February 4, 2021

Mohsen Kourehdar Washington State Department of Ecology PO Box 47600 Olympia, Washington 98504-7600

SUBJECT: B&L WOODWASTE SITE JANUARY 2021 COMPLIANCE MONITORING REPORT

Dear Mr. Kourehdar:

On behalf of the B&L Woodwaste Custodial Trust, we are submitting the results of compliance monitoring completed at the B&L Woodwaste site in January 2021.

Groundwater and surface water sampling and analysis were completed in accordance with the 2013 Compliance Monitoring Plan and 2017 Compliance Monitoring Plan Addendum, with minor changes to the locations sampled as requested by the Washington State Department of Ecology and as noted in previous reports. Surface water locations SW-2 and SW-5, which are generally sampled only in October, were added to the sampling program during this event. A Compliance Screening Tier 1 data quality review was performed on arsenic data resulting from laboratory analysis. Data were determined to be of acceptable quality for use as reported by the laboratory. The results are presented in the enclosed table and attachments.

We look forward to discussing the results with you.

Sincerely,

FLOYDISNIDER

Brett Beaulieu, LHG

Associate Principal Hydrogeologist

Encl.: Table 1 Groundwater Arsenic Results

Table 2 Surface Water Arsenic Results Attachment 1 Time-Concentration Plots Attachment 2 Laboratory Analytical Report

Copies: Dan Silver, B&L Woodwaste Custodial Trustee

Tables

F L O Y D | S N I D E R

Table 1
Groundwater Arsenic Results (1)

												,	Groun	dwater	Arsen	ic kes	uits															
												ι	Jpper Sar	nd Aquifer															Lowe	r Sand Aq	uifer	
												Т	otal Arse	nic (μg/L)															Total	Arsenic (μ	ιg/L)	
Sample Location	D-5U	D-6A	D-7A	D-8A	D-9A	D-10A	MW-13	MW-15	MW-30	MW-31A	MW-33	MW-34	MW-35	MW-41	MW-42	PD-60	PD-141	PD-214	PZ-3A	PZ-4A	PZ-5A F	R-14 F	R-15	R-22	R-23	W-1	W-3	D-5L	D-6B	D-7B	D-8B	MW-40B
Compliance Monito	oring Eve	nts								•	•			•						•												
January 2021	NS	NS	NS	195	NS	NS	NS	NS	NS	NS	157	8.02	NS	50.7	93.1	NS	NS	5.08	93.5	5.22	372	NS	NS	NS	NS	9.19	NS	NS	NS	NS	8.27	8.44
October 2020	24.2	83.6	98.1	144	44.0	212	209	192	105	1.52 J ⁽²⁾	112	6.65	21.8	65.7	97.2	24.8	97.6	5.61	171	4.26	324	NS	NS	NS	NS	7.01	2.26 J ⁽²⁾	3.09	2.08	3.75	6.69	8.12
July 2020	NS	NS	NS	219	NS	NS	NS	NS	NS	NS	128	7.39	NS	45.8	64.7	NS	NS	6.72	165	4.36	319	NS	NS	NS	NS	5.73	NS	NS	NS	NS	6.72	8.45
April 2020	15.8	NS	314	222	NS	NS	209	175	NS	NS	81.5	7.10	NS	83.3	88.2	NS	122	5.51	142	4.67	229	NS	NS	NS	NS	4.95	NS	NS	NS	NS	6.62	8.32
January 2020	NS	NS	NS	272	NS	NS	NS	NS	NS	NS	102	8.75	NS	97.7	84.2	NS	NS	6.14	125	4.84	378	NS	NS	NS	NS	11.2	NS	NS	NS	NS	11.6	9.44
October 2019	28.8	61.2	125	187	44.1	194	198	195	118	2.24	125	7.76	20.0	91.0	105	32.3	175	4.99	177	4.89	336 8	31.7	NS	NS	21.6	8.27	3.32	3.01	3.03	4.95	8.15	9.14
July 2019	NS	NS	NS	181	NS	NS	NS	NS	NS	NS	181	8.11	NS	37.2	21.2	NS	NS	5.62	162	4.54	258	NS	NS	NS	NS	7.24	NS	NS	NS	NS	6.57	7.97
April 2019	22.8	NS	82.9	209	NS	NS	226	169	NS	NS	160	8.47	NS	NS	NS	NS	178	6.50	182	8.48	223	NS	NS	NS	NS	4.38	NS	NS	NS	NS	8.06	9.41
January 2019	NS	NS	NS	198	NS	NS	NS	NS	NS	NS	146	7.40	NS	NS	NS	NS	NS	5.68	123	4.93	325	NS	NS	NS	NS	3.67	NS	NS	NS	NS	7.90	9.90
October 2018	32.9	29.6	47.6	89.6	43.9	252	146	179	84.1	2.12	206	7.56	23.2	NS	NS	37.0	211	5.48	274	5.20	318	101 3	84 ⁽³⁾	455	67.6	4.50	3.73	3.57	3.73	5.10	8.67	8.70
July 2018	NS	NS	NS	152	NS	NS	NS	NS	NS	NS	188	9.19	NS	NS	NS	NS	NS	6.37	196	6.89	316	NS 5	03 (3)	NS	NS	9.96	RS	NS	NS	NS	9.05	10.3
April 2018	26.6	NS	(4)	133	NS	NS	122	153	NS	NS	188	10.6 (5)	NS	NS	NS	NS	194	10.8	170	6.98	317		92 ⁽³⁾	NS	NS	10.5	NS	NS	NS	NS	8.22	11.1
January 2018	NS	NS	NS	75.5	NS	NS	NS	NS	NS	NS	124	9.28	NS	NS	NS	NS	NS.	8.73	176	5.40	 		43 (3)	NS	NS	10.4	NS	NS	NS	NS	8.23	9.75
October 2017		53.1	24.5	74.9	48.8	336	221	153	112	2.77	323	9.76	39.3	NS	NS	NS	240	12.5	563	6.03	 		39 ⁽³⁾	NS	NS	10.7	NS	4.24	4.82	6.08	9.46	10.7
August 2017	NS NS	NS	NS	97.4	NS	NS	NS	NS	NS	NS NS	372	9.10	NS	NS	NS	NS	NS NS	10.6	215	6.33	 		215	NS	NS	13.7	NS	NS	NS	NS	8.34	9.95
April 2017	23.7	NS	30.0	143	NS	NS	270	104	NS	NS	388	9.10	NS	NS	NS	NS	324	13.3	NS	NS			NS NS	NS	NS	12.0	NS NS	NS	NS NS	NS	12.2	10.2
October 2016	43.6	NS	29.5		48.2	300	632	85.3	176	3.10	458	NS NS	31.4	NS	NS	NS	451	NS NS	NS	NS			NS	NS	NS	18.6	NS NS	4.15	NS NS	6.02	12.4	9.71
April 2016		50.2	33.9		41.0	273	1,200	183	170	2.70	431	NS	32.4	NS	NS	NS	413	NS	NS	NS	 		NS	NS	NS	9.00	NS	4.00	3.50	5.80	10.9	8.00
October 2015	21.1	60.3	37	_	43.0	300	1,220	752	139	2.40	423	NS	29.8	NS	NS	NS	441	NS	NS	NS		-	NS	NS	NS	13.5	NS	3	3.30	5	10.9	7.1
April 2015	22	47.8	45	342	42.0	354	1,580	1,070	204	4.10	399	NS	25.8	NS	NS	NS	407	NS	NS	NS	 		NS	NS	NS	10.1	NS	4	4	5	9.3	8.4
October 2014		50.4	57	107	43.6	318	1,650	1,130	117	3.40	436	NS	23.2	NS	NS	NS	323	NS	NS	NS	 		NS	NS	NS	11.2	NS	3	4	4	10.7	NS
April 2014		63.7	49	_	37.2	183	1,430	1,260	136	5.40	376	NS	23.2	NS	NS	NS	326	NS	NS	NS	 		NS	NS	NS	10.1	NS	3	4	4	10.5	NS
October 2013	12.4	107	54	168	40	181	1,740	1,220	174	5.30	404	NS	21.9	NS	NS	NS	302	NS	NS	NS	 		NS	NS	NS	12	NS	4	3.6	5	13.9	NS
April 2013	16.5	163	30	363	38.0	199	1,910	1,580	252	6.60	398	NS	23.8	NS	NS	NS	296	NS	NS	NS	 		NS	NS	NS	10.9	NS	3	5.5	5	16.6	NS
October 2012	40.8	184	17	196	40	231	2,350	1,580	261	12.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	4	3.0	5	155	NS
April 2012	43.8	287	61	137	38	107	2,180	1,480	305	18.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	 		NS	NS	NS	NS	NS	4	4	5	370	NS
September 2011	86.3	885	23	99.6	38	213	2,520	1,520	640	21.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	 		NS	NS	NS	NS	NS	4	4	5	28.2	NS
April 2011		1,170	32	126	39	203	2,720	1,610	854	5.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	3	3	5	21.2	NS
October 2010		1,290	41	34	37	211	2,220	1,460	1,580	5.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	3	5	6.1	NS
April 2010		1,370	27	31.1	37	159	2,450	1,610	2,410	15.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	 		NS	NS	NS	NS	NS	4	4	5	12.8	NS
October 2009		1,320	38	39.8	37	202	2,220	1,390	2,060	16.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		-	NS	NS	NS	NS	NS	3	2	5	11	NS
April 2009		1,490	331	68.2	38	175	2,340	1,630	2,190	22.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	 		NS	NS	NS	NS	NS	3	3	5	11.1	NS
October 2008		1,430	98	37.7	38	204	2,510	1,720	2,270	22.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1		NS	NS	NS	NS	NS	3	2	5	12.2	NS
Historical Events					,					•		,								•			<u> </u>									
March 2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	3	5	18	NS
August 2006	89	1,900	56	450	38	200	3,800	3,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
September 2005		1,790	50 U		50 U	266	3,530	1,810	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			NS		NS	NS	NS	NS	NS	NS	NS	NS
March 2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7	2.5 U	5	21.2	NS
December 2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6	5 U	6	21	NS
September 2003	190	1,900	5	110	31	300	4,600	2,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	6	5	8	20	NS
June 2003	240	1,800	5 U	370	38	270	4,600	2,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	5 U	6	30	NS
March 2003		1,700	5 U	330	38	240	4,300	2,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	30	NS
December 2002	230	1,600		58	36	310	4,500	2,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS
September 2002	220	1,600	5 U	97	35	280	4,500	2,300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5	20	NS
June 2002	240	1,800	5	280	38	260	4,700	2,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	6	30	NS
April 2002	300	1,800	5 U	400	50	300	4,300	2,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5	30	NS
December 2001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8	8	5 U	30	NS
June 2001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	4	6	30	NS
March 2001	280	1,800	3	130	39	230	4,300	2,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	3	6	30	NS
				_																						_		_				

