3.8 UJX	12.728 UJX	0.8 U		21.7 U	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	32.3 J	19.593	40.5 J	0.447 U	4.9 UJX	13.494	34.8 J		13.5 U	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	177	147.421	269	112.324 J	41.5 J	514.947 J	221		25.1 U	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	133	959.975 J	200	5.366	19.7 J	45.315	143		15.5 U	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	2.5 U	6.168 U	0.9 U	3.303 U	1.4 U	6.438 U	1.1 U		29.4 U	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	296	120.722	462	7.521 UJX	40.2 J	75.048	298		13.4 U	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	4370	3178.63	6850	246.861	556	1621.96	4690		13.3 U	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	301	161.176	481	12.288 UJX	46.3 J	67.698	314		21.2 U	
Octachlorodibenzofuran (OCDF)	pg/L	18600	10140	26880	880.573	1720	4399.06	18560		17.2 U	
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	54.8	22.973	97.9	0.456 U	6.9	19.182	73.8		2.4 U	
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	521	401.876	867	12.096	83.6	260.362	612		17.8 U	
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	5410	5242.37	9750	333.436	947	2911.93	6980		21.3 U	
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	42080 J	26113.4	71400 J	2236.86	7680	16288.5	54650 J		29.2 U	
Tetrachlorodibenzofurans (TCDF), Total	pg/L	243 JX	192.588	429 JX	8.362	11.4 JX	103.932	251 JX		7.4 U	
Pentachlorodibenzofurans (PeCDF), Total	pg/L	1190 JX	1290.06	1830 JX	22.652	221 JX	251.013	1400 JX		21.7 U	
Hexachlorodibenzofurans (HxCDF), Total	pg/L	6040 JX	4143.99	9120 JX	228.447	891 JX	1855.22	7130 JX		29.4 U	
Heptachlorodibenzofurans (HpCDF), Total	pg/L	14540	9645.16	22770	246.861	1760	1689.65	15990		21.2 U	
Dioxin (Total)	pg/L								25.6		2905
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	458.8	569.706	746.668	36.9417	83.632	307.85	518.526		25.62	

Table 6-2. Historical Surface Water Data: Dioxin/Furan Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	CB-23	CB-23	CB-24	CB-24	CB-24	CB-24	CB-24	CB-25	CB-25	CB-25
	Sample ID	Drain 23	Drain 23-F	Drain 24	Drain 24	Drain 24	Drain 24	Drain 24-F	Drain 25	Drain 25	Drain 25
	Date	1/8/1998	10/12/2000	9/1/1997	9/18/1997	1/1/1998	1/8/1998	10/12/2000	9/1/1997	9/18/1997	1/1/1998
Analyte	**Unit**		filtered					filtered			
Dioxins and Furans											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	2.4 U	0.776 U		2.4 U		29.6	0.875 U		46.1	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	273	1.375 U		17.8 U		681.7	1.125 U		870.4	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	2773.7	0.792 U		21.3 U		3133.6	1.229 U		2414.1	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	4581.3	0.825 U		18 U		14728.8	1.264 U		5712	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	5147.4	0.783 U		20 U		13322.4	1.206 U		5185.8	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	85674.4	24.52		1683.7		194781	35.058		115711	
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	394351	194.017		13814		749445	308.484		634659	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	7.4 U	0.724 U		7.4 U		7.4 U	0.915 U		50.4	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	750.8	1.09 U		21.7 U		1289	1.09 U		74.8	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	13.5 U	0.942 U		13.5 U		13.5 U	0.964 U		161	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	25.1 U	0.453 U		25.1 U		25.1 U	0.561 U		867.5	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	15.5 U	3.092 UJX		15.5 U		15.5 U	3.758 UJ		650.9	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	29.4 U	0.535 U		29.4 U		29.4 U	0.653 U		29.4 U	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	13.4 U	0.437 U		13.4 U		13.4 U	0.565 U		1588.4	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	16196.8	7.239 UJX		202		43499.2	12.452 UJ		16466.1	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	21.2 U	1.159 U		13.6 J		21.2 U	1.581 U		1631.6	
Octachlorodibenzofuran (OCDF)	pg/L	67842.8	31.355		742		113184	54.817		66649.5	
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	2.4 U	0.776 U		2.4 U		229.7	0.875 U		196.3	
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	762.8	1.375 U		17.8 U		3111.2	1.125 U		2714.9	
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	26006.1	0.825 U		21.3 U		60909.7	4.5		36206.8	
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	190915	42.863		2526.3		311187	62.588		214953	
Tetrachlorodibenzofurans (TCDF), Total	pg/L	7.4 U	0.724 U		7.4 U		7.4 U	0.915 U		457.5	
Pentachlorodibenzofurans (PeCDF), Total	pg/L	13301.3	0.942 U		21.7 U		12580.4	0.964 U		8676	
Hexachlorodibenzofurans (HxCDF), Total	pg/L	20654.6	7.146		29.4 U		64416.8	5.661		37607.8	
Heptachlorodibenzofurans (HpCDF), Total	pg/L	89248.5	13.365		851.2		181922	20.591		86145.4	
Dioxin (Total)	pg/L			33.6		6799			4282		3887
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	2625.71	0.26774		20.3126		6363.3	0.38691		4055.87	

Table 6-2. Historical Surface Water Data: Dioxin/Furan Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	CB-25		CB-25		CB-25		CB-26	
	Sample ID	Drain 25		Drain 25		Drain 25-F		Drain 26-F	
	Date	1/8/1998		6/24/1998		6/24/1998		10/12/2000	
Analyte	Unit					filtered		filtered	
Dioxins and Furans									
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	2.4	U	5.4	U	3.5	U	1.366	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	360.2		40	U	8.5	U	1.666	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1190.9		75		5	U	1.871	U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	7132.2		180		7.6	U	1.964	U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	7262.1		150		7	U	1.856	U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	106342		5300		25	UJB	44.009	
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	478617		46000		110	UJB	347.247	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	7.4	U	4.1	U	3.5	U	1.391	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	21.7	U	4.5	U	5.3	U	1.661	U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	13.5	U	4.5	U	6.5	U	1.404	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	2812.7		40	J	5.1	U	0.965	U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	15.5	U	290	U	4.5	U	8.66	J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	29.4	U	1.8	U	7.7	U	1.133	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	13.4	U	41	J	7.1	U	0.94	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	21380.1		930		9.7	U	11.345	UJX
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	4650.6		67		6.9	U	1.711	U
Octachlorodibenzofuran (OCDF)	pg/L	64550.4		4800		19	U	44.626	
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	2.4	U	5.4	U	3.5	U	1.366	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	1226.6		40	U	8.5	U	1.666	U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	39898		1100		7.6	U	1.964	U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	186942		9300		25	UJB	82.344	
Tetrachlorodibenzofurans (TCDF), Total	pg/L	313.7		14		3.5	U	1.391	U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	4294.6		210		6.5	U	1.404	U
Hexachlorodibenzofurans (HxCDF), Total	pg/L	25303.6		1000		7.7	U	10.706	
Heptachlorodibenzofurans (HpCDF), Total	pg/L	82518.4		2600		9.7	U	22.809	
Dioxin (Total)	pg/L								
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	3578.03		108.55		0		0.47928	

Notes

B = analyte was detected in the associated laboratory or field blank in addition to the sample.
J = analyte is an estimated quantity.
pg/L = picograms per liter.
U = analyte not detected above the laboratory reporting limit.
UJ = analyte not detected above the estimated laboratory reporting limit.
X = ion ratios did not meet criteria for dioxin identification and results are considered as undetected.

7. Lysimeter Porewater Data

Table 7-1. Lysimeter Porewater: Conventionals, Metals, Phenols, Dioxins/Furans, and TPH Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1	
	Sample ID	L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1	
	Date	1/16/2001		3/28/2001		5/22/2001		10/1/2001		12/17/2001		2/11/2002		4/10/2002		10/21/2002		12/16/2002		2/5/2003		4/11/2003	
Analyte	**Unit**																						
Conventionals																							
pH	--																						
Total Solids	%																						
TPH																							
Diesel Range Organics	µg/L			530		390	J	400	U	420	U	250	U	270	Y	45	U	45	U	46	U	36	U
Residual Range Organics	µg/L			960	U	770	UJ	800	U	840	U	500	U	500	U	500	U	500	U	31	U	54	U
Metals																							
Copper	mg/L																						
Phenols																							
2,3,4,5-Tetrachlorophenol	µg/L					0.5	UJ																
2,3,5,6-Tetrachlorophenol	µg/L					0.5	UJ																
Total Tetrachlorophenols	µg/L			1.5	U																		
Pentachlorophenol	µg/L	27	J	0.5	U	0.5	UJ	0.5	U	0.49	J	0.2	U	0.22	Ui	0.06	U	0.5	Ui	0.5	U	0.5	U
Dioxins and Furans																							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	2	U	1	U	9.4	UJ	0.5	U	1.6	U	1.6	U	6.3		1.632	U	3.002	U	0.535	U		
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	2.3	U	1.2	U	11.1	UJ	1.1	J	1.6	U	1.7	U	8.3		1.933	U	3.501	U	0.824	U		
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	2.4	U	0.6	U	12.2	UJ	0.8	U	1.7	U	2.2	U	9.3	J	1.596	U	3.605	U	0.963	U		
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	2.3	U	0.7	U	12.3	UJ	1.4	U	1.8	U	2.2	U	8.8		1.779	U	3.81	U	1.146	U		
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	7.3	J	0.9	U	11.7	UJ	2.1	J	1.7	U	2	U	8.9		1.652	U	3.622	U	1.03	U		
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	9.5	UJBX	11.4	J	16.7	UJ	5.9	J	3.2	UJ	4.4	UJ	9	J	2.667	U	5.282	U	1.523	U		
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	54.2	UJB	76.5	J	24.3	UJ	31.6	J	34.1	UJ	45.9	J	21.1	UJ	4.096	U	8.601	U	29.274	UJ		
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	1.2	U	7.8	J	6.7	UJ	1.9	U	1.3	U	1.3	U	4.5		1.993	U	3.006	U	0.921	U		
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	4.1	J	0.8	U	7.4	UJ	0.5	U	1.3	U	1.1	U	7.3		1.488	U	2.424	U	0.673	U		
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	1.5	U	0.6	U	6.5	UJ	0.4	U	1	U	0.9	U	4.5		1.199	U	2.073	U	0.604	U		
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	3.4	J	1.9	UJB	7.5	UJ	1.6	J	1.1	U	1.4	U	1.9	UJ	1.178	U	2.11	U	0.641	U		
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.1	U	0.4	U	7.2	UJ	1.3	J	1.1	U	1.8	U	5.5		1.188	U	2.225	U	0.674	U		
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	7.6	J	0.5	U	8.9	UJ	1.5	U	1.5	U	2.1	U	8.7		1.559	U	2.873	U	0.857	U		
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.3	U	1.8	UJB	8.6	UJ	1	U	1.2	U	1.9	UJ	5.8		1.28	U	2.394	U	0.718	U		
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	1.6	U	2.8	U	10.6	UJ	2.1	J	1.5	U	2.2	U	6.9	J	1.775	U	2.854	U	1.045	U		
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	2.2	U	0.7	U	11.6	UJ	0.8	U	1.8	U	3.3	U	8.2		2.816	U	4.697	U	1.734	U		
Octachlorodibenzofuran (OCDF)	pg/L	16.8	J	13.3	J	19.2	UJ	6.2	J	4.9	UJ	6.4	U	5.8	UJ	21.659	UJ	10.962	U	3.654	U		
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	2	U	1	U	9.4	UJ	34.4	UJ	5	U	1.6	U	6.3		1.632	U	3.002	U	0.535	U		
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	2.3	UJX	2.9	U	11.1	UJ	1.1	J	8.3	U	3.9	U	8.3		1.933	U	3.501	U	0.824	U		
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	7.3		11.7	U	12.1	UJ	2.1	J	8.4	U	5.1		8.8		1.779	U	3.81	U	1.146	U		
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	9.5	UJX	18.7	J	16.7	UJ	11	J	5.9		4.4		9		2.667	U	5.282	U	1.523	U		
Tetrachlorodibenzofurans (TCDF), Total	pg/L	1.2	U	60.2	J	6.7	UJ	11	UJ	1.3	U	3		4.5		1.993	U	3.006	U	0.921	U		
Pentachlorodibenzofurans (PeCDF), Total	pg/L	4.1		12.7	J	7	UJ	0.5	U	1.2	U	1	U	4.5		1.199	U	2.073	U	0.604	U		
Hexachlorodibenzofurans (HxCDF), Total	pg/L	11		6.1	UJB	8	UJ	3.6	J	1.2	U	1.9		1.9		1.188	U	2.225	U	0.674	U		
Heptachlorodibenzofurans (HpCDF), Total	pg/L	1.9	U	6.8	J	24.9	UJ	5.4	J	3.1	U	4.4	U	6.9		1.775	U	2.854	U	1.045	U		
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0		0		0		0		0		0		21.517		0		0		0			

Table 7-1. Lysimeter Porewater: Conventionals, Metals, Phenols, Dioxins/Furans, and TPH Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-1		L-2	
	Sample ID	LYSIMETER-1		L-1		L-1		LYS-1		L-1		L-1		L-1		L-1		L-1		L-2	
	Date	4/30/2003		9/2/2003		11/6/2003		1/20/2004		3/16/2004		5/4/2004		9/20/2004		11/18/2004		1/6/2005		1/16/2001	
Analyte	Unit																				
Conventionals																					
pH	--							6.7		5		6.14		7		6.62					
Total Solids	%																				
TPH																					
Diesel Range Organics	µg/L			55	U	72	U	37	U	60	U	80	U	52	U	66	U	32	UJ		
Residual Range Organics	µg/L			82	U	110	U	55	U	90	U	120	U	78	U	99	U	47	UJ		
Metals																					
Copper	mg/L			0.0002	U	0.0002	U	0.0002	U	0.0009	U	0.0002	U	0.0008	B	0.0003	U	0.0006	U		
Phenols																					
2,3,4,5-Tetrachlorophenol	µg/L																				
2,3,5,6-Tetrachlorophenol	µg/L																				
Total Tetrachlorophenols	µg/L																				
Pentachlorophenol	µg/L			0.12	U	0.12	U	0.12	U	0.095	UJ	0.095	UJ	0.095	U	0.095	U	0.095	UJ	0.5	UJ
Dioxins and Furans																					
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	1.033	U	1.789	U	3.825	U	1.346	U	1.587	U	0.672	U	0.155	U	0.36	U	0.247	UJ	1.5	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	1.319	U	1.637	U	3.436	U	1.32	U	1.013	U	0.852	U	0.177	U	0.307	U	0.374	UJ	2	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.349	U	1.842	U	3.068	U	1.359	U	1.305	U	1.19	U	0.621	U	0.224	U	0.285	UJ	1.5	U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.562	U	2.239	U	24.526	J	1.663	U	1.582	U	1.381	U	0.658	U	0.242	U	0.324	UJ	1.4	U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.424	U	1.886	U	6.404	UJ	1.475	U	1.409	U	1.257	U	0.586	U	0.46	UJ	0.28	UJ	1.5	U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	2.571	U	2.806	U	932.658		3.82	J	1.663	U	0.861	U	1.842	UJ	1.625	UJ	1.541	UJ	7.5	UJB
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	4.327	U	13.789	UJ	3354.24	B	34.999	UJ	8.498	J	6.155	UJ	12.264	UJ	15.647	UJ	13.902	UJ	74.9	J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	1.218	U	1.493	U	4.434	U	0.908	U	1.165	U	0.397	U	0.859	U	0.565	U	0.433	UJ	1	UJ
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	0.997	U	1.371	U	3.06	U	0.843	U	1.017	U	0.558	U	0.252	U	0.326	UJ	0.216	UJ	1.4	UJ
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	0.987	U	1.37	U	3.092	U	0.795	U	1.039	U	0.558	U	0.265	U	0.168	U	0.208	UJ	1.4	UJ
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	0.924	U	1.315	U	1.974	U	0.892	U	0.691	U	0.611	U	0.38	U	0.702	UJ	0.529	J	2.1	J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	0.915	U	1.265	U	2.084	U	1.007	U	0.757	U	0.687	U	0.423	U	0.41	UJ	0.186	UJ	1	UJ
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	1.25	U	1.621	U	2.55	U	1.124	U	0.758	U	0.785	UJ	0.473	U	0.197	U	0.188	UJ	1.4	UJ
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.01	U	1.316	U	2.258	U	0.921	U	0.76	U	0.615	U	0.432	U	0.174	U	0.168	UJ	1.1	UJ
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	1.536	U	1.681	U	43.975	J	1.012	U	1.592	U	1.091	U	0.591	U	0.8	UJ	0.32	UJ	1.4	UJ
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	2.465	U	2.243	U	5.78	J	1.393	U	2.2	U	1.604	U	0.801	U	0.293	U	0.203	UJ	1.9	UJ
Octachlorodibenzofuran (OCDF)	pg/L	5.498	U	4.046	U	421.895		4.864	J	4.056	U	1.443	U	0.642	U	4.566	UJ	1.86	UJ	18.5	UJX
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	1.033	U	1.789	U	3.825	U	1.346	U	1.587	U	0.672	U	0.155	U	0.36	U	0.247	U	1.9	UJX
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	1.319	U	1.637	U	3.436	U	1.32	U	1.013	U	0.852	U	0.177	U	0.307	U	0.374	U	2	U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	1.562	U	2.239	U	121.467		1.663	U	1.582	U	1.381	U	0.621	U	0.46	U	0.285	U	8.9	UJX
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	2.571	U	2.806	U	1495.89		3.82		1.663	U	0.861	U	1.842	U	0.112	U	0.242	U	13.8	
Tetrachlorodibenzofurans (TCDF), Total	pg/L	2.278		1.493	U	4.434	U	0.908	U	1.165	U	0.397	U	0.859	U	0.565	U	0.433	U	1	U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	0.987	U	1.37	U	3.092	U	0.795	U	1.039	U	0.558	U	0.265	U	0.168	U	0.208	U	1.4	U
Hexachlorodibenzofurans (HxCDF), Total	pg/L	0.915	U	1.265	U	30.46		1.007	U	0.757	U	0.687	U	0.38	U	0.41	U	0.529		2.1	
Heptachlorodibenzofurans (HpCDF), Total	pg/L	1.536	U	1.681	U	287.847		1.012	U	1.592	U	1.091	U	0.591	U	0.812		0.158	U	13	UJX
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0		0		9.70419		0		0		0		0		0		0		0	

