

Fly Ash Quarterly Report

January 1, 2019 to March 31, 2019

The following quarterly fly ash report was sent to the Ministry of Environment and Climate Change Strategy on April 25, 2019.

Two fly ash loads were reprocessed on site as the lead content was above the Leachate Quality Standards of the Hazardous Waste Regulation. The remaining loads processed in the quarter passed the Leachate Quality Standards and pH requirements of the Hazardous Waste Regulation and were released for landfill disposal.

January 1, 2019 to March 31, 2019	
Number of loads tested	111
Number of samples submitted	114
Samples with leachable cadmium above the detection limit	3
Maximum leachable cadmium value (mg/L) of loads released for disposal	0.085
Samples with leachable lead above the detection limit	42
Maximum leachable lead value (mg/L) of loads released for disposal	4.62
Loads meeting Leachate Quality Standards and pH requirements of the Hazardous Waste Regulation	109
Loads reprocessed on site	2

Note: The number of samples submitted includes monthly fly ash composite samples.

date sample sent to lab	lab sample number	Covanta Sample ID	name of lab	date of report	pH 2:1	TCLP					
						initial pH	pH after HCl	pH of leaching fluid	final pH	cadmium	lead
2-Jan-19	L2215551-3	BURFA A WMXU 2000040 Jan 1, 2019	ALS	3-Jan-19	11.64	12.29	11.92	2.87	10.48	<0.050	<0.25
3-Jan-19	L2216175-1	BURFA WMXU 2000987 Jan 2, 2019	ALS	4-Jan-19	11.64	12.28	12.24	2.84	11.01	<0.050	<0.25
3-Jan-19	L2216175-2	BURFA WMXU 2001010 Jan 2, 2019	ALS	4-Jan-19	11.65	12.31	12.24	2.84	11.51	<0.050	0.75
4-Jan-19	L2216688-1	BURFA WMXU 2000842 Jan 3, 2019	ALS	7-Jan-19	11.52	12.21	12.04	2.84	10.56	<0.050	<0.25
4-Jan-19	L2216688-2	BURFA WMXU 2000246 Jan 3, 2019	ALS	7-Jan-19	11.56	12.25	12.11	2.84	10.8	<0.050	<0.25
7-Jan-19	L2217191-1	BURFA WMXU 2000550 Jan 6, 2019	ALS	8-Jan-19	11.64	12.43	12.18	2.88	10.78	<0.050	<0.25
7-Jan-19	L2217191-2	BURFA WMXU 2001160 Jan 6, 2019	ALS	8-Jan-19	11.66	12.34	12.19	2.88	11.6	<0.050	0.38
8-Jan-19	L2217680-1	BURFA WMXU 2000293 Jan 7, 2019	ALS	9-Jan-19	11.64	12.26	12.07	2.88	10.6	<0.050	<0.25
8-Jan-19	L2217680-2	BURFA WMXU 2000647 Jan 7, 2019	ALS	9-Jan-19	11.67	12.26	11.81	2.88	10.67	<0.050	<0.25
9-Jan-19	L2218224-1	BURFA WMXU 2001031 Jan 8, 2019	ALS	10-Jan-19	11.63	12.32	12.03	2.9	10.44	<0.050	<0.25