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B&L Woodwaste Site

Table 1
Groundwater Arsenic Results (1)

Part														Ground	awatei	Aiscii		4113															
Sample Legal Market Sample Legal Market Sample Legal Market Sample Marke													ι	Jpper San	d Aquifer															Lowe	r Sand Aq	uifer	
Historical Elevents Februs 1.5 1													7	otal Arse	nic (μg/L)															Total	Arsenic (բ	ıg/L)	
December 2000 780 7.00 780 7.00 780 7.00 780 7.00 780 7.00 780 7	Sample Location	D-5U	D-6A	D-7A	D-8A	D-9A	D-10A	MW-13	MW-15	MW-30	MW-31A	MW-33	MW-34	MW-35	MW-41	MW-42	PD-60	PD-141	PD-214	PZ-3A	PZ-4A	PZ-5A	R-14	R-15	R-22	R-23	W-1	W-3	D-5L	D-6B	D-7B	D-8B	MW-40B
September 2000 260 2,000 5.0 68 88 83 350 4,500 2,700 88 88 88 88 88 88 88	Historical Events (co	nt.)																															
	December 2000	280	2,100	3	62	39	270	5,300	3,100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	4	6	20	NS
March 1999 300 1,000 5 U 150 3 0 2 0 3 0 2 0 3 0 3 0 2 0 3	September 2000	260	2,000	5	68	58	350	4,600	2,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	5	6	20	NS
January 2000 300 1,000 5 U 130 40 210 420 4320 4,000 85 U 130 40 220 4,000 85 U 130 40 420 4320 4,000 85 U 130 40 40 40 40 40 40 40	June 2000	180	1,500	5 U	96	40	250	3,200	2,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS
September 1999 300 1,900 5 U 140 47 310 5,000 3,400 NS NS NS NS NS NS NS	March 2000	310	1,600	5 U	150	39	220	6,200	2,300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS
	January 2000	300	1,400	5 U	130	40	240	4,300	2,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	6	30	NS
March 1999	September 1999	300	1,900	5 U	140	47	310	5,600	3,400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	5	6	20	NS
December 1998 220 980 6 100 38 260 5,700 3,200 8,7	June 1999	300	,	5 U		38	260	4,600	2,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS
September 1998 290 1,800 5 U 150 5 U 250	March 1999	340	2,000	5 U		39	260	4,600	3,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	6	30	NS
June 1998 320 1,900 5 U 69 42 360 NS NS NS NS NS NS NS N	December 1998	320	980	6		38	260	5,700	3,200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	7	30	NS
March 1998 380 2,400 5 U 97 38 350 NS NS NS NS NS NS NS N	September 1998	290	1,800	5 U	150	52	340	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS
December 1997 480 2,600 5 U 130 41 490 NS NS NS NS NS NS NS N	June 1998	320	1,900	5 U	69	42	360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS
September 1997 340 2,400 5 U 210 56 390 NS NS NS NS NS NS NS N	March 1998	380	2,400	5 U		38	350	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	40	NS
June 1997 390 2,200 5 U 200 49 350 NS NS NS NS NS NS NS N	December 1997	480	2,600	5 U	130	41	490	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	7	60	NS
March 1997 360 1,900 5 110 36 340 NS NS NS NS NS NS NS N	September 1997	+	,			56		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	5 U	5 U	5 U	60	NS
Annuary 1997 310 2,000 5 U 130 39 310 NS NS NS NS NS NS NS N	June 1997	+			-		350	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		5 U	5	60	NS
September 1996 300 2,000 5 U 260 73 470 NS NS NS NS NS NS NS N		1	,			36		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS				60	NS
June 1996 NS NS S U 130 49 470 NS NS NS NS NS NS NS N	January 1997	_	,			39		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	90	NS
March 1996 NS NS 5 U 150 39 420 NS	September 1996	300	2,000			73		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			NS	NS			NS	NS	5	6	5	100	NS
December 1995 NS	June 1996	NS					1	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS				NS	NS	NS	NS	NS	NS	NS				
June 1995 300 2,200 5 U 170 55 540 NS							+				-																						
March 1995 350 2,400 5 U 180 34 320 NS		+															1																+
December 1994 312 2,494 5 U 130 42 492 NS		_					1		NS		NS	NS	NS	NS		NS	NS	NS	NS				NS	NS		NS	NS			5 U			
August 1994 314 3,252 5 U 145 84 542 NS		_					+				-																						
May 1994 307 2,745 5 U 133 39 363 NS		+									-																						
January 1994 284 2,505 5 U 165 64 402 NS NS <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>NS</td> <td>NS</td> <td>NS</td> <td></td> <td>NS</td> <td>NS</td> <td>NS</td> <td></td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td></td> <td></td> <td></td> <td></td> <td>NS</td> <td>NS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		+					1	NS	NS	NS		NS	NS	NS		NS	NS	NS	NS	NS					NS	NS							
May 1993 170 NS			,				_				-																						
August 1990 22 NS		+			-		_										-						-										+
December 1989 NS					-												-																
		+			-						-																						
September 1989 NS NS NS NS NS NS NS N		+			-		_					-	-				-						-		_								-
	September 1989	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