Table 7-1. Lysimeter Porewater: Conventionals, Metals, Phenols, Dioxins/Furans, and TPH Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-2		L-2		L-2		L-2		L-2		L-2		L-2		L-2		L-2		L-2		L-2	
	Sample ID	L-2		L-2		L-2		L-2		L-2		L-2		L-2		L-2		L-2		LYSIMETER-2		L-2	
	Date	3/28/2001		5/22/2001		10/1/2001		12/17/2001		2/11/2002		10/21/2002		12/16/2002		2/5/2003		4/11/2003		4/30/2003		11/6/2003	
Analyte	Unit																						
Conventionals																							
pH	--																						
Total Solids	%																						
TPH																							
Diesel Range Organics	µg/L	370	U	480	UJ	490	U	470	U	280	U	45	U	45	U	57	U	36	U			72	U
Residual Range Organics	µg/L	740	U	960	UJ	970	U	930	U	560	U	30	U	500	U	38	U	54	U			110	U
Metals																							
Copper	mg/L																					0.0021	
Phenols																							
2,3,4,5-Tetrachlorophenol	µg/L			0.5	UJ																		
2,3,5,6-Tetrachlorophenol	µg/L			0.5	UJ																		
Total Tetrachlorophenols	µg/L	1.5	U																				
Pentachlorophenol	µg/L	0.5	U	0.5	UJ	0.5	U	0.2	UJ	0.2	U	0.069	J	0.5	Ui	0.5	U	0.5	U			0.12	U
Dioxins and Furans																							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	2.9	UJB	1.6	UJ	0.5	U	1.5	U	5.2	U	2.683	U	4.618	U	0.691	U			1.416	U	3.623	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	1.3	U	3.5	UJ	0.5	U	1.4	U	4.4	U	2.942	U	5.102	U	0.861	U			1.595	U	2.606	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	0.9	U	3.3	UJ	0.7	U	4.7	UJ	6	U	2.763	U	5.047	U	1.13	U			1.873	U	1.942	U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	0.7	U	2.6	UJ	0.7	U	1.7	U	5.7	U	2.948	U	5.634	U	1.362	U			2.191	U	2.342	U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	0.6	U	2.4	UJ	0.84	J	1.6	U	5.4	U	2.796	U	5.227	U	1.217	U			1.987	U	1.982	U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	3.1	U	5	UJ	4.8	J	5.7	UJ	8.7	U	3.754	U	8.352	U	6.881	J			9.811	UJ	56.46	J
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	27.2	UJB	17.6	J	33.6	J	59	JB	24.2	UJ	31.742	UJ	52.452	J	203.606	B			111.985	UJ	337.118	B
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	0.7	U	1.3	UJ	0.4	U	1.4	U	4.3	U	2.343	U	4.54	U	1.041	U			1.25	U	2.893	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	0.9	U	3.2	UJ	0.5	U	1.2	U	3.5	U	2.393	U	3.895	U	0.664	U			1.593	U	1.901	U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	0.7	U	2.9	J	0.4	U	1	U	2.7	U	1.955	U	3.16	U	0.735	U			1.518	U	1.984	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.9	UJB	3.3	UJ	0.8	U	1.2	J	3.8	U	2.4	U	2.402	U	0.711	U			1.146	U	1.695	U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	0.5	U	2.6	J	0.38	J	1	U	4.2	U	2.429	U	2.379	U	0.72	U			1.158	U	1.656	U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	0.5	U	2	UJ	0.6	U	1.4	U	5.4	U	3.303	U	3.205	U	0.964	U			1.534	U	1.862	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	0.3	U	2.8	J	0.43	J	1	U	3.8	U	2.601	U	2.657	U	0.82	U			1.204	U	1.735	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	0.6	U	2.6	UJ	1.5	U	2	UJ	5.5	U	3.213	U	4.66	U	1.164	U			2.278	U	2.476	U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	0.5	U	2.3	UJ	0.7	U	1.7	U	6.8	U	4.957	U	7.993	U	1.974	U			3.798	U	3.195	U
Octachlorodibenzofuran (OCDF)	pg/L	5.9	J	2.3	UJ	6.8	J	10.7	UJ	6.7	U	31.388	UJ	17.216	U	4.48	U			33.969	UJ	35.902	J
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	2.9	UJB	2.3	UJ	21.2	UJ	1.5	U	5.2	U	2.683	U	4.618	U	0.691	U			1.416	U	3.623	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	6.1	U	3.5	UJ	0.5	U	6.8	U	4.4	U	2.942	U	5.102	U	0.861	U			1.595	U	2.606	U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	8.4	U	5.9	UJ	0.84	J	13.1	U	5.7	U	2.948	U	5.634	U	1.362	U			2.191	U	2.342	U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	3.1	U	8.9	UJ	8.1	J	5.7		12.5	U	3.754	U	8.352	U	22.481				10.399		100.265	
Tetrachlorodibenzofurans (TCDF), Total	pg/L	0.7	U	1.3	UJ	10.7		3.2	U	4.3	U	2.343	U	4.54	U	1.041	U			1.25	U	2.893	U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	6.7	UJX	2.9	J	0.4	U	2.2	U	3	U	1.955	U	3.16	U	0.735	U			1.518	U	1.984	U
Hexachlorodibenzofurans (HxCDF), Total	pg/L	5.9	UJBX	5.4	J	2	J	3.1		4.2	U	2.4	U	2.379	U	0.72	U			1.158	U	1.656	U
Heptachlorodibenzofurans (HpCDF), Total	pg/L	0.5	U	2.6	UJ	4.6	U	4.6		6	U	3.213	U	4.66	U	1.164	U			13.133		14.635	
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0		0		0		0		0		0		0		0.02036				0		0.03371	

Table 7-1. Lysimeter Porewater: Conventionals, Metals, Phenols, Dioxins/Furans, and TPH Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-2		L-2		L-2		L-2		L-2		L-2		L-3		L-3		L-3		L-3	
	Sample ID	LYS-2		L-2		L-2		L-2		L-2		L-2		L-3		L-3		L-3		L-3	
	Date	1/20/2004		3/16/2004		5/4/2004		9/20/2004		11/18/2004		1/6/2005		1/16/2001		3/28/2001		5/22/2001		10/1/2001	
Analyte	**Unit**																				
Conventionals																					
pH	--	6.52		5		6.44		7		6.52											
Total Solids	%																				
TPH																					
Diesel Range Organics	µg/L	64	U	59	U	72	U	55	U	60	U	32	UJ			510	U	450	UJ	450	U
Residual Range Organics	µg/L	95	U	88	U	110	U	82	U	90	U	47	UJ			1000	U	890	UJ	900	U
Metals																					
Copper	mg/L	0.0009	B	0.0009	U	0.0009	B	0.0008	B	0.0007	B	0.0009	U								
Phenols																					
2,3,4,5-Tetrachlorophenol	µg/L																	0.5	UJ		
2,3,5,6-Tetrachlorophenol	µg/L																	0.5	UJ		
Total Tetrachlorophenols	µg/L															1.5	U				
Pentachlorophenol	µg/L	0.12	U	0.095	UJ	0.095	UJ	0.095	U	0.095	U	0.16	J	0.5	UJ	0.5	U	0.5	UJ	0.52	UJ
Dioxins and Furans																					
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	1.445	U	2.169	U	0.865	U	0.405	U	0.358	U	0.428	UJ	2	U	2.4	U	0.5	UJ	0.7	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	1.403	U	2.059	U	0.877	U	0.568	U	0.446	U	0.558	UJ	2.1	U	4.2	U	0.5	UJ	0.8	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.351	U	2.108	U	0.81	U	0.652	U	0.271	U	0.394	UJ	2.1	U	2.8	J	0.7	UJ	0.9	U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.659	U	2.545	U	0.921	U	0.674	U	0.302	U	0.426	UJ	1.9	U	2.8	J	0.7	UJ	0.85	J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.47	U	2.272	U	0.847	U	0.607	U	0.511	UJ	0.376	UJ	2.1	U	4	J	0.7	UJ	0.9	U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	3.54	J	4.045	J	2.588	J	3.667	UJ	3.967	UJ	5.241	UJ	3.2	U	8.4	U	3.7	UJ	7	J
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	21.456	UJ	24.926	J	14.254	UJ	19.322	UJ	23.265	UJ	31.759	UJ	40.3	UJB	37	J	21.5	J	72.4	J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	0.941	U	1.746	U	0.49	U	0.699	U	0.615	U	0.706	UJ	1.2	U	2.9	J	0.3	UJ	1.1	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	0.974	U	1.524	U	0.63	U	0.232	U	0.23	U	0.498	UJ	1.5	U	9.1	J	0.3	UJ	2.4	J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	1.01	UJ	1.525	U	0.615	U	0.244	U	0.252	U	0.487	UJ	1.5	U	4.1	J	0.3	UJ	0.4	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.217	UJ	1.291	U	0.68	U	0.426	U	0.797	UJ	0.599	UJ	1.9	J	3.3	UJB	1.4	UJ	0.77	J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.2	J	1.432	U	0.764	U	0.455	U	0.194	U	0.413	UJ	1	U	2.8	U	0.7	UJ	0.7	U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	1.058	U	1.477	U	0.871	UJ	0.512	U	0.219	U	0.446	UJ	1.5	U	5	J	0.6	UJ	0.8	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.465	J	1.355	U	0.748	U	0.48	U	0.196	U	0.368	UJ	1.2	U	2.7	UJB	0.76	J	0.6	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	1.141	U	2.258	U	1.205	U	0.523	U	0.944	UJ	0.751	UJ	1.4	U	4.1	J	0.6	UJ	2.7	U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	1.574	U	3.115	U	1.56	U	0.66	U	0.247	U	0.391	UJ	1.9	U	3.6	J	0.8	UJ	0.9	U
Octachlorodibenzofuran (OCDF)	pg/L	2.806	U	13.671	J	2.13	U	0.867	U	4.952	UJ	2.693	UJ	7.4	UJX	13.9	J	4.6	J	12	J
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	1.445	U	2.169	U	0.865	U	0.405	U	0.358	U	0.428	U	2	U	2.4	U	0.5	UJ	3.4	UJ
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	1.403	U	2.059	U	0.877	U	0.568	U	0.446	U	0.558	U	2.1	U	4.2	U	0.5	UJ	0.8	U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	1.659	U	2.545	U	0.921	U	0.652	U	0.53		0.394	U	2	U	9.6		8.1	UJ	0.85	J
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	3.54		4.045		2.588		16.729		7.448		15.957		3.2	U	2.4		2.4	J	11.6	J
Tetrachlorodibenzofurans (TCDF), Total	pg/L	0.941	U	1.746	U	0.49	U	0.699	U	0.615	U	0.706	U	1.2	U	2.9		0.9	UJ	6	U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	0.86	U	1.525	U	0.615	U	0.244	U	0.252	U	0.487	U	1.5	U	13.2		1.3	UJX	2.4	J
Hexachlorodibenzofurans (HxCDF), Total	pg/L	2.665		1.432	U	0.764	U	0.426	U	0.797	U	0.383	U	1.9		11	UJB	2.9	J	3.8	J
Heptachlorodibenzofurans (HpCDF), Total	pg/L	1.141	U	2.258	U	1.205	U	0.523	U	2.031		2.307		1.6	U	10.1		1.9	J	6.4	J
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0		0		0		0		0		0		0		0		0		0	

Table 7-1. Lysimeter Porewater: Conventionals, Metals, Phenols, Dioxins/Furans, and TPH Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-3		L-3		L-3		L-3		L-3		L-3		L-3		L-3		L-3	
	Sample ID	L-3		L-3		L-3A		L-3		L-3A		L-3		L-3		L-3		L-3	
	Date	12/17/2001		2/11/2002		2/11/2002		4/10/2002		4/10/2002		10/21/2002		12/16/2002		2/5/2003		4/11/2003		LYSIMETER-3 4/30/2003	
Analyte	Unit					Field blank				Field blank											
Conventionals																					
pH	--																				
Total Solids	%																				
TPH																					
Diesel Range Organics	µg/L	450	U	280	U	250	U	250	U	250	U	45	U	45	U	46	U	36	U		
Residual Range Organics	µg/L	900	U	560	U	500	U	500	U	500	U	30	U	500	U	31	U	54	U		
Metals																					
Copper	mg/L																				
Phenols																					
2,3,4,5-Tetrachlorophenol	µg/L																				
2,3,5,6-Tetrachlorophenol	µg/L																				
Total Tetrachlorophenols	µg/L																				
Pentachlorophenol	µg/L	0.31	J	0.2	U	0.2	U	0.2	U	0.2	U	0.06	U	13		0.5	U	0.5	U		
Dioxins and Furans																					
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	21.1	R	2.6	U	1	U	6.3				1.95	U	2.238	U	0.569	U			0.885	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	23.1	R	2.7	U	1.1	U	8.3				2.996	U	1.955	U	0.679	U			1.072	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	20.7	R	3.5	U	4.1	U	9.3				2.689	U	2.019	U	0.878	U			1.212	U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	22	R	3.6	U	1.5	U	8.8				2.869	U	2.242	U	1.074	U			1.419	U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	21.3	R	3.3	U	1.4	U	8.9				2.723	U	2.085	U	0.953	U			1.286	U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	27.5	R	6.1	U	2.6	U	8.7	J			3.288	U	2.96	U	1.636	U			1.898	U
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	435	R	54.4	J	5.3	J	116	B			56.513	UJ	21.642	J	26.357	UJ			15.161	UJ
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	15.7	R	2.2	U	0.9	U	4.5				2.758	U	2.807	U	0.616	U			1.03	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	17.6	R	1.9	U	0.8	U	7.3				2.799	U	1.803	U	0.606	U			0.818	U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	14.5	R	1.5	U	0.7	U	4.5				2.337	U	1.551	U	0.566	U			0.814	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	13.3	R	3.3	U	1.6	UJ	8.2	J			2.049	U	1.68	U	0.461	U			0.585	U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	13.6	R	2.7	U	1	U	5.5				2.124	U	1.7	U	0.466	U			0.598	U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	20.7	R	3.3	U	1.4	U	8.7				2.671	U	1.988	U	0.628	U			0.801	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	13.6	R	2.4	U	1	U	5.8				2.171	U	1.867	U	0.523	U			0.64	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	18.4	R	3.6	U	1.4	U	6.9				2.723	U	2.13	U	1.144	U			1.321	U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	22.4	R	5.4	U	1.9	U	8.2				4.235	U	3.717	U	2.067	U			2.135	U
Octachlorodibenzofuran (OCDF)	pg/L	83.2	R	10.6	J	2.1	U	18.9	UJ			61.118	UJ	7.215	U	3.672	U			5.506	U
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	21.1	R	2.6	U	3.6	U	6.3				1.95	U	2.238	U	0.569	U			0.885	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	23.1	R	6.2	U	3.8		8.3				2.996	U	1.955	U	0.679	U			1.072	U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	21.3	R	8.5		11.8	U	8.8				2.869	U	2.242	U	1.074	U			1.419	U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	27.5	R	6.1	U	2.6	U	15.8				3.288	U	2.96	U	1.636	U			1.898	U
Tetrachlorodibenzofurans (TCDF), Total	pg/L	15.9	R	4.3	U	0.9	U	4.5				2.758	U	2.807	U	0.616	U			1.03	U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	15.9	R	1.7	U	0.7	U	4.5				2.337	U	1.551	U	0.566	U			0.814	U
Hexachlorodibenzofurans (HxCDF), Total	pg/L	14.7	R	3.3	U	1.6		5.5				2.049	U	1.7	U	0.466	U			0.598	U
Heptachlorodibenzofurans (HpCDF), Total	pg/L	20.1	R	4.2	U	1.6	U	5.3				2.723	U	2.13	U	1.144	U			1.321	U
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0		0		0		22.5276				0		0		0				0	