9-Jan-19	L2218224-2	BURFA WMXU 2000143 Jan 8, 2019	ALS	10-Jan-19	11.64	12.33	12	2.9	10.68	<0.050	<0.25
10-Jan-19	L2218873-1	BURFA WMXU 2000272 Jan 9, 2019	ALS	11-Jan-19	11.65	12.21	11.98	2.9	10.76	<0.050	<0.25
10-Jan-19	L2218873-2	BURFA WMXU 2000502 Jan 9, 2019	ALS	11-Jan-19	11.65	12.27	12.15	2.9	11.2	<0.050	<0.25
11-Jan-19	L2219396-1	BURFA WMXU 2000101 Jan 10, 2019	ALS	14-Jan-19	11.62	12.19	11.93	2.85	10.66	<0.050	<0.25
11-Jan-19	L2219396-2	BURFA WMXU 2000380 Jan 10, 2019	ALS	14-Jan-19	11.62	12.26	12.04	2.85	10.48	<0.050	<0.25
14-Jan-19	L2219876-1	BURFA WMXU 2000924 Jan 13, 2019	ALS	15-Jan-19	11.58	12.31	12.21	2.86	11.14	<0.050	<0.25
14-Jan-19	L2219876-2	BURFA WMXU 2000170 Jan 13, 2019	ALS	15-Jan-19	11.56	12.31	12.25	2.86	10.78	<0.050	<0.25
15-Jan-19	L2220489-1	BURFA WMXU 2000689 Jan 14, 2019	ALS	16-Jan-19	11.54	12.29	12.09	2.86	10.47	<0.050	<0.25
15-Jan-19	L 2220489-2	BURFA WMXU 2000708 Jan 14, 2019	ALS	16-Jan-19	11.5	12.27	11.92	2.86	10.19	<0.050	<0.25
16-Jan-19	L2221213-1	BURFA WMXU 2000565 Jan 15, 2019	ALS	17-Jan-19	11.54	12.09	11.48	2.88	9.75	<0.050	<0.25
16-Jan-19	L2221213-2	BURFA WMXU 2000061 Jan 15, 2019	ALS	17-Jan-19	11.57	12.24	12.03	2.88	10.06	<0.050	<0.25
17-Jan-19	L2221851-1	BURFA WMXU 2000668 Jan 16, 2019	ALS	18-Jan-19	11.6	12	11.28	2.88	9.02	0.085	<0.25
17-Jan-19	L2221851-2	BURFA WMXU 2000879 Jan 16, 2019	ALS	18-Jan-19	11.62	12.23	11.8	2.88	10.04	<0.050	<0.25
21-Jan-19	L2222866-1	BURFA WMXU 2001221 Jan 20, 2019	ALS	22-Jan-19	11.54	12.14	11.68	2.88	9.69	<0.050	<0.25
21-Jan-19	L2222866-2	BURFA WMXU 2001216 Jan 20, 2019	ALS	22-Jan-19	11.58	12.25	12.16	2.88	10.83	<0.050	<0.25
22-Jan-19	L2223373-1	BURFA WMXU 2001200 Jan 21, 2019	ALS	23-Jan-19	11.65	12.32	12.14	2.87	10.86	<0.050	<0.25
22-Jan-19	L2223373-2	BURFA WMXU 2000966 Jan 21, 2019	ALS	23-Jan-19	11.63	12.27	12.2	2.87	11.5	<0.050	0.43
23-Jan-19	L2224058-1	BURFA WMXU 2000987 Jan 22, 2019	ALS	24-Jan-19	11.68	12.25	12.07	2.85	10.98	<0.050	<0.25
24-Jan-19	L2224585-1	BURFA WMXU 2000591 Jan 23, 2019	ALS	25-Jan-19	11.64	12.25	12.19	2.86	11.9	<0.050	1.28
24-Jan-19	L2224585-2	BURFA WMXU 2000185 Jan 23, 2019	ALS	25-Jan-19	11.64	12.34	12.18	2.86	10.59	<0.050	<0.25
25-Jan-19	L2225114-1	BURFA WMXU 2000539 Jan 24, 2019	ALS	28-Jan-19	11.63	12.33	12.18	2.87	11.26	<0.050	0.31
25-Jan-19	L2225114-2	BURFA WMXU 2001010 Jan 24, 2019	ALS	28-Jan-19	11.57	12.26	11.86	2.87	10.5	<0.050	<0.25