- 1 Reported value is the maximum concentration per location, per sampling date.
- 2 The laboratory flagged the result "J" to indicate the internal standard associated with the analyte is out of control limits and the reported concentration is an estimate. The sample was re-run at a 5X dilution and the result was non-detect at a concentration of 5 µg/L.
- 3 Well development conducted during the July 2018 event indicated well damage, and associated sediment was biasing results high beginning in October 2017.
- 4 No results are reported. Results from sampling during the April 2018 event and follow-up sampling on May 22, 2018, are both biased high from elevated turbidity. 5 Results are from analyses of groundwater collected on May 22, 2018.

Abbreviations:

- μg/L Micrograms per liter
- NS Not sampled

Qualifiers

- J Concentration is an estimate.
- U Analyte is undetected at given reporting limit.

Groundwater Arsenic Results

Table 2
Surface Water Arsenic Results (1)

	SW		er Arsenic R	/-03	SW	-05
	Dissolved	Total	Dissolved	Total	Dissolved	Total
	Arsenic	Arsenic	Arsenic	Arsenic	Arsenic	Arsenic
Sampling Date	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
Compliance Monitor		(F-0 <i>i</i> - <i>i</i>	(F-67 -7	(F-01 -1	(F-01 -1	(F-0) -1
January 2021	3.93	4.20	NS	NS	2.22	4.63
October 2020	19.4	19.3	5.32	7.23	6.98	7.71
October 2019	9.46	14.3	4.89	5.70	7.21	13.9
October 2018	6.37	11.4	4.21	9.14	4.36	10.3
October 2017	5.12	10.2	6.51	8.94	4.62	9.99
October 2016	9.02	8.96	6.96	11.0	7.65	10.6
April 2016	9.00	17.0	8.00	15.0	8.20	17.0
October 2015	10.2	15.4	4.9	6.5	7.5	14.6
April 2015	5.6	7.8	4.4	14.6	7.9	12.1
October 2014	5.9	9.2	3.3	4.1	6.4	12
April 2014	7.6	10.3	5.7	9.6	13.3	18.1
October 2013	10.5	15.6	5.8	9.9	8.4	15.9
April 2013	18.1	22.1	7.9	10.4	11.5	23.4
October 2012	NS	NS	29.4	54.6	11.5	51.2
April 2012	9.3	10.3	4.1	8.2	16.8	24.4
September 2011	8.6	10.1	4.5	5.4	7.9	24.2
April 2011	9.1	9.1	3	6.2	12.4	18.4
October 2010	8	NA	5.3	NA	10.1	NA
April 2010	9.8	10.9	4.5	48	14.3	20.7
October 2009	5.7	7	4.7	8.9	10.1	22.6
April 2009	5.1	8.7	5.6	7	10.5	15.1
October 2008	17.6	25	4.3	8.7	8	54
Historical Events		Т	T			T
December 2006	NS	7	NS	10	NS	14
July 2006	NS	NS	NS	97	NS	65
September 2003	16	53	8	21	NS	NS
June 2003	11	580	NS	NS	NS	NS
March 2003	9	11	11	24	NS	NS
December 2002	5 U	5 U	5 U	5 U	NS	NS
September 2002	10	370	5 U	5 U	NS	NS
June 2002	24	30	14	15	NS	NS
April 2002	22	26	11	17	NS	NS NG
March 2001	22	75	40	110	NS	NS NC
December 2000 September 2000	31 13	81	24 92	24	NS NS	NS NS
June 2000	15	2,220 85	37	1,800 220	NS NS	NS NS
March 2000	23	73	15	20	NS	NS NS
January 2000	14	18	9	10	NS	NS NS
June 1999	21	24	8	10	NS	NS NS
March 1999	10	11	12	19	NS	NS NS
December 1998	42	40	19	18	NS	NS
March 1997	NS	NS	NS	NS	NS	NS
January 1997	NS	NS	10	9	NS	NS
March 1996	NS	NS	NS	NS	NS	NS
December 1995	NS	NS	NS	NS	NS	NS
June 1995	54	42	21	150	NS	NS
March 1995	31	86	25	41	NS	NS
December 1994	7	14	28	58	NS	NS
August 1994	61	101	60	104	NS	NS
May 1994	41	64	52	95	NS	NS
January 1994	NS	NS	72	222,000	NS	NS
May 1993	90 U	50 U	33	30 U	NS	NS
January 1990	230	370	89	110	NS	NS
November 1989	390	3,400	93	390	NS	NS
October 1989	38	170	49	60	NS	NS

Note:

1 Reported value is the maximum concentration per location, per sampling date.

Abbreviations:

μg/L Micrograms per liter

NA Not analyzed

NS Not sampled

Qualifier:

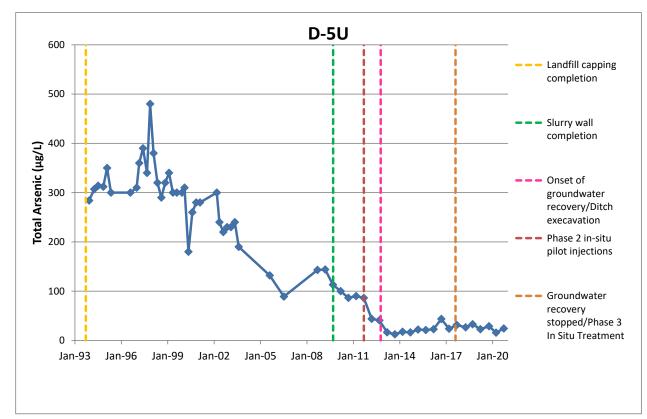
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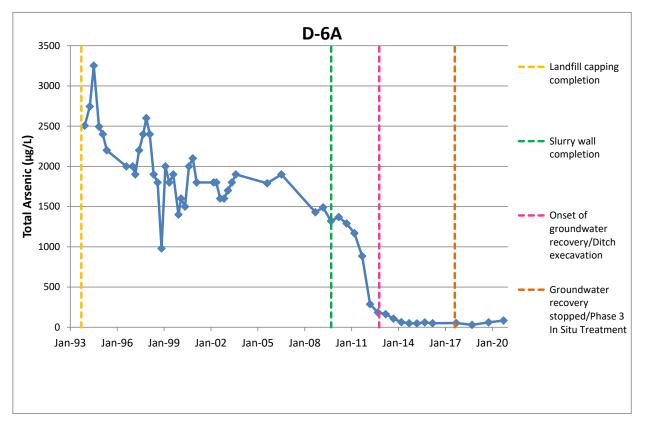
Attachment 1 Time-Concentration Plots