Table 7-1. Lysimeter Porewater: Conventionals, Metals, Phenols, Dioxins/Furans, and TPH Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-3		L-3		L-3		L-3		L-3		L-3		L-3		L-3		L-4		L-4	
	Sample ID	L-3A		L-3		LYS-3		L-3		L-3		L-3		L-3		L-3		L-4		L-4	
	Date	9/2/2003		11/6/2003		1/20/2004		3/16/2004		5/4/2004		9/20/2004		11/18/2004		1/6/2005		2/5/2003		4/11/2003	
Analyte	Unit	Field blank																			
Conventionals																					
pH	--					7.1		5.5		6.62		6.55		6.5							
Total Solids	%																				
TPH																					
Diesel Range Organics	µg/L	52	U	72	U	41	U	43	U	72	U	37	U	60	U	48	UJ	46	U	36	U
Residual Range Organics	µg/L	78	U	110	U	62	U	64	U	110	U	56	U	90	U	70	UJ	31	U	54	U
Metals																					
Copper	mg/L	0.0002	U	0.0002	U	0.0002	U	0.0009	U	0.0002	U	0.0003	U	0.0003	U	0.0004	U			1.3	
Phenols																					
2,3,4,5-Tetrachlorophenol	µg/L																				
2,3,5,6-Tetrachlorophenol	µg/L																				
Total Tetrachlorophenols	µg/L																				
Pentachlorophenol	µg/L	0.78		0.15	J	0.12	U	0.095	UJ	0.095	UJ	0.095	U	0.095	U	0.095	UJ	0.18	J		
Dioxins and Furans																					
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	1.767	U	3.051	U	1.503	U	1.886	U	0.731	U	0.1	U	0.388	U	0.268	UJ	0.61	U		
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	1.122	U	2.359	U	1.42	U	1.203	U	0.684	U	0.213	U	0.306	U	0.494	UJ	0.601	U		
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.53	U	2.186	U	1.176	U	1.421	U	1.153	U	0.234	U	0.219	U	0.377	UJ	0.834	U		
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.657	U	2.581	U	1.413	U	1.694	U	1.277	U	0.239	U	0.232	U	0.416	UJ	1.022	U		
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	1.478	U	2.207	U	1.265	U	1.522	U	1.188	U	0.215	U	0.207	U	0.364	UJ	0.905	U		
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	2.07	U	18.603	J	2.476	U	1.81	U	2.288	J	3.076	UJ	1.875	UJ	2.862	UJ	1.113	U		
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	6.379	UJ	162.14	B	10.88	UJ	10.443	UJ	22.89	UJ	26.418	UJ	14.076	UJ	24.43	UJ	10.307	UJ		
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	1.475	U	3.079	U	0.679	U	1.126	U	0.392	U	0.284	U	0.534	U	0.567	UJ	0.746	U		
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	1.111	U	1.849	U	1.043	U	1.064	U	0.577	U	0.211	U	0.256	U	0.29	UJ	0.591	U		
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	1.097	U	1.94	U	0.935	U	1.041	U	0.548	U	0.132	U	0.292	U	0.287	UJ	0.516	U		
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	0.935	U	1.736	U	0.768	U	0.974	U	0.589	U	0.179	U	0.562	UJ	0.654	J	0.574	U		
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	0.929	U	1.758	U	0.886	U	1.136	U	0.686	U	0.191	U	0.19	U	0.241	UJ	0.585	U		
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	1.163	U	1.936	U	1.004	U	1.115	U	0.781	UJ	0.21	U	0.208	U	0.25	UJ	0.776	U		
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	0.972	U	1.892	U	0.82	U	1.099	U	0.663	U	0.192	U	0.173	U	0.222	UJ	0.657	U		
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	1.324	U	2.413	U	1.045	U	1.851	U	1.083	U	0.678	UJ	0.394	UJ	0.831	UJ	1.04	U		
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	1.84	U	3.061	U	1.443	U	2.55	U	1.502	U	0.369	U	0.277	U	0.267	UJ	1.76	U		
Octachlorodibenzofuran (OCDF)	pg/L	2.595	U	16.654	J	2.72	U	3.103	U	4.024	UJ	5.431	J	2.023	UJ	4.879	UJ	3.872	U		
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	1.767	U	3.051	U	1.503	U	1.886	U	0.731	U	0.1	U	0.388	U	0.268	U	0.61	U		
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	1.122	U	2.359	U	1.42	U	1.203	U	0.684	U	0.213	U	0.306	U	0.494	U	0.601	U		
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	1.657	U	2.581	U	1.413	U	1.694	U	1.277	U	0.234	U	0.219	U	0.377	U	0.905	U		
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	2.07	U	18.603		2.476	U	1.81	U	2.288		1.95		1.875	U	5.365		1.113	U		
Tetrachlorodibenzofurans (TCDF), Total	pg/L	1.475	U	3.079	U	0.679	U	1.126	U	0.392	U	0.284	U	0.534	U	0.567	U	0.746	U		
Pentachlorodibenzofurans (PeCDF), Total	pg/L	1.097	U	1.94	U	0.935	U	1.041	U	0.548	U	0.132	U	0.292	U	0.287	U	0.516	U		
Hexachlorodibenzofurans (HxCDF), Total	pg/L	0.929	U	1.758	U	0.886	U	1.136	U	0.686	U	0.179	U	0.151	U	0.654		0.574	U		
Heptachlorodibenzofurans (HpCDF), Total	pg/L	1.324	U	6.986		1.045	U	1.851	U	2.02		0.285	U	0.394	U	2.746		1.04	U		
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0		0.01621		0		0		0		0		0		0		0			

Table 7-1. Lysimeter Porewater: Conventionals, Metals, Phenols, Dioxins/Furans, and TPH Analyses

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	L-4	
	Sample ID	LYSIMETER-4	
	Date	4/30/2003	
Analyte	**Unit**		
Conventionals			
pH	--		
Total Solids	%		
TPH			
Diesel Range Organics	µg/L		
Residual Range Organics	µg/L		
Metals			
Copper	mg/L		
Phenols			
2,3,4,5-Tetrachlorophenol	µg/L		
2,3,5,6-Tetrachlorophenol	µg/L		
Total Tetrachlorophenols	µg/L		
Pentachlorophenol	µg/L		
Dioxins and Furans			
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	1.778	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	2.137	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	2.775	U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	3.146	U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	2.897	U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	10.457	J
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	70.013	J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	2.641	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	2.085	U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	1.985	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	6.346	J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.683	U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/L	2.454	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	1.938	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	10.898	J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	4.247	R
Octachlorodibenzofuran (OCDF)	pg/L	20.251	J
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	1.778	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	2.137	U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	3.146	U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	22.91	
Tetrachlorodibenzofurans (TCDF), Total	pg/L	2.641	U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	1.985	U
Hexachlorodibenzofurans (HxCDF), Total	pg/L	12.063	
Heptachlorodibenzofurans (HpCDF), Total	pg/L	10.898	
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0	

Notes

% = percent.

µg/L = microgram per liter.

B = analyte was detected in the associated laboratory or field blank in addition to the sample.

i = method reporting limit and/or method detection limit had been elevated because of chromatographic interference.

J = analyte is an estimated quantity.

mg/L = milligram per liter.

pg/L = picogram per liter.

R = Analytical results are not useable because of major exceedances of quality control criteria. The analyte may or may not be present.

TPH = total petroleum hydrocarbons.

U = analyte not detected above the laboratory reporting limit.

UJ = analyte not detected above the estimated laboratory reporting limit.

X = ion ratios did not meet criteria for dioxin identification and results are considered as undetected.

Y = the chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct calibration range, but the elution pattern does not match the calibration standard.

8. Residential Well Data

Table 8-1. Residential Well Data

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Station	Sample ID	Sample Type	Date	2,3,4,5-Tetrachlorophenol (µg/L)		2,3,5,6-Tetrachlorophenol (µg/L)		Pentachlorophenol (µg/L)	
10Q01	10Q01		6/26/2001	0.5	U	0.5	U	0.5	U
10Q01	10Q01		1/14/2002	0.4	U	0.4	U	0.2	U
10Q01	10Q01		7/16/2002	0.4	U	0.4	U	0.2	U
10Q02	10Q02		6/26/2001	0.5	U	0.5	U	0.5	U
10Q02	10Q02		1/14/2002	0.4	U	0.4	U	0.2	U
10Q02	10Q02		7/16/2002	0.4	U	0.4	U	0.2	U
10Q03	10Q03		6/26/2001	0.5	U	0.5	U	0.5	U
10Q03	10Q03		1/14/2002	0.4	U	0.4	U	0.2	U
10Q03	10Q03		7/16/2002	0.4	U	0.4	U	0.2	U
10Q04	10Q04		6/26/2001	0.5	U	0.5	U	0.5	U
10Q04	10Q04		1/14/2002	0.4	U	0.4	U	0.2	U
10Q04	10QAA	Dup	1/14/2002	0.4	U	0.4	U	0.2	U
10Q04	10Q04		7/16/2002	0.4	U	0.4	U	0.2	U
10Q05	10Q05		6/26/2001	0.5	U	0.5	U	0.5	U
10Q05	10Q05		1/15/2002	0.4	U	0.4	U	0.2	U
10Q05	10Q05		7/16/2002	0.4	U	0.4	U	0.2	U
10Q06	10Q06		6/26/2001	0.5	U	0.5	U	0.5	U
10Q06	10QXX		6/26/2001	0.5	U	0.5	U	0.5	U
10Q06	10Q06		1/14/2002	0.4	U	0.4	U	0.2	U
10Q06	10Q06		7/16/2002	0.4	U	0.4	U	0.2	U
10Q07	10Q07		6/26/2001	0.6	U	0.5	U	0.5	U
10Q07	10Q07		1/14/2002	0.4	U	0.4	U	0.2	U
10Q07	10Q07		7/16/2002	0.4	U	0.4	U	0.2	U
10Q08	10Q08		6/26/2001	0.5	U	0.5	U	0.5	U
10Q08	10Q08		1/14/2002	0.4	U	0.4	U	0.2	U
10Q08	10Q08		7/16/2002	0.4	U	0.4	U	0.2	U
10QBB	10QBB	Field blank	1/14/2002	0.4	U	0.4	U	0.2	U
15A01	15A01		6/26/2001	0.5	U	0.5	U	0.5	U
15A01	15A01		1/14/2002	0.4	U	0.4	U	0.2	U
15A01	15A01		7/16/2002	0.4	U	0.4	U	0.2	U
15B01	15B01		6/26/2001	0.5	U	0.5	U	0.5	U
15B01	15BZZ	Dup	6/26/2001	0.5	U	0.5	U	0.5	U
15B03	15B03		6/26/2001	0.5	U	0.5	U	0.5	U
15B03	15B03		1/14/2002	0.4	U	0.4	U	0.2	U
15B03	15B03		7/16/2002	0.4	U	0.4	U	0.2	U
15B04	15B04		6/26/2001	0.5	U	0.5	U	0.5	U
15B04	15B04		1/14/2002	0.4	U	0.4	U	0.2	U
15B04	15B04		7/16/2002	0.4	U	0.4	U	0.2	U
15F01	15F01		6/26/2001	0.5	U	0.5	U	0.5	U
15F01	15F01		1/14/2002	0.4	U	0.4	U	0.2	U
15F01	15F01		7/17/2002	0.4	U	0.4	U	0.2	U
15F02	15F02		6/26/2001	0.5	U	0.5	U	0.5	U
15F02	15F02		1/14/2002	0.4	U	0.4	U	0.2	U
15F02	15F02		7/16/2002	0.4	U	0.4	U	0.2	U
15F03	15F03		6/26/2001	0.5	U	0.5	U	0.5	U
15F03	15F03		1/14/2002	0.4	U	0.4	U	0.2	U
15F03	15F03		7/16/2002	0.4	U	0.4	U	0.2	U
22FB	22FB	Field blank	6/26/2001	0.5	U	0.5	U	0.5	U
22H02	22H02		6/26/2001	0.5	U	0.5	U	0.5	U
22H02	22H02		1/14/2002	0.4	U	0.4	U	0.2	U
22H02	22H02		7/17/2002	0.4	U	0.4	U	0.2	U
22J01	22J01		6/26/2001	0.5	U	0.5	U	0.5	U
22J01	22J01		1/15/2002	0.4	U	0.4	U	0.2	U
22J01	22J01		7/17/2002	0.4	U	0.4	U	0.2	U
22J02	22J02		6/26/2001	0.5	U	0.5	U	0.5	U
22J02	22J02		1/15/2002	0.4	U	0.4	U	0.2	U

Table 8-1. Residential Well Data

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Station	Sample ID	Sample Type	Date	2,3,4,5-Tetrachlorophenol (µg/L)		2,3,5,6-Tetrachlorophenol (µg/L)		Pentachlorophenol (µg/L)	
22J02	22J02		7/16/2002	0.4	U	0.4	U	0.2	U
22L01	22L01		6/26/2001	1.2	U	0.5	U	0.5	U
22L01	22DUP	Dup	6/26/2001	0.5	U	0.5	U	0.5	U
22L01	22L01		1/15/2002	0.4	U	0.4	U	0.2	U
22L01	22XX	Dup	1/15/2002	0.4	U	0.4	U	0.2	U
22L01	22L01		7/17/2002	0.4	U	0.4	U	0.2	U
22YY	22YY	Field blank	1/15/2002	0.4	U	0.4	U	0.2	U
23D01	23D01		6/26/2001	0.5	U	0.5	U	0.5	U
23D01	23D01		1/14/2002	0.4	U	0.4	U	0.2	U
23D02	23D02		6/26/2001	0.5	U	0.5	U	0.5	U
23D02	23D02		1/15/2002	0.4	U	0.4	U	0.2	U
23D02	23D02		7/17/2002	0.4	U	0.4	U	0.2	U

Notes

µg/L = microgram per liter.

U = analyte not detected above the laboratory reporting limit.

9. Base Oil Analytical Data

Table 9-1. Base Oil Data: PAHs and TPH Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Sample ID	Base Oil	
	Date	1/15/2001	
Analyte	Unit		
TPH			
Diesel Range Organics	µg/kg	1,000,000,000	
Oil Range Organics	µg/kg	2,000,000	J
PAHs			
2-Methylnaphthalene	µg/kg	4,800,000	
Acenaphthene	µg/kg	12,000	U
Acenaphthylene	µg/kg	12,000	U
Anthracene	µg/kg	380,000	
Benzo(a)anthracene	µg/kg	12,000	U
Benzo(a)pyrene	µg/kg	12,000	U
Benzo(b)fluoranthene	µg/kg	12,000	U
Benzo(g,h,i)perylene	µg/kg	12,000	U
Benzo(k)fluoranthene	µg/kg	12,000	U
Carbazole	µg/kg	20,000	U
Chrysene	µg/kg	12,000	U
Dibenz(a,h)anthracene	µg/kg	12,000	U
Dibenzofuran	µg/kg	480,000	
Fluoranthene	µg/kg	20,000	
Fluorene	µg/kg	1,400,000	
Indeno(1,2,3-cd)pyrene	µg/kg	12,000	U
Naphthalene	µg/kg	320,000	
Phenanthrene	µg/kg	3,400,000	
Pyrene	µg/kg	71,000	
Total PAHs (calculated)	µg/kg	5,591,000	

Notes

µg/kg = microgram per kilogram.

J = analyte is an estimated quantity.

PAHs = polycyclic aromatic hydrocarbons.

TPH = total petroleum hydrocarbons.

U = analyte not detected above the laboratory reporting limit.