25-Jan-19	L2225114-3	BURFA WMXU 2000457 Jan 24, 2019	ALS	28-Jan-19	11.59	12.21	11.77	2.87	10.11	<0.050	<0.25
28-Jan-19	L2225634-1	BURFA WMXU 2000863 Jan 27, 2019	ALS	30-Jan-19	11.56	12.2	11.96	2.86	10.25	<0.050	<0.25
28-Jan-19	L2225634-2	BURFA WMXU 2000328 Jan 27, 2019	ALS	30-Jan-19	11.61	12.32	12.2	2.86	11.76	<0.050	1.48
29-Jan-19	L2226075-1	BURFA WMXU 2000890 Jan 29, 2019	ALS	30-Jan-19	11.55	12.2	12.03	2.86	10.29	<0.050	<0.25
29-Jan-19	L2226075-2	BURFA WMXU 2000354 Jan 29, 2019	ALS	30-Jan-19	11.56	12.13	11.7	2.86	10.32	<0.050	<0.25
30-Jan-19	L2226772-1	BURFA WMXU 6083 Jan 29, 2019	ALS	31-Jan-19	11.57	12.22	11.84	2.86	11.61	<0.050	0.59
30-Jan-19	L2226772-2	BURFA WMXU 2000333 Jan 29, 2019	ALS	31-Jan-19	11.56	12.28	12.09	2.86	11.13	<0.050	<0.25
31-Jan-19	L2227248-1	BURFA WMXU 2000077 Jan 30, 2019	ALS	1-Feb-19	11.64	12.07	11.78	2.89	9.37	0.054	<0.25
1-Feb-19	L2227746-1	BURFA WMXU 2000740 Jan 31, 2019	ALS	4-Feb-19	11.69	12.07	11.4	2.85	9.17	0.074	<0.25
1-Feb-19	L2227746-2	BURFA WMXU 2001073 Jan 31, 2019	ALS	4-Feb-19	11.7	12.14	11.62	2.85	10.14	<0.050	<0.25
7-Feb-19	L2229970-1	FA1901	ALS	13-Feb-19	11.57	12.19	11.8	2.85	10.32	<0.050	<0.25
5-Feb-19	L2228698-1	BURFA WMXU 2001181 Feb 4, 2019	ALS	6-Feb-19	11.62	12.28	12.2	2.87	11.58	<0.050	0.89
5-Feb-19	L2228698-2	BURFA WMXU 2000478 Feb 4, 2019	ALS	6-Feb-19	11.6	12.31	12.14	2.87	11.4	<0.050	0.35
6-Feb-19	L2229323-1	BURFA WMXU 2000858 Feb 5, 2019	ALS	7-Feb-19	11.61	12.24	12.04	2.85	11.42	<0.050	<0.25
8-Feb-19	L2230620-1	BURFA WMXU 2000734 Feb 7, 2019	ALS	11-Feb-19	11.59	12.27	12.05	2.85	11.91	<0.050	1.4
8-Feb-19	L2230620-2	BURFA WMXU 2000170 Feb 7, 2019	ALS	11-Feb-19	11.6	12.34	12.07	2.85	11.75	<0.050	0.8
11-Feb-19	L2231094-1	BURFA WMXU 2000413 Feb 10, 2019	ALS	12-Feb-19	11.7	12.09	11.72	2.85	10.19	<0.050	<0.25
12-Feb-19	L2231663-1	BURFA WMXU 2000293 Feb 11, 2019	ALS	13-Feb-19	11.59	12.29	12.03	2.84	11.59	<0.050	0.66
12-Feb-19	L2231663-2	BURFA WMXU 2000246 Feb 11, 2019	ALS	13-Feb-19	11.59	12.34	12.08	2.84	11.79	<0.050	1.27
14-Feb-19	L2232822-1	BURFA WMXU 2000523 Feb 13, 2019	ALS	15-Feb-19	11.66	12.15	12.09	2.92	11.23	<0.050	<0.25
14-Feb-19	L2232822-2	BURFA WMXU 2000821 Feb 13, 2019	ALS	15-Feb-19	11.66	12.2	12.14	2.92	11.81	<0.050	1.09
15-Feb-19	L2233486-1	BURFA WMXU 2000499 Feb 14, 2019	ALS	19-Feb-19	11.6	12.35	12.22	2.89	11.88	<0.050	1.55