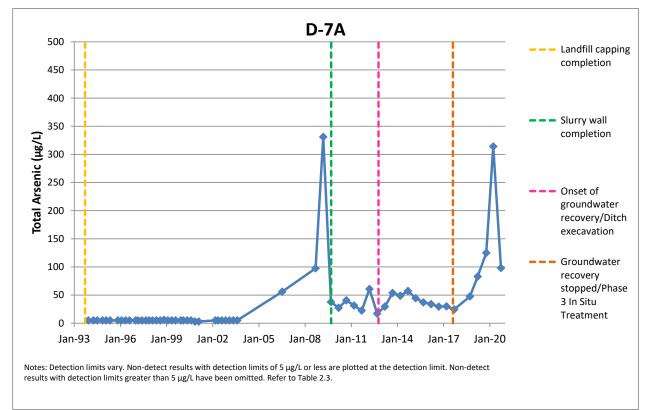
FLOYDISNIDER

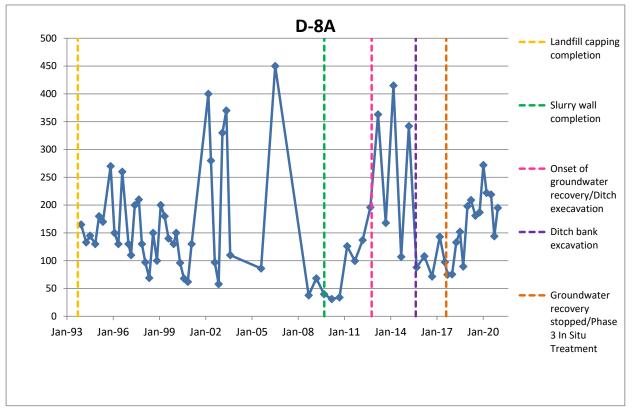
B&L Woodwaste Site

Attachment 1
Time-Concentration Plots





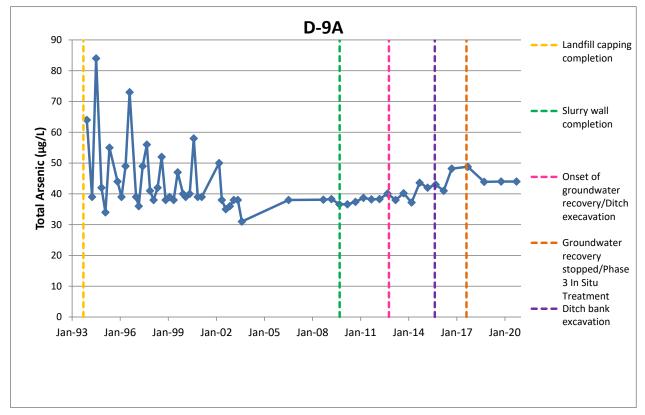


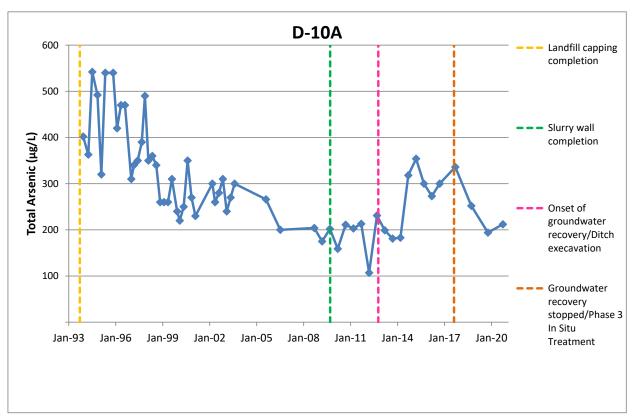


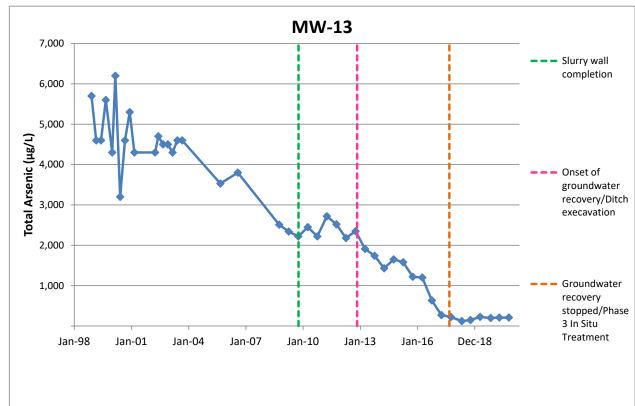
FLOYD | SNIDER

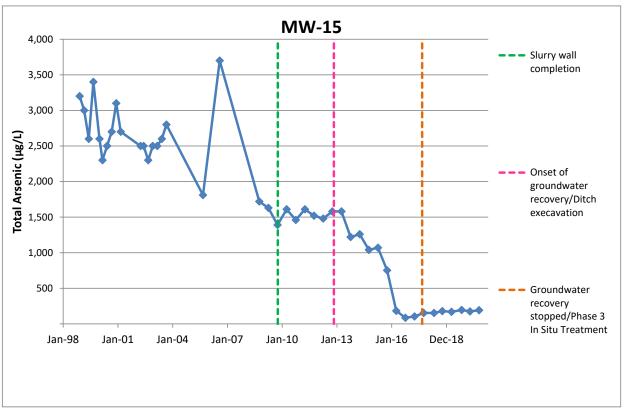
B&L Woodwaste Site

Attachment 1
Time-Concentration Plots





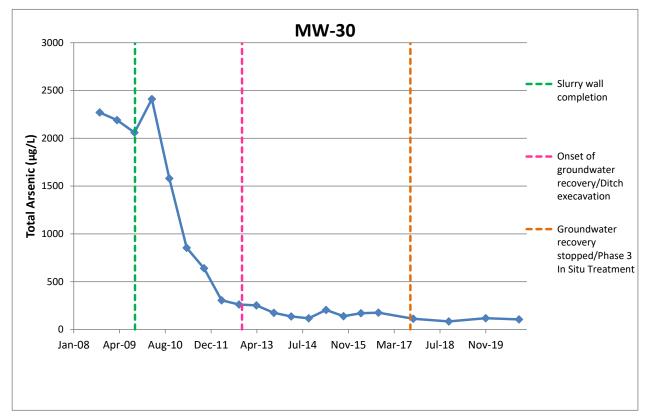


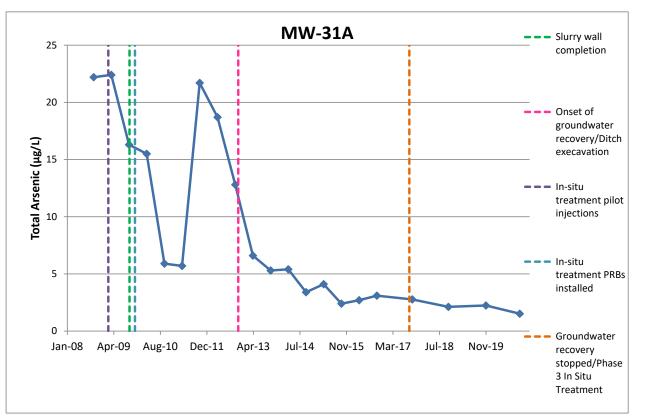


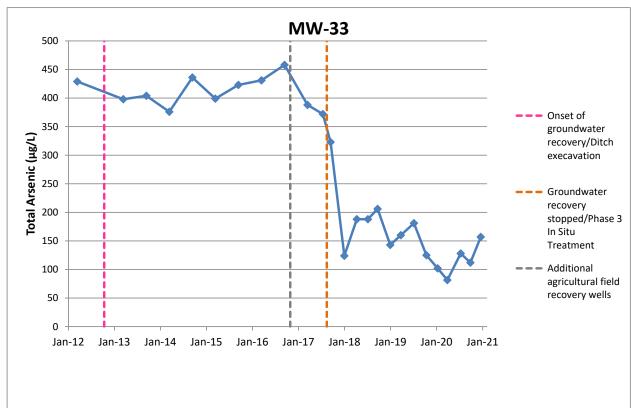
FLOYD | SNIDER

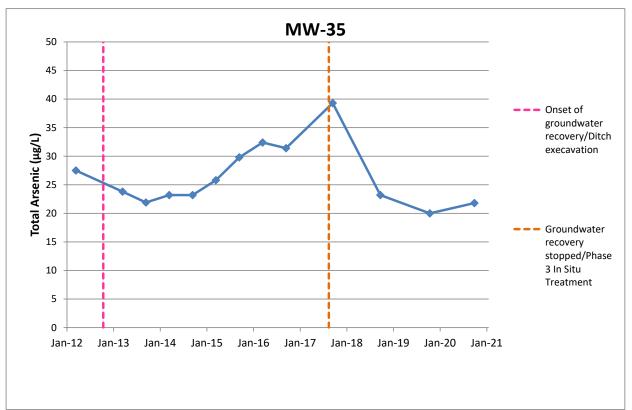
B&L Woodwaste Site

Attachment 1
Time-Concentration Plots