10. Stormwater Pilot Project Data

Table 10-1. Stormwater Pilot Project: Conventionals, Metals, Dioxins/Furans, TPH, and SVOCs Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	Ditch #3	FIELD		FIELD	FIELD		FIELD		FIELD	
	Sample ID	Ditch #3 (nv)	062702-BATCH		062702-CL	062702-EFF		062702-INF	
	Date	1/28/2003	6/27/2002		6/27/2002	6/27/2002		6/27/2002	
Analyte	**Unit**								
Conventionals									
Alkalinity, Total as $CaCO_3$	mg/L	33							
Hardness, Total	mg/L	119							
pH	--								
Solids, Total Suspended (TSS)	mg/L		7		16	5	U	5	U
Metals									
Copper, Dissolved	mg/L	0.0113							
Copper, Total	mg/L	0.0893							
Iron, Dissolved	mg/L	3.71							
Iron, Total	mg/L	43.2							
TPH									
Diesel Range Organics	µg/L		45	U		45	U		
Residual Range Organics	µg/L		30	U		30	U		
SVOCs									
Pentachlorophenol	µg/L	900	0.06	U		0.06	U	0.06	U
Dioxins and Furans									
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L		3.155	U		3.438	U	3.777	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L		2.888	U		3.789	U	3.435	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		3.359	U		3.686	U	5.346	UJ
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		3.698	U		4.058	U	13.821	UJ
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		3.455	U		3.788	U	15.65	J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L		5.66	U		5.683	U	427.758	
Octachlorodibenzo-p-dioxin (OCDD)	pg/L		19.331	J		21.298	J	2911.671	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L		3.296	U		4.575	U	4.916	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L		1.974	U		3.097	U	3.112	U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L		1.892	U		2.764	U	2.89	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		1.704	U		2.542	U	3.268	U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		1.733	U		2.515	U	3.4	U
1,2,3,7,8,9-hexachlorodibenzofuran (HxCDF)	pg/L		2.5	U		3.864	U	5.025	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		1.899	U		2.786	U	3.562	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L		3.437	U		3.254	U	70.822	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L		5.319	U		5.519	U	8.58	U
octachlorodibenzofuran (OCDF)	pg/L		9.411	U		10.498	U	189.504	
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L		3.155	U		3.438	U	3.777	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L		2.888	U		3.789	U	6.073	
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L		3.698	U		4.058	U	148.7	
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L		5.66	U		5.683	U	916.262	
Tetrachlorodibenzofurans (TCDF), Total	pg/L		3.296	U		4.575	U	7.041	
Pentachlorodibenzofurans (PeCDF), Total	pg/L		1.892	U		2.764	U	15.032	
Hexachlorodibenzofurans (HxCDF), Total	pg/L		1.733	U		2.515	U	44.248	
Heptachlorodibenzofurans (HpCDF), Total	pg/L		3.437	U		3.254	U	165.182	
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L		0			0		5.295918	

Table 10-1. Stormwater Pilot Project: Conventionals, Metals, Dioxins/Furans, TPH, and SVOCs Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	FIELD	FIELD	FIELD	FIELD	FIELD
	Sample ID	RINSATE (nv)	BATCH-071802	CL-071802	Ditch Test Tank	EFF-071802
	Date	7/16/2002	7/18/2002	7/18/2002	7/30/2002	7/18/2002
Analyte	**Unit**					
Conventionals						
Alkalinity, Total as $CaCO_3$	mg/L					
Hardness, Total	mg/L					
pH	--		9.35	6	8.88	9.98
Solids, Total Suspended (TSS)	mg/L		5 U	5 U		5 U
Metals						
Copper, Dissolved	mg/L					
Copper, Total	mg/L					
Iron, Dissolved	mg/L					
Iron, Total	mg/L					
TPH						
Diesel Range Organics	µg/L	350			240 U	
Residual Range Organics	µg/L	240			480 U	
SVOCs						
Pentachlorophenol	µg/L	0.79	0.59	3.4		0.2 U
Dioxins and Furans						
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L		2.156 U	2.106 U		3.477 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L		2.308 U	2.384 U		3.372 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		2.628 U	2.943 U		3.571 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		2.799 U	3.192 U		3.744 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		2.568 U	8.151 J		3.46 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L		44.688	104.08		29.995
Octachlorodibenzo-p-dioxin (OCDD)	pg/L		1049.266	479.543		357.314
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L		2.148 U	2.342 U		3.738 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L		2.128 U	1.73 U		3.323 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L		2.029 U	1.648 U		3.118 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		1.977 U	1.954 U		2.375 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		1.886 U	1.948 U		2.477 U
1,2,3,7,8,9-hexachlorodibenzofuran (HxCDF)	pg/L		3.142 U	2.597 U		4.163 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		2.077 U	2.071 U		2.743 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L		14.821 J	28.52		7.489 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L		6.457 U	4.644 U		5.09 U
octachlorodibenzofuran (OCDF)	pg/L		250.669 J	51.476		33.556 J
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L		2.156 U	2.106 U		3.477 U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L		2.308 U	2.384 U		3.372 U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L		2.799 U	44.432		3.46 U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L		72.203	213.362		56.377
Tetrachlorodibenzofurans (TCDF), Total	pg/L		2.148 U	16.492		3.738 U
Pentachlorodibenzofurans (PeCDF), Total	pg/L		2.029 U	21.968		3.118 U
Hexachlorodibenzofurans (HxCDF), Total	pg/L		5.91	47.568		2.375 U
Heptachlorodibenzofurans (HpCDF), Total	pg/L		104.332	60.291		21.665
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L		0.551807	1.379102		0.335681

Table 10-1. Stormwater Pilot Project: Conventionals, Metals, Dioxins/Furans, TPH, and SVOCs Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	FIELD	FIELD	FIELD	Sump 6	SW-1B
	Sample ID	HT-1	INF-071802	RINSATE	Kiln Ditch (nv)	SW-1B
	Date	8/8/2002	7/18/2002	6/28/2002	1/28/2003	12/16/2002
Analyte	**Unit**					
Conventionals						
Alkalinity, Total as $CaCO_3$	mg/L				31	
Hardness, Total	mg/L				123	
pH	--	7.17	8.13			
Solids, Total Suspended (TSS)	mg/L		32			
Metals						
Copper, Dissolved	mg/L				0.0103	
Copper, Total	mg/L				0.0871	
Iron, Dissolved	mg/L				4.82	
Iron, Total	mg/L				47	
TPH						
Diesel Range Organics	µg/L			630 Z		45 U
Residual Range Organics	µg/L			2500 Z		500 U
SVOCs						
Pentachlorophenol	µg/L		3.3	0.46 JP	250	0.06 U
Dioxins and Furans						
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L		15.733		38.462	4.07 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L		215.973		574.089	4.013 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		658.286		1442.783	3.833 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		1173.842		4434.464	4.111 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L		1330.074		3205.797	3.879 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L		31365.36 J		108844.3	18.284 J
Octachlorodibenzo-p-dioxin (OCDD)	pg/L		225883.3 J		414828.2	202.231
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L		5.568 U		38.793 C	4.483 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L		29.116		113.616	3.331 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L		34.551		108.061	2.538 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		240.601		688.512	2.353 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		237.484		489.408	2.392 U
1,2,3,7,8,9-hexachlorodibenzofuran (HxCDF)	pg/L		46.318 U		148.838	3.793 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L		467.876		1132.97	2.474 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L		8170.814		22036.66	6.58 UJ
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L		409.528		1386.319	6.469 U
octachlorodibenzofuran (OCDF)	pg/L		35614.92		138360	40.392 J
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L		32.84		176.883	4.07 U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L		666.663		2121.582	4.013 U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L		8667.199		23387.2	4.111 U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L		56277.84		195355.5	18.284
Tetrachlorodibenzofurans (TCDF), Total	pg/L		209.859		783.109	4.483 U
Pentachlorodibenzofurans (PeCDF), Total	pg/L		2267.951		6812.68	2.538 U
Hexachlorodibenzofurans (HxCDF), Total	pg/L		9134.865		16612.65	2.392 U
Heptachlorodibenzofurans (HpCDF), Total	pg/L		26427.4		90195.14	12.92
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L		750.6185		0	0.020223

Table 10-1. Stormwater Pilot Project: Conventionals, Metals, Dioxins/Furans, TPH, and SVOCs Analyses

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	SW-2E	
	Sample ID	SW-2E	
	Date	12/16/2002	
Analyte	**Unit**		
Conventionals			
Alkalinity, Total as $CaCO_3$	mg/L		
Hardness, Total	mg/L		
pH	--		
Solids, Total Suspended (TSS)	mg/L		
Metals			
Copper, Dissolved	mg/L		
Copper, Total	mg/L		
Iron, Dissolved	mg/L		
Iron, Total	mg/L		
TPH			
Diesel Range Organics	µg/L	45	U
Residual Range Organics	µg/L	500	U
SVOCs			
Pentachlorophenol	µg/L	0.06	U
Dioxins and Furans			
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/L	3.497	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/L	3.898	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	3.813	U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	4.221	U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	3.931	U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/L	6.292	U
Octachlorodibenzo-p-dioxin (OCDD)	pg/L	12.477	U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/L	3.868	U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	3.806	U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/L	2.804	U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	2.224	U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	2.503	U
1,2,3,7,8,9-hexachlorodibenzofuran (HxCDF)	pg/L	4.019	U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/L	2.45	U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/L	3.09	U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/L	5.571	U
octachlorodibenzofuran (OCDF)	pg/L	12.944	U
Tetrachlorodibenzo-p-dioxins (TCDD), Total	pg/L	3.497	U
Pentachlorodibenzo-p-dioxin (PeCDD), Total	pg/L	3.898	U
Hexachlorodibenzo-p-dioxins (HxCDD), Total	pg/L	4.221	U
Heptachlorodibenzo-p-dioxins (HpCDD), Total	pg/L	6.292	U
Tetrachlorodibenzofurans (TCDF), Total	pg/L	3.868	U
Pentachlorodibenzofurans (PeCDF), Total	pg/L	2.804	U
Hexachlorodibenzofurans (HxCDF), Total	pg/L	2.503	U
Heptachlorodibenzofurans (HpCDF), Total	pg/L	3.09	U
2,3,7,8-TCDD equivalent (TEQ-WHO)	pg/L	0	

Notes

µg/L = microgram per liter.

C = indicates an estimated value. Used when the analyte concentration exceeds the upper end of the cailbration range.

J = analyte is an estimated quantity.

mg/L = milligram per liter.

pg/L = picogram per liter.

SVOCs = semivolatile organic compounds.

TPH = total petroleum hydrocarbons.

U = analyte not detected above the laboratory reporting limit.

UJ = analyte not detected above the estimated laboratory reporting limit.

11. Nonaqueous-Phase Liquid Monitoring and Recovery Data

Table 11-1. Nonaquaeous-Phase Liquid Monitoring and Recovery Data: MW-12 (2005-2007)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Date	LNAPL Depth (feet)	Groundwater Depth (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)	LNAPL Elevation (feet)	Relative Groundwater Elevation (feet)	Relative LNAPL Elevation (feet)	LNAPL Extracted (liters)	Water Extracted (liter)	Total Extracted (liters)	Remarks
9/22/2005	34.86	36.18	1.32	107.61	108.93	2.61	3.93	2.82	19.9	22.72	
9/23/2005	35.15	35.25	0.1	108.54	108.64	3.54	3.64	trace	15.3	15.3	
9/26/2005	36.04	36.04	0	107.75	107.75	2.75	2.75				
9/27/2005	36.23	36.23	0	107.56	107.56	2.56	2.56				
9/28/2005	36.25	36.6	0.35	107.19	107.54	2.19	2.54				
9/29/2005	36.15	36.4	0.25	107.39	107.64	2.39	2.64				
9/30/2005	36.4	36.9	0.5	106.89	107.39	1.89	2.39				
10/3/2005	36.82	37.2	0.38	106.59	106.97	1.59	1.97				
10/5/2005	36.98	37.55	0.57	106.24	106.81	1.24	1.81				
10/7/2005	37.25	37.72	0.47	106.07	106.54	1.07	1.54				
10/10/2005	37.52	37.9	0.38	105.89	106.27	0.89	1.27				
10/21/2005	38.1	38.5	0.4	105.29	105.69	0.29	0.69				
10/25/2005	38	38.45	0.45	105.34	105.79	0.34	0.79	0.125	0.205	0.33	Installed sock at 13:15, removed at 15:15
10/27/2005	38	38.35	0.35	105.44	105.79	0.44	0.79				
10/31/2005	38.24	38.35	0.11	105.44	105.55	0.44	0.55				
11/2/2005	37.85	38.3	0.45	105.49	105.94	0.49	0.94				
11/9/2005	37.25	37.3	0.05	106.49	106.54	1.49	1.54				
11/14/2005	35.75	35.8	0.05	107.99	108.04	2.99	3.04				
11/28/2005	32.65	32.65	0	111.14	111.14	6.14	6.14				
12/8/2005	31.55	31.6	0.05	112.19	112.24	7.19	7.24				
12/13/2005	31.05	31.1	0.05	112.69	112.74	7.69	7.74				
12/18/2005	30.88	31.68	0.8	112.11	112.91	7.11	7.91				
12/29/2005	30.72	31.5	0.78	112.29	113.07	7.29	8.07				
1/3/2006	30.15	30.85	0.7	112.94	113.64	7.94	8.64				
1/13/2006	28.33	28.85	0.52	114.94	115.46	9.94	10.46				
1/18/2006	27.23	28	0.77	115.79	116.56	10.79	11.56				
1/24/2006	26.4	27	0.6	116.79	117.39	11.79	12.39				
2/1/2006	25.96	26.3	0.34	117.49	117.83	12.49	12.83				
2/7/2006	25.13	25.65	0.52	118.14	118.66	13.14	13.66				
2/17/2006	24.94	25.95	1.01	117.84	118.85	12.84	13.85				
2/21/2006	25.04	26.05	1.01	117.74	118.75	12.74	13.75				
3/1/2006	25.48	27.1	1.62	116.69	118.31	11.69	13.31				Installed absorbant sock
3/22/2006	25.97	27	1.03	116.79	117.82	11.79	12.82	0.631	0.079	0.71	Measurement after sock removal, reinstalled sock
3/29/2006	26.25	26.85	0.6	116.94	117.54	11.94	12.54	0.907	0.039	0.946	Measurement after sock removal, reinstalled sock
4/6/2006	26.55	26.6	0.05	117.19	117.24	12.19	12.24	0.939	0.011	0.95	Measurement after sock removal, reinstalled sock
4/12/2006	26.55	26.75	0.2	117.04	117.24	12.04	12.24	0.725	0.025	0.75	Measurement after sock removal, reinstalled sock
4/20/2006	26.32	26.35	0.03	117.44	117.47	12.44	12.47	0.937	0.023	0.96	Measurement after sock removal, reinstalled sock
4/27/2006	NM	NM						0.76	0.2	0.96	
5/26/2006	27.7	27.8	0.1	115.99	116.09	10.99	11.09	0.575	0.025	0.6	Measurement after sock removal, not reinstalled

Table 11-1. Nonaquaeous-Phase Liquid Monitoring and Recovery Data: MW-12 (2005-2007)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Date	LNAPL Depth (feet)	Groundwater Depth (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)	LNAPL Elevation (feet)	Relative Groundwater Elevation (feet)	Relative LNAPL Elevation (feet)	LNAPL Extracted (liters)	Water Extracted (liter)	Total Extracted (liters)	Remarks
6/1/2006	27.95	29.15	1.2	114.64	115.84	9.64	10.84				
6/9/2006	28.1	28.5	0.4	115.29	115.69	10.29	10.69				
6/23/2006	28.12	28.6	0.48	115.19	115.67	10.19	10.67				
6/30/2006	28.37	29.07	0.7	114.72	115.42	9.72	10.42				
7/14/2006	29.27	31.3	2.03	112.49	114.52	7.49	9.52				Brown, viscous material coating probe
7/27/2006	29.96	32.01	2.05	111.78	113.83	6.78	8.83				Brown, viscous material coating probe
8/1/2006	30.49	32.86	2.37	110.93	113.3	5.93	8.3				Brown, viscous material coating probe
8/11/2006	31.08	33.6	2.52	110.19	112.71	5.19	7.71				Brown, viscous material coating probe
8/25/2006	31.96	33.98	2.02	109.81	111.83	4.81	6.83				Brown, viscous material coating probe
9/8/2006	32.82	35	2.18	108.79	110.97	3.79	5.97				Brown, viscous material coating probe
9/22/2006	33.52	35.82	2.3	107.97	110.27	2.97	5.27				Brown, viscous material coating probe
10/4/2006	33	34.82	1.82	108.97	110.79	3.97	5.79				Brown, viscous material coating probe
10/12/2006	32.92	34.42	1.5	109.37	110.87	4.37	5.87				Brown, viscous material coating probe
10/26/2006	33.05	34.6	1.55	109.19	110.74	4.19	5.74				Brown, viscous material coating probe
11/17/2006	29.87	30.4	0.53	113.39	113.92	8.39	8.92				
11/22/2006	27.35	28.55	1.2	115.24	116.44	10.24	11.44				
12/4/2006	24.1	26.62	2.52	117.17	119.69	12.17	14.69				
12/14/2006	23.27	24.3	1.03	119.49	120.52	14.49	15.52				
2/2/2007	22.67	24.4	1.73	119.39	121.12	14.39	16.12				
4/19/2007	23.65	25.35	1.7	118.44	120.14	13.44	15.14				
7/17/2007	29.32	32.54	3.22	111.25	114.47	6.25	9.47				
10/9/2007	33.62	38.55	4.93	105.24	110.17	0.24	5.17				
							Total Volume Extracted	**8.419**	**35.807**	**44.226**	

Notes

LNAPL = light nonaqueous-phase liquid

NM = not measured.

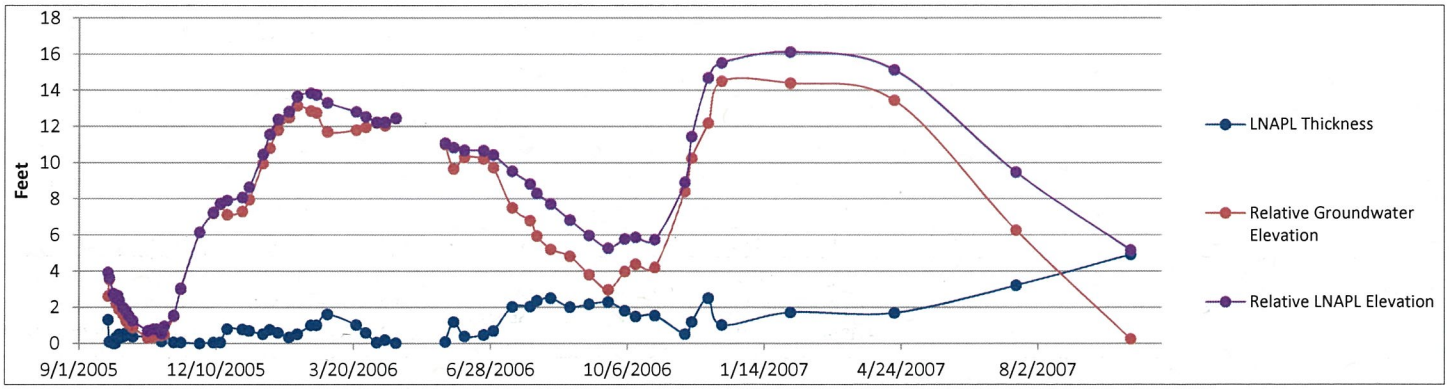

Table 11-2. Nonaquaeous-Phase Liquid Monitoring and Recovery Data: MW-13 (2005-2007)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Date	LNAPL Depth (feet)	Groundwater Depth (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)	LNAPL Elevation (feet)	Relative Groundwater Elevation (feet)	Relative LNAPL Elevation (feet)	LNAPL Extracted (liters)	Water Extracted (liter)	Total Extracted (liters)	Remarks
9/22/2005	29.9	30.76	0.86	115.86	116.72	0.86	1.72	1.48	20.6	22.08	Bailed dry
9/23/2005	29.95	30.12	0.17	116.5	116.67	1.5	1.67				
9/26/2005	30.02	30.35	0.33	116.27	116.6	1.27	1.6				
9/27/2005	30.1	30.39	0.29	116.23	116.52	1.23	1.52				
9/28/2005	30.13	30.45	0.32	116.17	116.49	1.17	1.49				
9/29/2005	30.12	30.39	0.27	116.23	116.5	1.23	1.5				
9/30/2005	30.22	30.52	0.3	116.1	116.4	1.1	1.4				
10/3/2005	30.36	30.74	0.38	115.88	116.26	0.88	1.26				
10/5/2005	30.38	30.78	0.4	115.84	116.24	0.84	1.24				
10/7/2005	30.42	30.82	0.4	115.8	116.2	0.8	1.2				
10/10/2005	30.35	30.75	0.4	115.87	116.27	0.87	1.27				
10/21/2005	29.74	29.9	0.16	116.72	116.88	1.72	1.88				
10/25/2005	29.45	29.64	0.19	116.98	117.17	1.98	2.17				
10/27/2005	29.42	29.55	0.13	117.07	117.2	2.07	2.2	0.19	0.225	0.415	Installed sock 0930, removed 1230
10/31/2005	29.2	29.24	0.04	117.38	117.42	2.38	2.42				
11/2/2005	29.05	29.1	0.05	117.52	117.57	2.52	2.57				
11/9/2005	25.85	25.85	0	120.77	120.77	5.77	5.77				Negative DNAPL check
11/14/2005	24.82	24.85	0.03	121.77	121.8	6.77	6.8				
11/28/2005	23.9	23.95	0.05	122.67	122.72	7.67	7.72				
12/8/2005	23.25	23.35	0.1	123.27	123.37	8.27	8.37				
12/13/2005	23.42	23.62	0.2	123	123.2	8	8.2				
12/19/2005	23.8	24	0.2	122.62	122.82	7.62	7.82				
12/29/2005	23.25	23.52	0.27	123.1	123.37	8.1	8.37				
1/3/2006	22.59	22.74	0.15	123.88	124.03	8.88	9.03				
1/13/2006	21.42	21.62	0.2	125	125.2	10	10.2				
1/18/2006	21.2	21.44	0.24	125.18	125.42	10.18	10.42				
1/24/2006	21.22	21.45	0.23	125.17	125.4	10.17	10.4				
2/1/2006	21.25	21.45	0.2	125.17	125.37	10.17	10.37				
2/7/2006	21.15	21.35	0.2	125.27	125.47	10.27	10.47				
2/17/2006	21.72	21.84	0.12	124.78	124.9	9.78	9.9				
2/21/2006	21.95	22.05	0.1	124.57	124.67	9.57	9.67				
3/1/2006	22.35	22.45	0.1	124.17	124.27	9.17	9.27				
3/16/2006	22.53	22.62	0.09	124	124.09	9	9.09				
3/22/2006	22.73	22.93	0.2	123.69	123.89	8.69	8.89				
3/29/2006	22.97	23.08	0.11	123.54	123.65	8.54	8.65				
4/6/2006	23.02	23.11	0.09	123.51	123.6	8.51	8.6				
4/12/2006	22.94	22.99	0.05	123.63	123.68	8.63	8.68				
4/20/2006	22.8	22.9	0.1	123.72	123.82	8.72	8.82				
5/5/2006	22.65	22.76	0.11	123.86	123.97	8.86	8.97				

Table 11-2. Nonaquaeous-Phase Liquid Monitoring and Recovery Data: MW-13 (2005-2007)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Date	LNAPL Depth (feet)	Groundwater Depth (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)	LNAPL Elevation (feet)	Relative Groundwater Elevation (feet)	Relative LNAPL Elevation (feet)	LNAPL Extracted (liters)	Water Extracted (liter)	Total Extracted (liters)	Remarks
5/12/2006	23.16	23.25	0.09	123.37	123.46	8.37	8.46				
5/26/2006	24.3	24.42	0.12	122.2	122.32	7.2	7.32				
6/1/2006	23.83	23.9	0.07	122.72	122.79	7.72	7.79				
6/9/2006	23.14	23.26	0.12	123.36	123.48	8.36	8.48				
6/23/2006	24.09	24.3	0.21	122.32	122.53	7.32	7.53				
6/30/2006	24.49	24.66	0.17	121.96	122.13	6.96	7.13				
7/14/2006	25.39	25.65	0.26	120.97	121.23	5.97	6.23				
7/27/2006	26.14	26.35	0.21	120.27	120.48	5.27	5.48				
8/1/2006	26.65	27.1	0.45	119.52	119.97	4.52	4.97				
8/11/2006	27.52	27.85	0.33	118.77	119.1	3.77	4.1				
8/25/2006	29.15	29.38	0.23	117.24	117.47	2.24	2.47				
9/8/2006	30.2	30.5	0.3	116.12	116.42	1.12	1.42				
9/22/2006	29.78	29.9	0.12	116.72	116.84	1.72	1.84				
10/4/2006	26.45	26.8	0.35	119.82	120.17	4.82	5.17				
10/12/2006	27.15	27.62	0.47	119	119.47	4	4.47				
10/26/2006	25.82	26.1	0.28	120.52	120.8	5.52	5.8				
11/17/2006	21.22	21.51	0.29	125.11	125.4	10.11	10.4				
11/22/2006	20.72	20.95	0.23	125.67	125.9	10.67	10.9				
12/4/2006	20.14	20.32	0.18	126.3	126.48	11.3	11.48				
12/14/2006	20.55	20.7	0.15	125.92	126.07	10.92	11.07				
1/5/2007	20.14	20.17	0.03	126.45	126.48	11.45	11.48				
1/23/2007	20.37	20.38	0.01	126.24	126.25	11.24	11.25				
2/2/2007	21	21.04	0.04	125.58	125.62	10.58	10.62				
4/19/2007	22.59	22.6	0.01	124.02	124.03	9.02	9.03				
7/17/2007	25.86	25.9	0.04	120.72	120.76	5.72	5.76				
10/9/2007	30.41	30.44	0.03	116.18	116.21	1.18	1.21				
							Total Volume Extracted	**1.67**	**20.825**	**22.495**	

Notes

DNAPL = dense nonaqueous-phase liquid

LNAPL = light nonaqueous-phase liquid

NM = not measured.

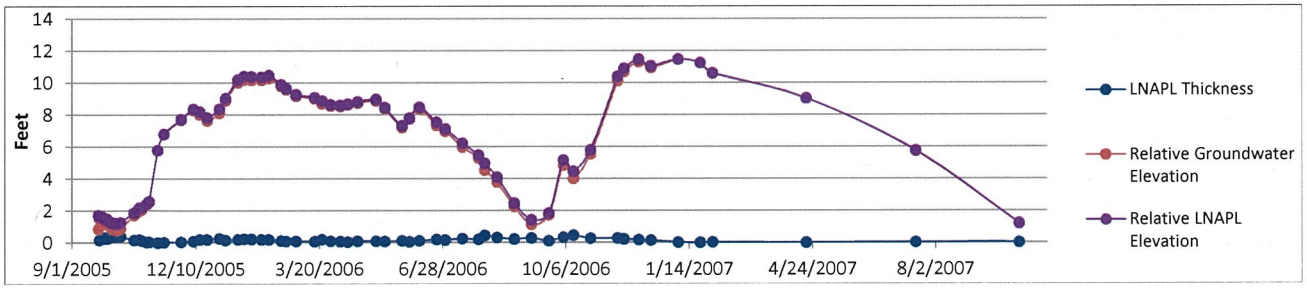

Table 11-3. Light Nonaqueous-Phase Liquid Recovery
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Date	Well ID	Weight (pounds)			Volume (gallons)
		Total	Material	LNAPL	
4/7/2008	MW-12	2.24	0.53	1.71	0.20
6/2/2008	MW-12	2.34	0.53	1.81	0.22
7/28/2008	MW-12	2.14	0.54	1.60	0.19
9/26/2008	MW-12	1.9	0.46	1.44	0.17
11/24/2008	MW-12	2.22	0.54	1.68	0.20
1/7/2009	MW-13	2.12	0.56	1.56	0.19
3/5/2009	MW-12	2.35	0.64	1.71	0.20
4/1/2009	MW-12	2.58	0.64	1.94	0.23
5/27/2009	MW-12	2.76	0.68	2.08	0.25
11/19/2009	MW-12	NA	NA	1.82	NA
12/28/2009	MW-12	2.64	0.66	1.98	0.24
1/25/2010	MW-12	2.48	0.64	1.84	0.22
3/23/2010	MW-12	2.6	0.66	1.94	0.23
4/28/2010	MW-12	2.68	0.64	2.04	0.24
6/29/2010	MW-12	2.52	0.64	1.88	0.22
10/19/2010	MW-13	1.49	0.64	0.85	0.10
10/19/2010	MW-12	1.8	0.64	1.16	0.14
2/10/2011	MW-12	2.19	0.56	1.63	0.19
5/18/2011	MW-12	2.56	0.64	1.92	0.23
5/18/2011	MW-13	1.9	0.45	1.45	0.17
5/18/2011	MW-19	1.8	0.63	1.17	0.14
5/18/2011	MW-21	1.59	0.58	1.01	0.12
8/24/2011	MW-12	2.07	0.63	1.44	0.17
11/3/2011	MW-12	2.27	0.61	1.66	0.20
2/15/2012	MW-12	1.89	0.64	1.25	0.15
5/2/2012	MW-12	2.45	0.64	1.81	0.22
8/20/2012	MW-12	1.08	0.47	0.61	0.07
11/13/2012	MW-12	NC	NC	0	0.00
2/12/2013	MW-12	2.38	0.41	1.97	0.23
6/3/2013	MW-12	1.91	0.58	1.33	0.16
8/26/2013	MW-12	0.93	0.2	0.73	0.09
12/3/2013	MW-12	0.98	0.33	0.65	0.08
3/17/2014	MW-12	2.14	0.32	1.8	0.21
6/2/2014	MW-12	2.13	0.3	1.83	0.22
9/29/2014	MW-12	1.16	0.32	0.84	0.10
11/17/2014	MW-12	1.71	0.31	1.41	0.17
2/23/2015	MW-12	2.1	0.31	1.79	0.21
9/15/2015	MW-12	2.15	0.33	1.82	0.22
12/7/2015	MW-12	2.14	0.031	1.83	0.22
2/29/2016	MW-12	2.58	0.3	2.28	0.27

Table 11-3. Light Nonaqueous-Phase Liquid Recovery
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Date	Well ID	Weight (pounds)			Volume (gallons)
		Total	Material	LNAPL	
6/5/2016	MW-12	3.06	0.44	2.62	0.31
9/25/2016	MW-12	2.61	0.26	2.35	0.28
Total				66.3	7.67

Notes
NA = not analyzed.
NC = no change, water level low.

12. Summary of Well Construction Data

Table 12-1. Well Construction: Pre-Site Investigation and Site Investigation Wells

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Well Identification	Northing	Easting	Ground Surface Elevation (feet)	Riser Elevation (feet)	Installation Date	Total Borehole Depth (ft bgs)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)	Screen Interval (ft BTOC)	Filter Pack	Filter Pack Interval (ft bgs)	Type of Seal	Seal Interval (ft bgs)	Well Diameter (inches)	Well Material	Screen Type	Screen Slot Size	Approx. Water Level (ft bgs)	Borehole Diameter (inches)	Monument Type
L-1	427162.7	1320563	143.19	144.40 CAP	12/7/2000	17.5	18	16.5 - 18	NA	NA	15.5 - 18	Bentonite Chips and/or Slurry	3 - 15.5	NA	NA	NA	NA	NA	NA	NA
L-2	427579	1320583	143.68	145.59 CAP	12/6/2000	19.8	19.8	17 - 19.8	NA	NA	17 - 19.8	Bentonite Chips and/or Slurry	3 - 17	NA	NA	NA	NA	NA	NA	NA
L-3	427761.5	1320568	144.18	146.88 CAP	12/7/2000	18	17.5	16 - 17	NA	NA	14.5 - 17.5	Bentonite Chips and/or Slurry	3 - 14.5	NA	NA	NA	NA	NA	NA	NA
HCMW-5	427010.1	1320692	143.94	143.75	10/5/1999	36.5	35	15 - 35	NA	NA	13 - 36.5	Bentonite Chips and/or Slurry	2 - 13	NA	NA	NA	NA	29	NA	NA
HCMW-6	427887.2	1320816	146.69	146.36	10/4/1999	51.5	51.5	30 - 51.5	NA	NA	28 - 51.5	Bentonite Chips and/or Slurry	2 - 28	NA	NA	NA	NA	39	NA	NA
HCMW-7	428230.4	1320338	145.01	144.73	10/7/1999	54	54	35 - 54	NA	NA	33 - 54	Bentonite Chips and/or Slurry	2 - 33	NA	NA	NA	NA	41	NA	NA
BXS-1	427577	1320373	142.32	142.90 CAP	7/11/1988	49	49	39 - 49	NA	10/20	37 - 49	Bentonite Chips and Slurry	1 - 34	2	Sch. 40 PVC	Slotted	20	38.5	NA	Concrete
BXS-2	427429.1	1320177	141.09	143.02 CAP	7/6/1988	54	52	42 - 52	NA	10/20	41 - 52	Bentonite Slurry	1 - 20	2	Sch. 40 PVC	Slotted	20	38	NA	Concrete
BXS-3	427202.9	1320144	141.73	142.07	7/7/1988	44	42.5	32.5 - 42.5	NA	10/20	31 - 42.5	Bentonite Slurry	1 - 27	2	Sch. 40 PVC	Slotted	20	33.5	NA	Concrete
BXS-4	426556.4	1320866	143.05	143.42	7/8/1988	49	47.5	37.5 - 47.5	NA	10/20	36 - 47.5	Bentonite Slurry	1 - 32	2	Sch. 40 PVC	Slotted	20	15	NA	Concrete
MW-2	428166.9	1320647	144.69	145.96	8/23/1990	49.5	47.5	27.5 - 47.5	NA	10/20	24.5 - 49.5	Bentonite Chips and Slurry	0 - 24.5	4	Sch. 40 PVC	Slotted	10	43	NA	NA
MW-3	427560.7	1320596	143.92	146.38 CAP	8/27/1990	50	49.5	29.5 - 49.5	NA	10/20	26 - 49.5	Bentonite Chips and Slurry	0 - 26	4	Sch. 40 PVC	Slotted	10	38	NA	NA
MW-1	427352.2	1320827	146.21	147.44	8/24/1990	49.5	43	23 - 43	NA	10/20	20 - 43	Bentonite Chips and Slurry	0 - 17	4	Sch. 40 PVC	Slotted	10	28	NA	NA
MW-4	425935.6	1321013	143.02	145.02	8/26/1994	40	40	30 - 40	NA	10/20	27 - 40	Bentonite Chips and/or Slurry	2 - 27	4	Sch. 40 PVC	Slotted	10	21	8	2 ft Concrete
MW-10	427175.1	1320566	143.3	144.99	8/26/2002	43	43	18 - 43	19.7 - 44.7	10/20	16 - 43	Bentonite Chips	0 - 16	2	PVC	Slotted	20	33	6.75	Stickup
MW-11	427398.1	1321001	146.46	146.06	8/26/2002	38	38	13 - 38	12.6 - 37.6	10/20	11 - 38	Bentonite Chips	0 - 11	2	PVC	Slotted	20	28	6.75	NA
MW-12	427438	1320752	144.48	143.79	8/28/2002	38	38	18 - 38	17.3 - 37.3	10/20	16 - 38	Bentonite Chips	0 - 16	4	stainless steel	Slotted	20	33	6.75	NA
MW-13	427306.7	1320844	147.4	146.62	8/28/2002	42	37	17 - 37	16.2 - 36.2	10/20	15 - 42	Bentonite Chips	0 - 15	4	stainless steel	Slotted	20	32	6.75	NA
MW-14	425602.6	1320389	139.88	141.7	8/22/2002	38	38	12 - 38	10.2 - 36.2	10/20	10 - 38	Bentonite Chips	0 - 10	2	PVC	Slotted	20	28	6.75	Stickup
MW-15	427860	1320311	142.78	142.22	10/14/2002	50	50	25 - 50	NA	10/20	23 - 50	Bentonite Chips	0 - 23	2	PVC	Slotted	20	40	8	NA
MW-16	428006.8	1320326	143.37	142.91	9/29/2003	50	50	25 - 50	NA	10/20	23 - 50	Bentonite Chips	2 - 23	2	PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
MW-17	427863.6	1320174	142.17	144.85	9/30/2003	55	55	30 - 55	NA	10/20	28 - 55	Bentonite Chips	2 - 28	2	PVC	Slotted	20	44	8	Heavy-Duty Flush-Mount
MW-18	428312.7	1320076	142.79	142.45	9/30/2003	55	55	30 - 55	NA	10/20	28 - 55	Bentonite Chips	0 - 28	2	PVC	Slotted	20	45	8	Heavy-Duty Flush-Mount

Notes

ft btoc = feet below top of casing.

ft bgs = feet below ground surface.