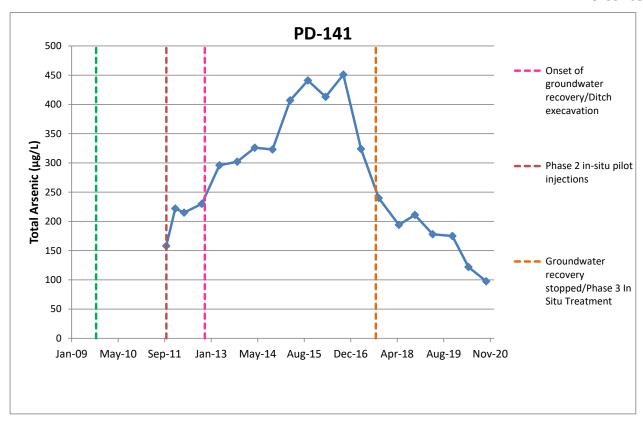


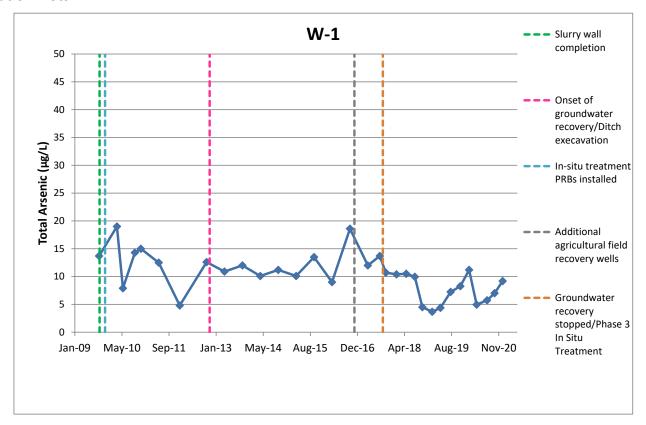


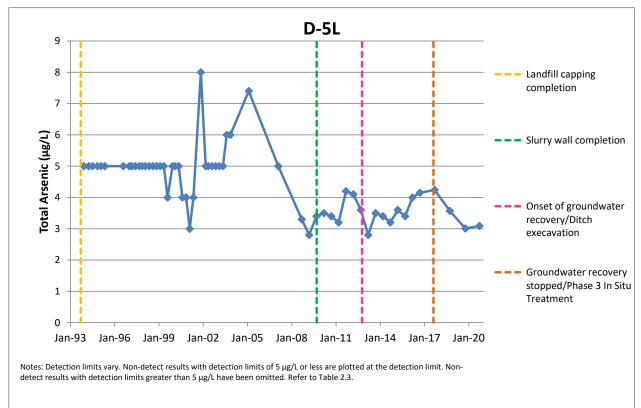
FLOYDISNIDER

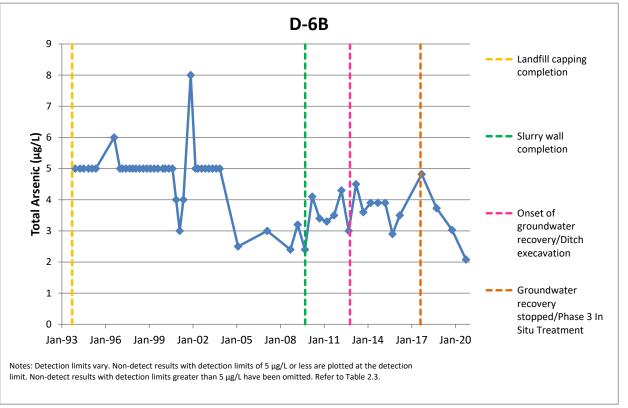
B&L Woodwaste Site

Attachment 1
Time-Concentration Plots





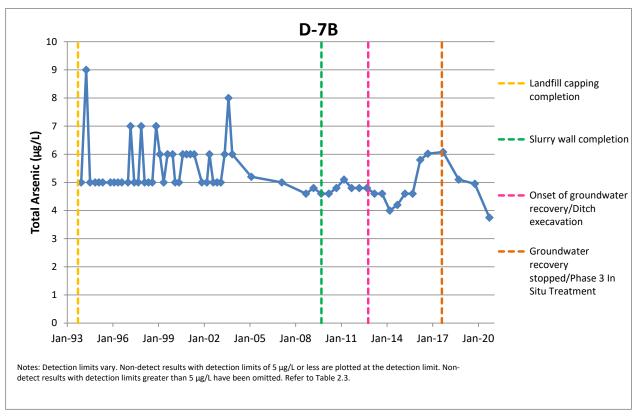


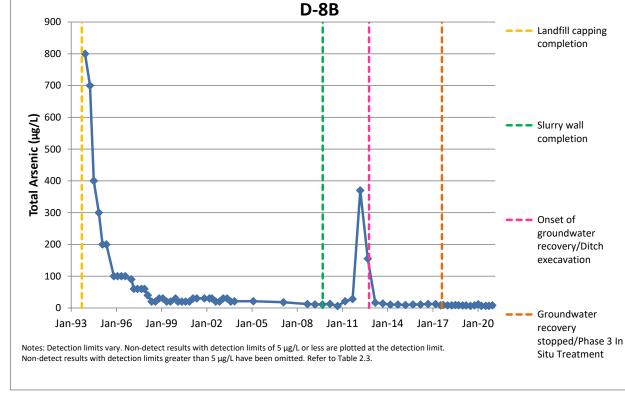


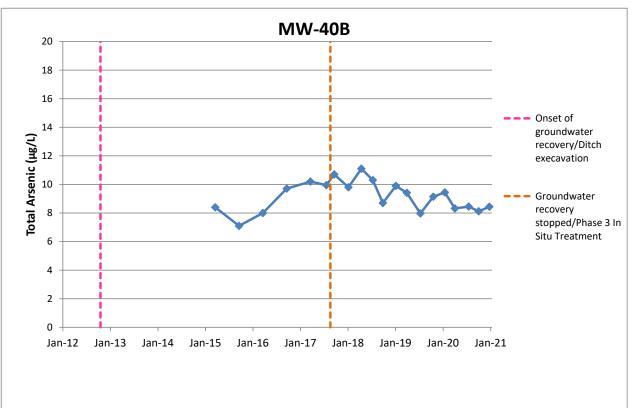
FLOYD | SNIDER

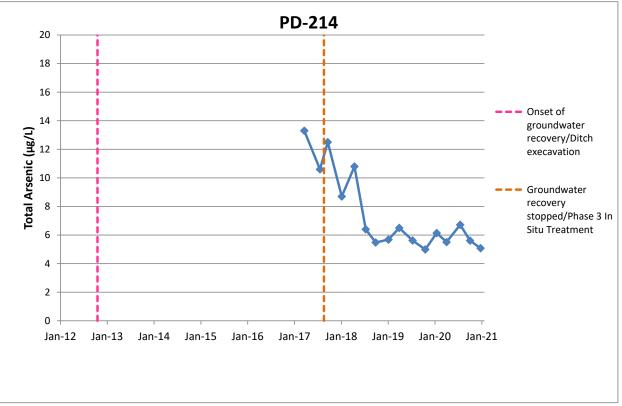
B&L Woodwaste Site

Attachment 1
Time-Concentration Plots





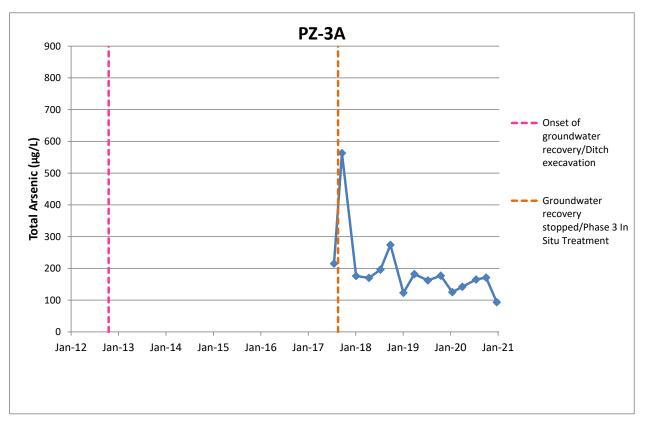


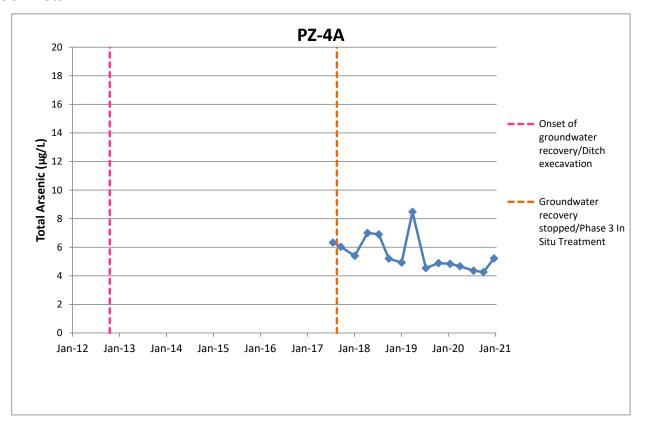


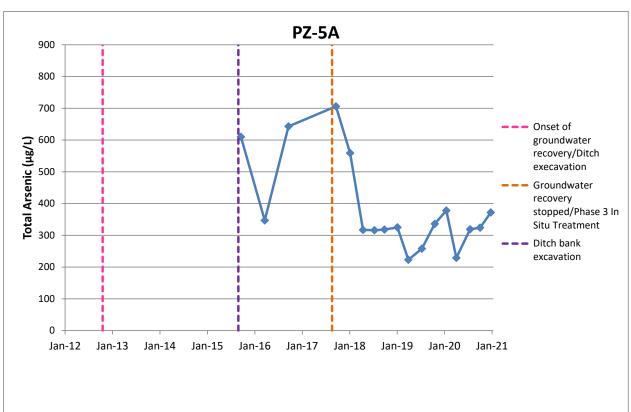
FLOYD | SNIDER

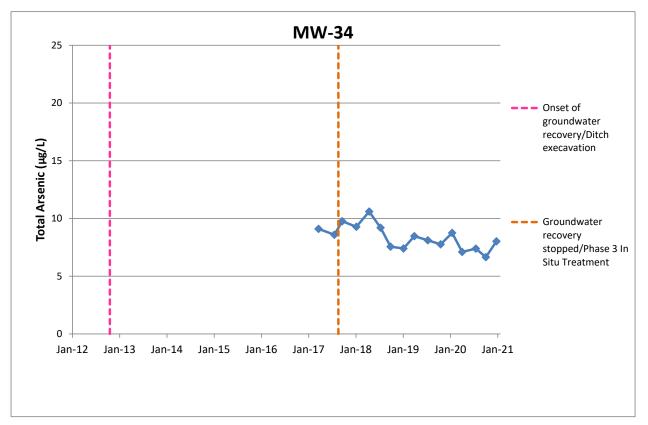