NA = not available.

PVC = polyvinyl chloride.

Table 12-2. Well Construction: Wells Installed 2007-2010

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Well Type	Well Identification	Northing	Easting	Ground Surface Elevation (feet)	Riser Elevation (feet)	Installation Date	Total Borehole Depth (ft bgs)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)	Screen Interval (ft BTOC)	Filter Pack	Filter Pack Interval (ft bgs)	Type of Seal	Seal Interval (ft bgs)	Well Diameter (inches)	Well Material	Screen Type	Screen Slot Size	Approx. Water Level (ft bgs)	Borehole Diameter (inches)	Monument Type
Monitoring Wells	MW-22	427395	1320574	143.13	142.75	11/26/2007	46.5	45.5	35.4 - 45.2	35.0 - 44.8	10/20	33 - 46	Bentonite Chips	3 - 33	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-23	427500	1320578	143.47	143.18	12/1/2007	46.5	45.3	35.2 - 45.0	35.0 - 44.8	10/20	33 - 46	Bentonite Chips	2.7 - 33	2	Sch. 40 PVC	Slotted	20	38.6	8	Heavy-Duty Flush-Mount
	MW-24	427564	1320645	144.47	144.13	11/27/2007	46.5	45.5	35.4 - 45.2	35.0 - 44.8	10/20	33 - 46	Bentonite Chips	3 - 33	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-25	427493	1320682	145.45	144.98	11/28/2007	46.5	45.6	35.5 - 45.3	35.0 - 44.8	10/20	33 - 46	Bentonite Chips	2.7 - 33	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-26	427601	1320773	145.13	144.75	11/20/2007	46.5	45.5	35.4 - 45.2	34.7 - 44.5	10/20	32.6 - 46	Bentonite Chips	3 - 32.6	2	Sch. 40 PVC	Slotted	20	38	8	Heavy-Duty Flush-Mount
	MW-27	427678	1320703	144.62	144.31	11/26/2007	46.5	45.5	35.4 - 45.1	34.9 - 44.6	10/20	32.1 - 46	Bentonite Chips	2 - 32.1	2	Sch. 40 PVC	Slotted	20	39.8	8	Heavy-Duty Flush-Mount
	MW-28	427502	1320489	143.02	142.77	12/1/2007	46.5	45.3	35.2 - 45.0	35.0 - 44.8	10/20	33 - 46	Bentonite Chips	3 - 33	2	Sch. 40 PVC	Slotted	20	33.6	8	Heavy-Duty Flush-Mount
	MW-29	427638	1320503	142.85	142.61	12/3/2007	46.5	45.3	35.2 - 45.0	34.9 - 44.7	10/20	33 - 46	Bentonite Chips	3 - 33	2	Sch. 40 PVC	Slotted	20	38	8	Heavy-Duty Flush-Mount
	MW-30	427837	1320483	142.64	142.4	12/4/2007	46.5	45.1	35.0 - 44.8	34.9 - 44.7	10/20	33 - 46	Bentonite Chips	2.7 - 33	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-31	427716	1320294	141.15	140.95	12/4/2007	46.5	45.5	35.4 - 45.2	35.1 - 44.9	10/20	33 - 46	Bentonite Chips	3 - 33	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-32	427494	1320670	145.27	145.01	11/29/2007	61.5	60.1	50.0 - 59.8	49.7 - 59.4	10/20	47.1 - 61	Bentonite Chips	3.5 - 47.1	2	Sch. 40 PVC	Slotted	20	40.5	8	Heavy-Duty Flush-Mount
	MW-33	427577	1320602	143.76	143.46	11/27/2007	61.5	60.1	50.3 - 59.8	49.8 - 59.3	10/20	48 - 61	Bentonite Chips	3 - 38	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-34	427648	1320499	143.02	142.6	9/27/2007	60.6	60.6	50.5 - 60.3	50.2 - 60.0	8/12	48 - 60.6	Bentonite Chips	4 - 38	2	Sch. 40 PVC	Slotted	20	38	8	Heavy-Duty Flush-Mount
	MW-35	427727	1320609	144.34	143.89	11/21/2007	56.5	55.5	45.4 - 55.2	45.0 - 54.8	10/20	43 - 56	Bentonite Chips	3.4 - 43	2	Sch. 40 PVC	Slotted	20	39.6	8	Heavy-Duty Flush-Mount
	MW-36	427676	1320399	141.57	141.15	12/3/2007	56.5	55.2	45.3 - 54.7	44.9 - 54.4	10/20	43 - 55.2	Bentonite Chips	3 - 43	4	Sch. 40 PVC	V-wire	20	37.8	10	Heavy-Duty Flush-Mount
	MW-37	427969	1320252	142.37	141.96	11/15/2007	56.5	55.1	45.0 - 54.8	45.0 - 54.7	10/20	42.5 - 56	Bentonite Chips	3 - 42.5	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-38	427654	1320491	143.36	143.28	7/13/2010	99	80	69.92 - 79.92	69.92 - 79.92	10/20	67 - 80	Bentonite Grout	9 - 67	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-39	427993	1320149	142.73	142.85	7/14/2010	81.5	79.8	69.83 - 79.83	69.83 - 79.83	10/20	67 - 80	Bentonite Grout	9 - 67	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-40	427860	1320317	142.56	142.1	7/15/2010	90	79.8	69.8 - 79.8	69.8 - 79.8	10/20	67 - 80	Bentonite Grout	9 - 67	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-41	427968	1320255	142.33	142.21	7/16/2010	81.5	79.2	69.2 - 79.2	69.2 - 79.2	10/20	67 - 80	Bentonite Grout	9 - 67	4	Sch. 40 PVC	Slotted	20	40	10	Heavy-Duty Flush-Mount
	MW-42	428320	1320081	142.89	142.68	7/30/2010	91.5	89.1	79.1 - 89.1	79.1 - 89.1	10/20	78 - 90	Bentonite Chips	6 - 90	2	Sch. 40 PVC	Slotted	20	40	8	Heavy-Duty Flush-Mount
	MW-43	428758	1319841	141.91	141.51	10/19/2010	110	100	90 - 100	90 - 100	10/20	79 - 90	Bentonite Grout	9 - 100	2	Sch. 40 PVC	Slotted	20	40		Heavy-Duty Flush-Mount
Recovery Wells	MW-19	427270	1320794	145.17	144.71	11/29/2007	40	37.1	22.2 - 36.6	21.7 - 36.1	10/20	20 - 40	Bentonite Chips	2 - 20	4	Sch. 40 PVC	V-wire	20	27.5	10	Heavy-Duty Flush-Mount
	MW-20	427340	1320790	145.28	144.98	11/30/2007	36.5	34.7	19.8 - 34.2	19.4 - 33.8	10/20	17.8 - 35.5	Bentonite Chips	2.7 - 17.8	4	Sch. 40 PVC	V-wire	20	30	10	Heavy-Duty Flush-Mount
	MW-21	427411	1320744	145.51	145.26	11/30/2007	38	37.1	22.2 - 36.6	21.7 - 36.1	10/20	20 - 38	Bentonite Chips	3 - 20	4	Sch. 40 PVC	V-wire	20	33.7	10	Heavy-Duty Flush-Mount
Extraction Wells	EW-1	427487	1320515	142.58	139.92	11/12/2007	64	63.1	50.6 - 59.9	47.4 - 56.7	10/20	44 - 63	Bentonite Chips and Slurry	3 - 44	6	Sch. 40 PVC	V-wire	20	40	12	Vault
	EW-2	427532	1320513	142.87	139.95	11/13/2007	64	61.6	49.2 - 58.5	45.7 - 55.1	10/20	43 - 61.6	Bentonite Chips	3 - 43	6	Sch. 40 PVC	V-wire	20	39	12	Vault
	EW-3	427591	1320511	142.64	139.87	11/14/2007	64	62.9	50.1 - 59.4	46.8 - 56.1	10/20	43.5 - 62.9	Bentonite Chips	3 - 43.5	6	Sch. 40 PVC	V-wire	20	39	12	Vault
	EW-4	427638	1320512	143.25	140.42	11/15/2007	65	61.6	49.0 - 58.4	46.3 - 55.6	10/20	43 - 64	Bentonite Chips	3 - 43	6	Sch. 40 PVC	V-wire	20	37	12	Vault
	EW-5	427661	1320607	143.97	141.1	11/16/2007	65	62.1	49.3 - 58.6	46.5 - 55.8	10/20	42.5 - 65	Bentonite Chips	3 - 42.5	6	Sch. 40 PVC	V-wire	20	40	12	Vault
	EW-6	427651	1320679	144.35	141.59	11/19/2007	64	62	49.4 - 58.8	49.2 - 58.6	10/20	42.6 - 64	Bentonite Chips	3 - 42.6	6	Sch. 40 PVC	V-wire	20	39.2	12	Vault
	EW-7	427616	1320747	144.83	142.02	11/20/2007	65	61.6	49.1 - 58.4	47.7 - 57.0	10/20	42.6 - 64	Bentonite Chips	3.5 - 42.6	6	Sch. 40 PVC	V-wire	20	39.6	12	Vault

Notes

ft btoc = feet below top of casing.

ft bgs = feet below ground surface.

PVC = polyvinyl chloride.

13. Supplemental Groundwater Investigation Analytical Data

Table 13-1. Supplemental Site Investigation Data: Groundwater (2009)
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station/Borehole	Collection Date	Field Sample ID	Pentachlorophenol (µg/L)	Depth[1] (ft bgs)	Notes
SB-66	12/14/2009	GW-66-1	1.0 U	50	
SB-66	12/14/2009	GW-66-2	2	60	
SB-66	12/14/2009	GW-66-3	300	68.5	Unable to get to 70 ft bgs
SB-66	12/14/2009	GW-66-4	320	80	
--	12/14/2009	Rinsate/EB-1	1.9	--	Equipment rinse blank
SB-67	12/15/2009	GW-67-1	2.5	50 and 55	Collected over two zones
SB-67	12/15/2009	GW-67-2	1.7	62	
SB-67	12/15/2009	GW-67-3	2.1	70	
SB-67	12/15/2009	GW-67-4	2.3	79	Unable to get to 80 ft bgs
SB-67	12/15/2009	Duplicate-1	2.6	79	Field duplicate
SB-68	12/16/2009	GW-68-1	1.0 U	45	
SB-68	12/16/2009	GW-68-2	1.0 U	55	
SB-68	12/16/2009	GW-68-3	1.0 U	65	
SB-68	12/16/2009	GW-68-4	1.0 U	75	
SB-69	12/17/2009	GW-69-1	1.0 U	45	
SB-69	12/17/2009	GW-69-2	1.0 U	55	
SB-69	12/17/2009	GW-69-3	1.0 U	65	
SB-69	12/17/2009	GW-69-4	1.0 U	75	
SB-70	12/17/2009	GW-70-1	1.0 U	45	
SB-70	12/17/2009	GW-70-2	1.0 U	55	
SB-70	12/18/2009	GW-70-3	1.0 U	65	
SB-70	12/18/2009	GW-70-4	1.0 U	75	
SB-71	12/18/2009	GW-71-1	1.0 U	55	
SB-71	12/19/2009	GW-71-2	1.0 U	65	
SB-71	12/19/2009	GW-71-3	1.0 U	75	
SB-71	12/19/2009	GW-71-4	1.0 U	85	
SB-72	12/23/2009	GW-72-1	2.3	55	
SB-72	12/23/2009	GW-72-2	2.6	65	
SB-72	12/23/2009	GW-72-3	7.9	74	Unable to get to 75 ft bgs
SB-72	12/23/2009	GW-72-4	2	65	
SB-73	12/22/2009	GW-73-1	6.7	55	
SB-73	12/22/2009	GW-73-2	260	65	
SB-73	12/22/2009	GW-73-3	250	75	
SB-73	12/22/2009	GW-73-4	28	85	
--	12/22/2009	GW-73-5	0.5 U	--	Equipment rinsate blank
SB-74	12/21/2009	GW-74-1	2.4	55	
SB-74	12/21/2009	GW-74-5	2.5	55	Field duplicate
SB-74	12/21/2009	GW-74-2	310	65	
SB-74	12/21/2009	GW-74-3	540	75	
SB-74	12/21/2009	GW-74-4	19	85	

Notes

-- = not applicable.

µg/L = microgram per liter.

EPA = U.S. Environmental Protection Agency.

ft bgs = feet below ground surface.

U = analyte not detected above the laboratory reporting limit.

[1] Four grab groundwater samples were collected from each of the nine borings from depths ranging from 45 to 85 ft bgs. Groundwater samples were collected using a Hydropunch and were analyzed by ALS Laboratory Group in Everett, Washington, using EPA Method 8270.

Table 13-2. Supplemental Site Investigation Data: Groundwater (2010)
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station/ Borehole	Collection Date	Field Sample ID	Pentachlorophenol (µg/L)	Depth[1] (ft bgs)	Notes
MW-38	6/28/2010	GW-38-1	180	60	
MW-38	6/28/2010	GW-38-2	49	70	
MW-38	6/28/2010	GW-38-3	3.8	80	
MW-38	6/28/2010	GW-38-4	4	80	Blind duplicate of GW-38-3
MW-38	6/28/2010	GW-38-5	51	90	
MW-38	6/29/2010	GW-38-6	3.2	98	Unable to get to 100 ft bls
MW-38	6/28/2010	Equip Blank-1	0.5 U	NA	Equipment rinsate blank
SB-75	6/29/2010	GW-75-1	0.66	60	
SB-75	6/29/2010	GW-75-2	0.5 U	70	
SB-75	6/29/2010	GW-75-3	0.5 U	80	No sample at 90 ft bgs - heaving sands
SB-75	6/30/2010	GW-75-4	0.5 U	100	
SB-76	6/30/2010	GW-76-1	0.5 U	60	
SB-76	6/30/2010	GW-76-2	0.5 U	70	
SB-76	6/30/2010	GW-76-3	0.5 U	80	
SB-76	7/1/2010	GW-76-4	0.5 U	90	
SB-76	7/1/2010	GW-76-5	0.5 U	100	
SB-77	7/1/2010	GW-77-1	0.5 U	60	
SB-77	7/1/2010	GW-77-2	0.5 U	60	Blind duplicate of GW-77-1
SB-77	7/1/2010	GW-77-3	0.5 U	70	
SB-77	7/1/2010	GW-77-4	0.5 U	76	No sample at 80 ft bgs - heaving sands
SB-77	7/2/2010	GW-77-5	0.5 U	90	No sample at 100 ft bgs - heaving sands
SB-78	7/7/2010	GW-78-1	0.5 U	60	
SB-78	7/7/2010	GW-78-2	0.5 U	70	
SB-78	7/7/2010	GW-78-3	0.5 U	80	
SB-78	7/7/2010	GW-78-4	0.5 U	90	
SB-78	7/7/2010	Equipment Blank-2	0.5 U	NA	Equipment rinsate blank
SB-79	7/9/2010	GW-79-1	0.5 U	60	
SB-79	7/9/2010	GW-79-2	0.5 U	70	
SB-79	7/9/2010	GW-79-3	0.5 U	80	
SB-79	7/9/2010	GW-79-4	0.5 U	90	Clay at 100 ft bgs - no sample collected
SB-80	7/12/2010	GW-80-1	0.5 U	60	
SB-80	7/12/2010	GW-80-2	0.5 U	70	
SB-80	7/12/2010	GW-80-3	0.5 U	80	
SB-80	7/13/2010	GW-80-4	0.5 U	90	
SB-80	7/13/2010	GW-80-5	0.5 U	100	
MW-39	7/14/2010	MW-39-1	0.5 U	75	Single sample at 75 ft bgs. Completed as a well
SB-81	7/26/2010	GW-81-1	0.5 U	60	
SB-81	7/26/2010	GW-81-2	0.5 U	70	
SB-81	7/26/2010	GW-81-3	0.5 U	80	
SB-81	7/26/2010	GW-81-4	0.5 U	90	
SB-81	7/26/2010	GW-81-5	0.5 U	100	
SB-82	7/27/2010	GW-82-1	0.5 U	60	
SB-82	7/27/2010	GW-82-2	0.5 U	60	Duplicate of GW-82-1
SB-82	7/27/2010	GW-82-3	0.5 U	70	
SB-82	7/27/2010	GW-82-4	0.5 U	80	
SB-82	7/28/2010	GW-82-5	0.5 U	90	
SB-82	7/28/2010	GW-82-6	0.5 U	100	
SB-83	7/28/2010	GW-83-1	0.5 U	60	
SB-83	7/28/2010	GW-83-2	0.5 U	71	

Table 13-2. Supplemental Site Investigation Data: Groundwater (2010)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Station/ Borehole	Collection Date	Field Sample ID	Pentachlorophenol (µg/L)	Depth[1] (ft bgs)	Notes
SB-83	7/29/2010	GW-83-3	0.5 U	81	
SB-83	7/29/2010	GW-83-4	0.5 U	91	
SB-83	7/29/2010	EQ-072910	0.5 U	NA	Equipment rinsate blank
MW-43	10/18/2010	MW-43-80'	0.5 U	80	
MW-43	10/18/2010	MW-43-90'	0.5 U	90	
MW-43	10/18/2010	MW-43-100'	0.5 U	100	
MW-43	10/18/2010	MW-43-110'	0.5 U	110	
SB-84	10/19/2010	GW-84-80	0.5 U	80	
SB-84	10/19/2010	GW-84-90	0.5 U	90	
SB-84	10/19/2010	GW-84-100	0.5 U	100	
SB-85	10/20/2010	Equip-102010	0.5 U	--	Equipment rinsate blank
SB-85	10/20/2010	GW-85-80	0.5 U	80	
SB-85	10/20/2010	GW-85-90	0.5 U	90	
SB-85	10/20/2010	GW-85-100	0.5 U	100	
SB-85	10/20/2010	GW-Dup-102010	0.5 U	100	Duplicate of GW-85-100

Notes

-- = not applicable.

µg/L = microgram per liter.

EPA = U.S. Environmental Protection Agency.

ft bgs = feet below ground surface.

U = analyte not detected above the laboratory reporting limit.

[1] Grab groundwater samples were collected from each of the borings from depths ranging from 60 to 100 ft bgs. Groundwater samples were collected using a Hydropunch and were analyzed by ALS Laboratory Group in Everett, Washington, using EPA Method 8270.

Table 13-3. Supplemental Site Investigation Data: Investigation Derived Waste (2009-2010)
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

		Sample ID	SS-1		SS-102810	
		Date	1/19/2010		10/28/2010	
Analyte	Method[1]	Unit				
TPH						
Diesel Range Organics	NWTPH-Dx	mg/kg	25	U	25	U
Oil Range Organics	NWTPH-Dx	mg/kg	50	U	50	U
PAHs						
Naphthalene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Acenaphthene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Fluorene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Pentachlorophenol	USEPA 1311/8270	µg/L	2.0	U	2.0	U
Phenanthrene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Anthracene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Pyrene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Benzo(a)anthracene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Chrysene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Benzo(b)fluoranthene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Benzo(k)fluoranthene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Benzo(a)pyrene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Indeno(1,2,3-cd)pyrene	USEPA 1311/8270	µg/L	0.080	U	0.080	U
Dibenz(a,h)anthracene	USEPA 1311/8270	µg/L	0.080	U	0.080	U

Notes

µg/L = microgram per liter.

Method 1311 = toxicity characteristic leachate procedure.

Method 8270 = semivolatile organic compound procedure.

mg/kg = milligram per kilogram.

NWTPH-Dx = northwest total petroleum hydrocarbons diesel range extended.

PAHs = polycyclic aromatic hydrocarbons.

TPH = total petroleum hydrocarbons.

U = analyte not detected above the laboratory reporting limit.

EPA = U.S. Environmental Protection Agency.

14. Source Area Investigation and Chemical Bench Study Results

Table 14-1. Source Area Investigation and Chemical Oxidation Bench Study: Soil and Groundwater Laboratory Methods

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Soil Sample Laboratory Method Summary

				Method	8151M	NWTPH-DX	353.2	9056	6010B	2320B	ASTM D4129	4500NH3E	365.3	9045	160.3	ASTM D422	HDB	CENSUS	Ursus Bench	Ursus Bench
Station ID	**Sample ID**	**Sample Date**	**Sample Type**	**Matrix**	**PCP**	**Diesel and Residual Oil**	**Nitrate/ Nitrite**	**Sulfate/ Chloride**	**Metals**	**Total Alkalinity**	**Total Organic Carbon**	**Ammonia as Nitrogen**	**Ortho-Phosphate**	**pH**	**Total Solids, Percent Solids**	**Grain Size**	**Hydrocarbon-Degrading Bacteria**	**DNA / RNA**	**Total Oxidant Demand**	**ISCO Effectiveness Test**
SB-A	SB-A:10-11	9/21/2013	N	SO															X	
SB-A	SB-A:16-19	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
SB-A	SB-A:24-27	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SB-A	SB-A:30-33	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
SB-A	SB-A:40-41	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X			
SB-A	SB-E:30-33	9/21/2013	FD	SO	X	X									X					
SB-C	SB-C:20-21	9/21/2013	N	SO															X	
SB-C	SB-C:30-33	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X			
SB-D	SB-D:30-33	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Groundwater Sample Laboratory Method Summary

				Method	8151M	NWTPH-DX	300	6010B	9030	RSK 175	2320B	415.1	4500NH3E	4500PE	--	HDB	CENSUS	Ursus Bench	Ursus Bench
Station ID	**Sample ID**	**Sample Date**	**Sample Type**	**Matrix**	**Chlorinated Phenols**	**Diesel and Residual Oil**	**Nitrate/ Nitrite/ Sulfate**	**Metals**	**Total Sulfide**	**Methane/ Ethane/ Ethene**	**Total Alkalinity**	**Total Organic Carbon**	**Ammonia as Nitrogen**	**Ortho-Phosphate**	**Field Parameters**	**Hydrocarbon-Degrading Bacteria**	**DNA / RNA**	**Total Oxidant Demand**	**ISCO Effectiveness Test**
SB-A	SB-A:10-11	9/21/2013	N	SO															X
SB-A	SB-A:16-19	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SB-A	SB-A:24-27	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SB-A	SB-A:30-33	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SB-A	SB-A:40-41	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X		
SB-A	SB-E:30-33	9/21/2013	FD	SO	X	X									X				
SB-C	SB-C:20-21	9/21/2013	N	SO															X
SB-C	SB-C:30-33	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X		
SB-D	SB-D:30-33	9/21/2013	N	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Notes

-- = not applicable.

ASTM = American Society for Testing and Materials.

BT = biotrap placed within groundwater well.

DNA = deoxyribonucleic acid.

EB = equipment blank.

FD = field duplicate.

GW = groundwater.

HDB = hydrocarbon-degrading bacteria.

ISCO = in situ chemical oxidation.

N = normal samples.

NWTPH-Dx = northwest total petroleum hydrocarbons diesel range extended.

RNA = ribonucleic acid.

PCP = pentachlorophenol.

Table 14-2. Source Area Investigation and Chemical Oxidation Bench Study: Soil Chemistry, Geochemical, and Biological Data Summary

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station ID	Sample ID[1]	Sample Date	Depth	Pentachlorophenol	TPH as Diesel	Residual Range Organics	Nitrate	Nitrate+Nitrite as Nitrogen	Nitrite	Manganese	Iron	Sulfate	Total Alkalinity	Chloride	Hydrocarbon-Degrading Bacteria	Dehalococcoides
			ft bgs	µg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	MPN/g	cells/g
SB-A	SB-A:16-19	9/21/2013	16-19	1,100	3,000	170	0.52 U	0.17 J	0.12 J	229	17,100	3.7 U	83.0	3.7 U	9.4 U	1000 U
SB-A	SB-A:24-27	9/21/2013	24-27	110,000	13,000	660	0.10 J	0.18 J	0.08 J	255	21,100	1.3 J	80.1	1.8 J	9.6 U	1000 U
SB-A	SB-A:30-33	9/21/2013	30-33	15,000	22,000	1,200 J	0.27 J	0.33 J	0.06 J	241	21,300	2.4 J	626	1.3 J	10 U	1000 U
SB-A	SB-A:40-41	9/21/2013	40-41	1,600	7.5 J	10 J	0.12 J	0.15 J	0.03 J	305	22,600	2.3 J	530	1.4 J	12	NT
SB-C	SB-C:30-33	9/21/2013	30-33	3,000	220	38 J	0.11 J	0.11 J	0.29 U	325	21,200	5.6	601	9.5	10 U	NT
SB-D	SB-D:30-33	9/21/2013	30-33	530,000	20,000	1,500	0.10 J	0.14 J	0.04 J	264	20,100	3.7 J	201	5.3 U	12 U	1,000 U

Table 14-2. Source Area Investigation and Chemical Oxidation Bench Study: Soil Chemistry, Geochemical, and Biological Data Summary

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station ID	Sample ID[1]	Sample Date	Depth	Desulfitobacterium spp.	Maleylacetate Reductase	PCP Regulator Gene	PCP-4-Monooxygenase	Total Organic Carbon	Ammonia as Nitrogen	Orthophosphate	pH	Total Solids
			ft bgs	cells/g	cells/g	cells/g	cells/g	%	mg/Kg	mg/Kg	--	%
SB-A	SB-A:16-19	9/21/2013	16-19	6,980,000	2000 U	12,400,000	640,000	0.274	1.41	0.34	7.17	95.7
SB-A	SB-A:24-27	9/21/2013	24-27	3,640,000	2000 U	144,000	2000 U	0.533	0.56	0.20	7.09	94.1
SB-A	SB-A:30-33	9/21/2013	30-33	250	2000 U	327,000	2000 U	0.946	2.01	0.19	6.94	87.7
SB-A	SB-A:40-41	9/21/2013	40-41	NT	NT	NT	NT	0.099	1.64	0.69	7.06	77.7
SB-C	SB-C:30-33	9/21/2013	30-33	NT	NT	NT	NT	0.162	1.02	0.91	7.24	87.2
SB-D	SB-D:30-33	9/21/2013	30-33	2,000 U	2000 U	1,610,000	78,400	0.982	0.40	0.15	6.87	73.1

Notes

% = percent.

µg/Kg = mirogram per kilogram.

cells/g = cells per gram.

ft bgs = feet below ground surface.

J = analyte is an estimated quantity.

mg/Kg = milligram per kilogram.

MPN/g = most probable number of cells per gram.

NT = not tested.

U = analyte was not detected above the reported sample quantification limit.

[1] Results not validated.

Table 14-3. Source Area Investigation and Chemical Oxidation Bench Study: Soil Metal Data

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Station ID	Sample ID[1]	Sample Date	Depth	Aluminum	Calcium	Iron	Magnesium	Manganese
			ft bgs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SB-A	SB-A:16-19	9/21/2013	16-19	10,900	3,130	17,100	7,690	229
SB-A	SB-A:24-27	9/21/2013	24-27	12,600	3,120	21,100	10,600	255
SB-A	SB-A:30-33	9/21/2013	30-33	13,900	2,620	21,300	9,220	241
SB-A	SB-A:40-41	9/21/2013	40-41	14,900	3,180	22,600	9,200	305
SB-C	SB-C:30-33	9/21/2013	30-33	13,000	2,960	21,200	8,480	325
SB-D	SB-D:30-33	9/21/2013	30-33	13,000	2,420	20,100	8,810	264

Notes

ft bgs = feet below ground surface.

mg/Kg = milligram per kilogram.

[1] Results not validated.

Table 14-4. Source Area Investigation and Chemical Oxidation Bench Study: Groundwater Chemistry, Geochemical, and Biological Data Summary

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station ID	Sample ID[1]	Sample Date	Sample Type	Pentachlorophenol	Total Petroleum Hydrocarbon as Diesel	Residual Range Organics	Oxygen Reduction Potential	Dissolved Oxygen	Nitrate	Nitrite	Manganese	Iron	Ferrous Iron	Sulfate
				µg/L	µg/L	µg/L	mV	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-11	MW-11_20130919	9/19/2013	N	0.50 U	260 U	520 U	255.7	3.15	0.21	0.10 U	5	136	0.0 U	4
MW-12	MW-12_20130921	9/21/2013	N	360	82,000	4,100	-33	1	0.10 U	0.10 U	1,720	2920	3	7
MW-32	MW-32_20130919	9/19/2013	N	640	390	37 J	200.4	0.35	0.36	0.03 J	25	913	0.0 U	9
MW-32	MW-44_20130919	9/19/2013	FD	730	390	33 J	NT	NT	0.37	0.03 J	9	235	NT	9
MW-36	MW-36_20130919	9/19/2013	N	1,300	79 J	520 U	212.9	0.24	0.12	0.10 U	626	20.0 U	NT	12
MW-41	MW-41_20130919	9/19/2013	N	370	200 J	28 J	245	0.18	0.14	0.10 U	69	20.0 U	0.0 U	14
MW-45	MW-45_20130919	9/19/2013	EB	1	260 U	520 U	NT	NT	0.10 U	0.10 U	0.10 J	20.0 U	NT	0.20 U

Table 14-4. Source Area Investigation and Chemical Oxidation Bench Study: Groundwater Chemistry, Geochemical, and Biological Data Summary

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station ID	Sample ID[1]	Sample Date	Sample Type	Total Sulfide	Methane	Total Alkalinity	Chloride	Hydrocarbon Degrading Bacteria	Dehalococcoides	Desulfitobacterium spp.	PCP Regulator Gene	Maleylacetate Reductase	PCP-4-Monooxygenase
				mg/L	µg/L	mg/L	mg/L	MPN/100mL	cells/ bead	cells/ bead	cells/ bead	cells/ bead	cells/ bead
MW-11	MW-11_20130919	9/19/2013	N	0.10 U	1.3	73.7	2.64	900 U	NT	NT	NT	NT	NT
MW-12	MW-12_20130921	9/21/2013	N	0.10 U	28	89.4	3	900 U	25 U	250 U	30,500	1,870	795
MW-32	MW-32_20130919	9/19/2013	N	0.10 U	1.3	56.2	6.54	13,500	NT	NT	NT	NT	NT
MW-32	MW-44_20130919	9/19/2013	FD	0.10 U	1.3	56.3	6.62	3900	NT	NT	NT	NT	NT
MW-36	MW-36_20130919	9/19/2013	N	0.10 U	1	143	8	900 U	25 U	250 U	16,400	7,710	6,440
MW-41	MW-41_20130919	9/19/2013	N	0.10 U	15	65.2	7	900 U	25 U	250 U	14,600	3,070	1,890
MW-45	MW-45_20130919	9/19/2013	EB	0.10 U	1.3	3.2	0.40 U	2,000	NT	NT	NT	NT	NT

Table 14-4. Source Area Investigation and Chemical Oxidation Bench Study: Groundwater Chemistry, Geochemical, and Biological Data Summary

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station ID	Sample ID[1]	Sample Date	Sample Type	Total Organic Carbon	Ammonia as Nitrogen	Orthophosphate	Temperature	pH	Specific Conductivity
				mg/L	mg/L	mg/L	C	--	mS/cm
MW-11	MW-11_20130919	9/19/2013	N	1	0.035 J	0.050 U	12.8	6.32	0.155
MW-12	MW-12_20130921	9/21/2013	N	3	0.152	0.050 U	12.8	5.66	0.2
MW-32	MW-32_20130919	9/19/2013	N	1.41	0.044 J	0.050 U	11.6	5.87	0.147
MW-32	MW-44_20130919	9/19/2013	FD	1.35	0.037 J	0.050 U	NT	NT	NT
MW-36	MW-36_20130919	9/19/2013	N	2.38	0.013 J	0.050 U	12	6.23	0.314
MW-41	MW-41_20130919	9/19/2013	N	1.53	0.036 J	0.050 U	11.6	5.78	0.173
MW-45	MW-45_20130919	9/19/2013	EB	0.050 U	0.1	0.050 U	NT	NT	NT

Notes

µg/L = microgram per liter.