B&L Woodwaste Site

Attachment 1
Time-Concentration Plots



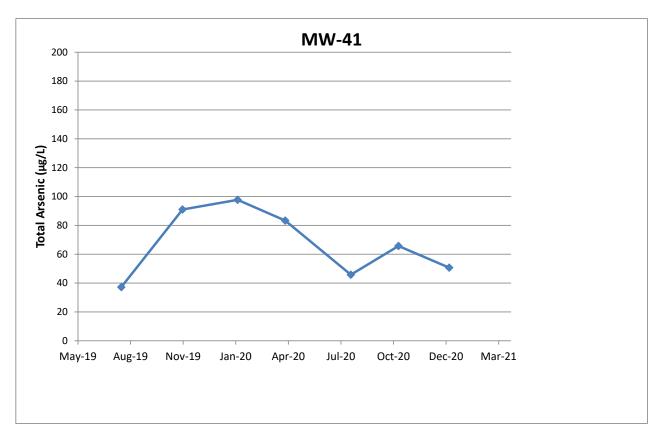


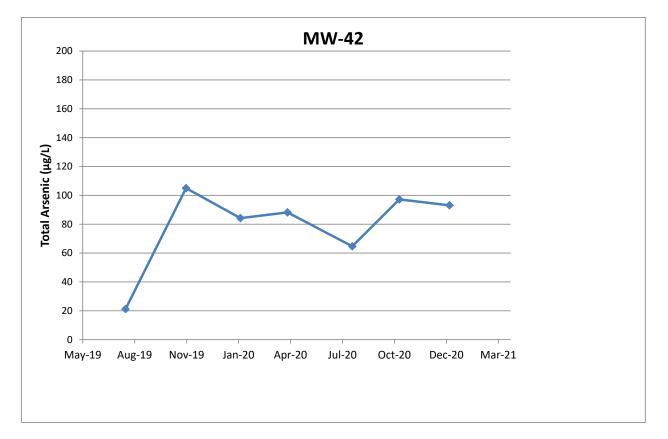




FLOYDISNIDER

Attachment 1
Time-Concentration Plots

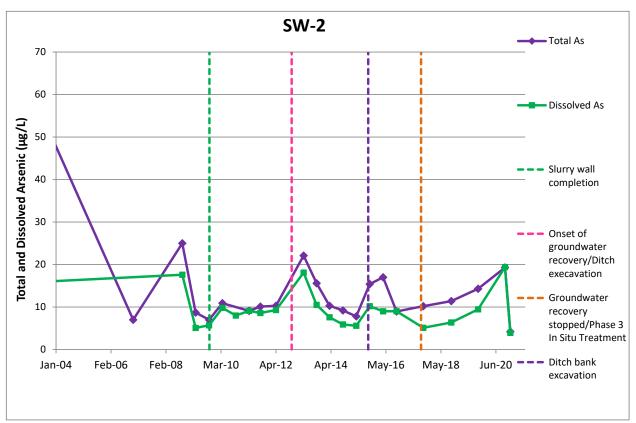


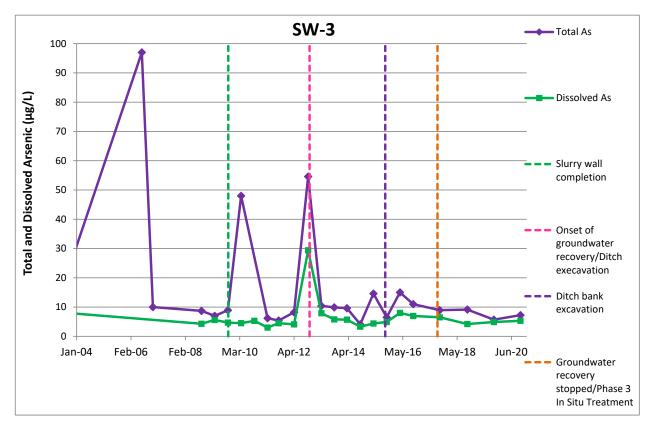


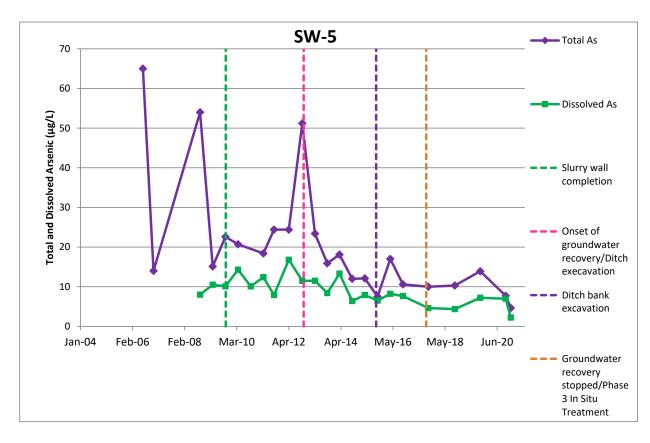
FLOYD | SNIDER

B&L Woodwaste Site

Attachment 1
Time-Concentration Plots







Attachment 2 Laboratory Analytical Report

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

January 8, 2021

Brett Beaulieu, Project Manager Floyd-Snider Two Union Square, Suite 600 601 Union St Seattle, WA 98101

Dear Mr Beaulieu:

Included are the results from the testing of material submitted on January 6, 2021 from the B+L 1507.1, F&BI 101028 project. There are 25 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures FDS0108R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 6, 2021 by Friedman & Bruya, Inc. from the Floyd-Snider B+L 1507.1, F&BI 101028 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Floyd-Snider
101028 -01	BLW-GW-PZ-3A
101028 -02	BLW-GW-PZ-4A
101028 -03	BLW-GW-PZ-5A
101028 -04	BLW-GW-D-8A
101028 -05	BLW-GW-D-8B
101028 -06	BLW-GW-PD-214
101028 -07	BLW-GW-MW-33
101028 -08	BLW-GW-MW-34
101028 -09	BLW-GW-MW-40B
101028 -10	BLW-GW-MW-41
101028 -11	BLW-GW-MW-42
101028 -12	BLW-SW-2
101028 -13	BLW-SW-2-FF
101028 -14	BLW-SW-172
101028 -15	BLW-SW-172-FF
101028 -16	BLW-SW-5
101028 -17	BLW-SW-5-FF
101028 -18	BLW-GW-W-1
101028 -19	BLW-GW-PZ-173

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID: BLW-SW-2-FF Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

 Date Extracted:
 01/06/21
 Lab ID:
 101028-13

 Date Analyzed:
 01/06/21
 Data File:
 101028-13.096

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 3.93

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID: BLW-SW-172-FF Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 3.90

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID: BLW-SW-5-FF Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 2.22

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID: Method Blank Client: Floyd-Snider

Date Received: Not Applicable Project: B+L 1507.1, F&BI 101028

01/06/21 Lab ID: Date Extracted: I1-08 mb Date Analyzed: 01/06/21 Data File: I1-08 mb.094 Matrix: Water Instrument: ICPMS2 Units: ug/L (ppb) SPOperator:

Operator. S

 $\begin{array}{c} \text{Concentration} \\ \text{Analyte:} \\ \text{ug/L (ppb)} \end{array}$

Arsenic <1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-PZ-3A Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 93.5

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-PZ-4A Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 5.22

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-PZ-5A Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 372

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-D-8A Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 195

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-D-8B Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Uperator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 8.27

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-PD-214 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Matrix: Water Instrument: ICPMS2
Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 5.08

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-MW-33 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 157

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-MW-34 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 8.02

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-MW-40B Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 8.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-MW-41 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 50.7

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-MW-42 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 93.1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-SW-2 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 4.20

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-SW-172 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 4.18

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-SW-5 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 4.63

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-W-1 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 9.19

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: BLW-GW-PZ-173 Client: Floyd-Snider

Date Received: 01/06/21 Project: B+L 1507.1, F&BI 101028

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 82.2

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID: Method Blank Client: Floyd-Snider

Date Received: Not Applicable Project: B+L 1507.1, F&BI 101028

01/06/21 Lab ID: Date Extracted: I1-09 mb Date Analyzed: 01/06/21 Data File: I1-09 mb.103 Matrix: Water Instrument: ICPMS2 Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Date of Report: 01/08/21 Date Received: 01/06/21

Project: B+L 1507.1, F&BI 101028

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 6020B

Laboratory Code: 101028-13 (Matrix Spike)

				Percent	Percent			
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD	
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)	
Arsenic	ug/L (ppb)	10	3.93	97	101	75-125	4	

Laboratory Code: Laboratory Control Sample

			$\operatorname{Percent}$	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	101	80-120

ENVIRONMENTAL CHEMISTS

Date of Report: 01/08/21 Date Received: 01/06/21

Project: B+L 1507.1, F&BI 101028

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 101028-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Arsenic	ug/L (ppb)	10	93.5	108	113	75 - 125	5

Laboratory Code: Laboratory Control Sample

			$\operatorname{Percent}$	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	97	80-120

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Seattle, WA 98119-2029 BLW-6W-MW-41 10 800-00-MO-403/09 BLW-GW-MW-34 108 3012 16th Avenue West Friedman & Bruya, Inc. BIW-GW-PD-214 BUN-6-0-0-85 BLW-6-W-D-8A BLW-6W-PZ-SA 45-38-92-MB 40 89 AM-RA-RA-RA B1-27-00-P2-34 Phone 2972-2079 Email Broth Brownian & Fley Project specific RLs? Yes 1900 City, State, ZIP SOHME, WA 98101 Address VO Company Flight Snider Report To BREH BENULLY 101028 Sample ID Manual + She how Relinquished by: Received by: Relinquished by: 0 0 06 02 Lab ID SIGNATURE 15/2021 Sampled Date ξ 13/2 8 ゴ たる 22.25 1230 |CC120 1339 1258 12.M SAMPLE CHAIN OF CUSTODY Sampled Time REMARKS PROJECT NAME SAMPLERS (signature) 377 P E B E R E ころなく E 950 9 GU) JE S Sample PRINT NAME # of Jars 1-2021 7-40 INVOICE TO ANALYSES REQUESTED test PO# PCBs EPA 8082 COMPANY 01-06-21 × total arsenic ☐ Archive samples Standard turnaround Rush charges authorized by: Default: Dispose after 30 days TURNAROUND TIME Page # SAMPLE DISPOSAL 9 DATE

Notes

814

Ph. (206) 285-8282

Received by

Samples received at 9

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TOOL

10:01 HMIL

9 oc	Samples received at 9			Annual Control of the	Received by:	Ph. (206) 285-8282	
+ + 00					telinquished by:	.2029	
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1/6 10:04	FIS	tot	Tyler Q	Month!	Received her hallen		
DATE TIME	COMPANY	NAME	PRINT NAM	S.E.	SIGNATURE Relinquished by	Friedman & Bruva, Inc.	
	X		Gw -	1200	10 1152	BLW-6W-72-17-3	
	X		- SE	SSall		BLW - GW - W-1	
	×		Sw) 1	ie S	T P	Bi-Sw-S-FF	
	×		SW 1	ie S	i de la constant de l	BLW-SW-S	
	×		SE -	1505	があっ	BLW-SW-172-FF	
	×		Sw 1	1500		BLW-SW-172	
	×		Swi 1	ESP	5	BLW-SW-2-FF	
	×		SW	Shall Base		BLW-SW-2	
	×		(i)		2 1/1 1/5/21	BLW-6W-MW-42	
Notes	PAHS EPA 8270 PCBS EPA 8082 total arsenic dissolved As	NWTPH-Dx NWTPH-Gx BTEX EPA 8021 NWTPH-HCID VOCs EPA 8260	Sample #of Type Jars	te Time pled Sampled	Lab ID Date Sampled	Sample ID	
	ANALYSES REQUESTED						
Sold Taylor according	3						
isnase after 36	lefault: D	es / No	Project specific RLs? - Yes / N	Project	Email	PhoneE	
samples	☐ Archive samples			- ANALYSI - ANAL	A THE TAXABLE TO A THE TAXABLE TO TH	7	

SAMPLE CHAIN OF CUSTODY $\ \mathcal{ME}$

BIY

SAMPLERS (signature)

PROJECT NAME

Page#

Standard turnaround

RUSH
Rush charges authorized by: TURNAROUND TIME

SAMPLE DISPOSAL

City, State, ZIP

REMARKS

BHL

B+L 1507.1

INVOICE TO

Address_

Company Floyd Snider

10/028
Report To Broth Beauling