C = Celsius.

cells/bead = cells per bead.

EB = equipment blank.

FD = field duplicate.

J = analyte is an estimated quantity.

mg/L = milligram per liter.

MPN/100 mL = most probable number per 100 milliliters.

mS/cm = milliSiemens per centimeter.

mV = millivolt.

N = normal sample.

NT = not tested.

U = analyte was not detected above the reported sample quantification limit.

[1] Results not validated.

Table 14-5. Source Area Investigation and Chemical Oxidation Bench Study: Groundwater Chlorophenol, Metals, and Dissolved Gas Data

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Station ID	Sample ID[1]	Sample Date	Pentachlorophenol	Tetrachlorophenols, Total	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	3,4-Dichlorophenol	3,5-Dichlorophenol	Aluminum	Calcium	Iron	Magnesium	Manganese	Ethane	Ethene	Methane
			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
MW-11	MW-11_20130919	9/19/2013	0.50 U	1.0 U	1.0 U	0.50 U	2.0 U	2.0 U	86.7	13,600	136	7,080	5.3	0.6	1.0	1.3
MW-12	MW-12_20130921	9/21/2013	360	12	0.34 J	0.50 U	2.0 U	2.0 U	30.9	20,900	2920	6,330	1,720	0.6	1.0	28
MW-32	MW-32_20130919	9/19/2013	640	38 U	1.0 U	0.50 U	2.0 U	2.0 U	579	11,000	913	7,650	25	0.6	1.0	1.3
MW-32	MW-44_20130919	9/19/2013	730	1.5 U	1.0 U	0.50 U	2.0 U	2.0 U	158	11,300	235	7,620	9	0.6	1.0	1.3
MW-36	MW-36_20130919	9/19/2013	1,300	1.0 U	1.0 U	0.50 U	2.0 U	2.0 U	10.0 U	26,700	20.0 U	19,000	626	0.6	1.0	1.3
MW-41	MW-41_20130919	9/19/2013	370	9.7 U	1.0 U	0.50 U	2.0 U	2.0 U	10.0 U	13,100	20.0 U	9,380	68.9	0.6	1.0	15
MW-45	MW-45_20130919	9/19/2013	0.93	1.0 U	1.0 U	0.50 U	2.0 U	2.0 U	10.0 U	82.3	20.0 U	2.2 J	0.10 J	0.6	1.0	1.3

Notes

µg/L = microgram per liter.

J = analyte is an estimated quantity.

U = analyte was not detected above the reported sample quantification limit.

[1] Results not validated.

Table 14-6. Source Area Investigation and Chemical Oxidation Bench Study: Soil Samples Submitted for Oxidant Bench Testing

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Sample ID	Sample Type	Zone at Time of Drilling	Diesel Range Organics	Residual Range Organics	Pentachlorophenol
			mg/Kg	mg/Kg	µg/Kg
SB-A: 10-11	Woody Debris with Sand	Vadose	NA	NA	NA
SB-A: 16-19	Sand with Gravel	Vadose	3,000	170	1,100
SB-C: 20-21	Sand with Gravel	Vadose	NA	NA	NA
SB-A: 24-27	Sand with Gravel	Vadose	13,000	660	110,000
SB-A: 30-33	Sand with Silt and Gravel	Saturated	22,000	1,200 J	15,000
SB-D: 30-33	Sand with Silt	Saturated	20,000	1,500	530,000

Notes

µg/kg = microgram per kilogram.

J = analyte is an estimated quantity.

mg/Kg = milligram per kilogram.

NA = not applicable.

[1] Results not validated.

Table 14-8. Source Area Investigation and Chemical Oxidation Bench Study: Summary of All Bench Oxidation Effectiveness Testing Data

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Sample Identification	Day 22				Day 49												Day 78			
	Persulfate Dosage (g/Kg)	pH --	TOD (g/Kg)	Residual Oxidant (g/Kg)	Persulfate Dosage (g/Kg)	pH --	TOD (g/Kg)	Residual Oxidant (g/Kg)	Arsenic mg/L	Chromium, Total mg/L	Copper mg/L	Lead mg/L	DRO mg/Kg	DRO % Reduction	PCP mg/Kg	PCP % Reduction	Persulfate Dosage (g/Kg)	pH --	TOD (g/Kg)	Residual Oxidant (g/Kg)
Round 2 (26Jun2014 through 14Aug2014)																				
SB-D-30-33 - Control	0	NT	NT	NT	0	NT	NT	NT	NT	NT	NT	NT	12,000	-	18	-	NT	NT	NT	NT
	0 (Dup)	NT	NT	NT	0	NT	NT	NT	NT	NT	NT	NT	NT	-	22	-	NT	NT	NT	NT
SB-D-30-33 - Alk Pers	8	NT	NT	NT	8	10.3	> 8	ND	NT	NT	NT	NT	14,000	-17%	26	-30%	NT	NT	NT	NT
	8.0 (Dup)	NT	NT	NT	8	NT	NT	NT	NT	NT	NT	NT	NT	-	26	-30%	NT	NT	NT	NT
	16	NT	NT	NT	16	10.02	15	1	NT	NT	NT	NT	14,000	-17%	20	0%	NT	NT	NT	NT
	16.0 (Dup)	NT	NT	NT	16	NT	NT	NT	NT	NT	NT	NT	NT	-	6.2	69%	NT	NT	NT	NT
	23	NT	NT	NT	23	10.11	20.8	2.2	NT	NT	NT	NT	15,000	-25%	9	55%	NT	NT	NT	NT
	23.0 (Dup)	NT	NT	NT	23	NT	NT	NT	NT	NT	NT	NT	NT	-	6.3	69%	NT	NT	NT	NT
SB-A-24-27 - Control	0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10,000	-	19	-	NT	NT	NT	NT
	0 (Dup)	NT	NT	NT	DUP	NT	NT	NT	NT	NT	NT	NT	NT	-	9.9	-	NT	NT	NT	NT
SB-A-24-27 - Alk Pers	8	NT	NT	NT	8	9.28	6.8	1.2	NT	NT	NT	NT	9,800	2%	7.4	49%	NT	NT	NT	NT
	8.0 (Dup)	NT	NT	NT	8 DUP	NT	NT	NT	NT	NT	NT	NT	NT	-	7.5	48%	NT	NT	NT	NT
	16	NT	NT	NT	16	9.34	13.8	2.2	NT	NT	NT	NT	8,900	11%	6.2	57%	NT	NT	NT	NT
	16.0 (Dup)	NT	NT	NT	16 DUP	NT	NT	NT	NT	NT	NT	NT	NT	-	8.2	43%	NT	NT	NT	NT
	23	NT	NT	NT	23	9.59	19.8	3.2	NT	NT	NT	NT	11,000	-10%	8.4	42%	NT	NT	NT	NT
	23.0 (Dup)	NT	NT	NT	23 DUP	NT	NT	NT	NT	NT	NT	NT	NT	-	7.7	47%	NT	NT	NT	NT
Round 2 (26Jun2014 through 14Aug2014)																				
SB-D-30-33 - Control	0	NT	NT	NT	NT	NT	NT	NT	<0.30	<0.050	<0.050	<0.30	12,000	-	190	-	NT	6.3	NT	NT
SB-D-30-33 - Alk Pers	23	10.3	19.9	3.1	46	12.19	39.2	6.8	0.94	0.92	0.06	<0.30	11,000	8%	5.8	97%	46	10.64	38.7	7.3
	46	13.49	35.6	10.4	92	12.75	55.9	36.1	1.14	1.94	0.073	<0.30	12,000	0%	4.8	97%	92	12.9	52.7	39.3
SB-D-30-33 - H_2O_2/Pers	23	3.5	19.1	3.9	46	2.45	37.9	8.1	<0.30	0.36	1.44	<0.30	11,000	8%	110	42%	46	2.47	37.4	8.6
	46	2.7	26.7	19.3	92	2.18	50.7	41.3	<0.30	1.07	2.92	<0.30	8,600	28%	150	21%	92	2.38	47.9	44.1
SB-D-30-33 - Fe Pers	23	2.66	19.2	3.8	46	2.4	38.1	7.9	<0.30	0.34	1.6	<0.30	13,000	-8%	80	58%	46	2.42	37.4	8.6
	46	2.42	26.4	19.6	92	2.18	51.7	40.3	<0.30	0.66	2.52	0.31	8,000	33%	48	75%	92	2.29	47.5	44.5
SB-D-30-33 - Na Perm	23	NT	6.6	16.4	23	NT	11.5	11.5	<3.0	3.5	1.14	<3.0	15,000	-25%	58	69%	23	8.96	>23.0	0
SB-A-24-27 - Control	0	NT	NT	NT	NT	NT	NT	NT	<0.30	<0.050	0.1	<0.30	7,200	-	45	-	NT	5.71	NT	NT
SB-A-24-27 - Alk Pers	43.8	11.59	36.6	7.1	87.5	12.69	57.6	29.9	1.43	2.96	0.061	<0.30	9,200	-28%	3.6	98%	131.3	12.96	78.8	52.5
	87.5	11.16	77.7	9.8	175	12.82	137	38.1	1.48	3.12	0.064	0.31	11,000	-53%	2.2	99%	262.5	12.97	205.3	57.2
SB-A-24-27 - H_2O_2 Pers	43.8	3.45	27.5	16.3	87.5	2.07	49.8	37.7	<0.30	1.32	3.03	0.033	7,600	-6%	14	93%	131.3	2.62	64.2	67.1
	87.5	2.68	68	19.5	175	1.87	135	40	<0.30	2.21	3.81	0.45	6,200	14%	12	94%	262.5	2.29	195.7	66.8
SB-A-24-27 - Fe Pers	43.8	2.72	27.5	16.2	87.5	2.03	48	39.5	<0.30	1.31	2.89	<0.30	6,100	15%	11	94%	131.3	2.43	65.1	66.2
	87.5	2.56	68.4	19.1	175	1.94	134	41.1	<0.30	1.29	2.94	<0.30	6,100	15%	13	93%	262.5	2.3	196.3	66.2
SB-A-24-27 - Na Perm	43.8	NT	31.3	12.5	43.8	NT	41.3	2.5	<3.0	13.2	1.08	<3.0	7,200	0%	4.8	97%	43.8	8.81	>43.8	0

Table 14-8. Source Area Investigation and Chemical Oxidation Bench Study: Summary of All Bench Oxidation Effectiveness Testing Data

Former J.H. Baxter Wood Treating Facilit

Arlington, Washington

Sample Identification	Day 102											
	Persulfate Dosage (g/Kg)	pH --	TOD (g/Kg)	Residual Oxidant (g/Kg)	Arsenic mg/L	Chromium, Total mg/L	Copper mg/L	Lead mg/L	DRO mg/Kg	DRO % Reduction	PCP mg/Kg	PCP % Reduction
Round 2 (26Jun2014 through 14Aug2014)												
SB-D-30-33 - Control	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SB-D-30-33 - Alk Pers	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SB-A-24-27 - Control	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SB-A-24-27 - Alk Pers	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Round 2 (26Jun2014 through 14Aug2014)												
SB-D-30-33 - Control	NT	NT	NT	NT	<0.30	<0.050	<0.050	<0.30	13,000	-	130	-
SB-D-30-33 - Alk Pers	69	12.87	58.5	10.5	0.8	0.9	<0.050	<0.30	9,700	25%	4.6	96%
	115	13.13	59.5	55.5	0.9	1.17	<0.05	<0.30	13,000	0%	<3.8	>97%
SB-D-30-33 - H_2O_2/Pers	69	2.43	56.6	12.4	<0.30	1.04	2.21	<0.30	11,000	15%	51	61%
	115	2.33	52.3	62.7	<0.30	1.64	2.87	0.41	5,200	60%	27	79%
SB-D-30-33 - Fe Pers	69	2.35	56.8	12.2	<0.30	0.81	2.1	<0.30	8,200	37%	63	52%
	115	2.27	52.7	62.3	<0.30	1.26	2.61	<0.30	5,000	62%	30	77%
SB-D-30-33 - Na Perm	69	8.89	39.1	29.9	0.33	2.23	<0.050	0.93	6,400	51%	31	76%
SB-A-24-27 - Control	NT	NT	NT	NT	<0.30	<0.050	0.1	<0.30	3,400	-	31	-
SB-A-24-27 - Alk Pers	175	13.12	110	64.9	1.01	2.17	<0.050	<0.30	3,400	0%	<3.8	>88%
	350	13.05	278	72.3	1.5	3	<0.050	<0.30	4,700	-38%	<4.7	>85%
SB-A-24-27 - H_2O_2 Pers	175	2.1	92.5	82.5	0.32	2.53	4	0.51	2,700	21%	7.3	100%
	350	1.82	269	80.8	0.74	4.94	6.8	0.69	3,100	9%	7.4	100%
SB-A-24-27 - Fe Pers	175	2.05	92	83	0.37	2.29	3.81	0.47	2,600	24%	8.6	100%
	350	1.74	266	83.7	0.79	4.07	5.91	0.53	2,800	18%	11	100%
SB-A-24-27 - Na Perm	87.6	8.77	29.6	58	0.65	4.14	<0.050	1.73	2,800	18%	<3.3	>89%

Notes

% = percent.

< = analyte was not detected above the reported sample quantification limit.

Alk Pers = persulfate with alkaline activator.

DRO = diesel Range Organics.

DUP = duplicate.

Fe Pers = persulfate with iron activator.

g/Kg = grams per kilogram.

H_2O_2 Pers = persulfate with hydrogen peroxide activator.

mg/Kg = milligrams per kilogram.

mg/L = milligrams per liter.

Na Perm = sodium permanganate.

NT = not tested.

PCP = pentachlorophenol.

Table 14-7. Source Area Investigation and Chemical Oxidation Bench Study: Summary of Bench Oxidation Effectiveness Testing at Day 49

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Sample SB-A: 24-27 [1]

SB-A: 24-27	Persulfate Concentration	Diesel	Fraction Decrease in Diesel	Pentachlorophenol	Fraction PCP Decrease	Average Fraction PCP Decrease	Persulfate Remaining
		(g/Kg)	--	(mg/Kg)	--	--	(g/Kg)
2nd Round: 26 June 2014 through 14 August 2014	2nd Rd CONTROL (0 g/kg)	10,000	-	19	-	-	-
	2nd Rd CONTROL Dup (0 g/kg)	NT	-	9.9	-	-	-
	8 g/kg	9,800	0.02	7.4	0.49	0.48	1.2
	8 g/kg Duplicate	NT	-	7.5	0.48	-	-
	16 g/kg	8,900	0.11	6.2	0.57	0.5	2.2
	16 g/kg Duplicate	NT	-	8.2	0.43	-	-
	23 g/kg	11,000	-0.1	8.4	0.42	0.44	3.2
	23 g/kg Duplicate	NT	-	7.7	0.47	-	-
1st Round: 18 November 2013 through 26 February 2014	1st Rd CONTROL (0 g/kg)	7,200	-	45	-	-	-
	87.5 g/kg	9,200	-0.28	3.6	0.98	0.98	29.9
	175 g/kg	11,000	-0.53	2.2	0.99	0.99	38.1

Sample SB-D: 30-33 [1]

SB-D: 30-33	Persulfate Concentration	Diesel	Fraction Decrease in Diesel	Pentachlorophenol	Fraction PCP Decrease	Average Fraction PCP Decrease	Persulfate Remaining
		(g/Kg)	--	(mg/Kg)	--	--	(g/Kg)
2nd Round: 26 June 2014 through 14 August 2014	2nd Rd CONTROL (0 g/kg)	12,000	-	18	-	-	-
	2nd Rd CONTROL Dup (0 g/kg)	NT	-	22	-	-	-
	8 g/kg	14,000	-0.17	26	-0.3	-0.3	ND
	8 g/kg Duplicate	NT	-	26	-0.3	-	-
	16 g/kg	14,000	-0.17	20	0	0.35	1
	16 g/kg Duplicate	NT	-	6.2	0.69	-	-
	23 g/kg	15,000	-0.25	9	0.55	0.62	2.2
	23 g/kg Duplicate	NT	-	6.3	0.69	-	-
1st Round: 18 November 2013 through 26 February 2014	1st Rd CONTROL (0 g/kg)	12,000	-	190	-	-	-
	46 g/kg	11,000	0.08	5.8	0.97	0.97	6.8
	92 g/kg	8,000	0	4.8	0.97	0.97	36.1

Notes

-- = not applicable.

g/Kg = gram per kilogram.

mg/Kg = milligram per kilogram.

ND = not detected.

NT = not tested.

Table 14-7. Source Area Investigation and Chemical Oxidation Bench Study: Summary of Bench Oxidation Effectiveness Testing at Day 49

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Sample SB-A: 24-27 [1]

SB-A: 24-27	Persulfate Concentration	Diesel	Fraction Decrease in Diesel	Pentachlorophenol	Fraction PCP Decrease	Average Fraction PCP Decrease	Persulfate Remaining
		(g/Kg)	--	(mg/Kg)	--	--	(g/Kg)

[1] All data shown are from day 49 of the experiment.