15-Feb-19	L2233486-2	BURFA WMXU 2000122 Feb 14, 2019	ALS	19-Feb-19	11.59	12.35	12.3	2.89	12.01	<0.050	2.49
19-Feb-19	L2234053-1	BURFA WMXU 2001052 Feb 18, 2019	ALS	20-Feb-19	11.49	12.13	11.98	2.85	11.15	<0.050	<0.25
19-Feb-19	L2234053-2	BURFA WMXU 2001176 Feb 17, 2019	ALS	20-Feb-19	11.52	12.18	12.02	2.85	11.4	<0.050	<0.25
19-Feb-19	L2234053-3	BURFA WMXU 2000550 Feb 17, 2019	ALS	20-Feb-19	11.54	12.18	12	2.85	11.7	<0.050	0.55
20-Feb-19	L2234641-1	BURFA WMXU 2000673 Feb 19, 2019	ALS	21-Feb-19	11.57	12.22	11.75	2.87	11.07	<0.050	<0.25
20-Feb-19	L2234641-2	BURFA WMXU 2000605 Feb 19, 2019	ALS	21-Feb-19	11.52	12.13	11.7	2.87	11.28	<0.050	<0.25
21-Feb-19	L2235480-1	BURFA WMXU 2000420 Feb 20, 2019	ALS	25-Feb-19	11.62	12.15	11.75	2.85	11.8	<0.050	0.49
21-Feb-19	L2235480-2	BURFA WMXU 2000971 Feb 20, 2019	ALS	25-Feb-19	11.6	12.2	11.73	2.85	11.39	<0.050	<0.25
22-Feb-19	L2235906-1	BURFA WMXU 2000251 Feb 21, 2019	ALS	25-Feb-19	11.6	12.25	12.11	2.88	11.69	<0.050	0.37
22-Feb-19	L2235906-2	BURFA WMXU 2000816 Feb 21, 2019	ALS	25-Feb-19	11.63	12.32	12.24	2.86	12.03	<0.050	1.09
25-Feb-19	L2236458-1	BURFA WMXU 2001237 Feb 24, 2019	ALS	26-Feb-19	11.71	12.26	12.03	2.89	10.79	<0.050	1.48
25-Feb-19	L2236458-2	BURFA WMXU 2000040 Feb 24, 2019	ALS	26-Feb-19	11.75	12.16	11.66	2.89	11.33	<0.050	<0.25
26-Feb-19	L2237024-1	BURFA WMXU 2000101 Feb 25, 2019	ALS	27-Feb-19	11.62	12.3	12.16	2.9	11.67	<0.050	0.49
26-Feb-19	L2237024-2	BURFA WMXU 2000164 Feb 25, 2019	ALS	27-Feb-19	11.63	12.28	12.04	2.9	11.32	<0.050	<0.25
27-Feb-19	L2237679-1	BURFA WMXU 2000159 Feb 26, 2019	ALS	28-Feb-19	11.62	12.19	12.17	2.88	11.73	<0.050	0.75
27-Feb-19	L2237679-2	BURFA WMXU 2000924 Feb 26, 2019	ALS	28-Feb-19	11.62	12.24	12.19	2.88	11.98	<0.050	2.18
28-Feb-19	L2238205-1	BURFA WMXU 2001094 Feb 27, 2019	ALS	1-Mar-19	11.55	12.17	12.01	2.85	10.58	<0.050	<0.25
28-Feb-19	L2238205-2	BURFA WMXU 2000462 Feb 27, 2019	ALS	1-Mar-19	11.58	12.2	12.06	2.85	11.4	<0.050	<0.25
1-Mar-19	L2238890-1	BURFA WMXU 2001197 Feb 28, 2019	ALS	4-Mar-19	11.54	12.17	11.94	2.88	10.47	<0.050	<0.25
1-Mar-19	L2238890-2	BURFA WMXU 2000082 Feb 28, 2019	ALS	4-Mar-19	11.62	12.19	12.02	2.88	10.78	<0.050	<0.25
6-Mar-19	L2240752-1	FA1902	ALS	13-Mar-19	11.6	12.19	11.87	2.88	11.38	<0.050	<0.25
5-Mar-19	L2239948-1	BURFA WMXU 2000225 Mar 4, 2019	ALS	6-Mar-19	11.65	12.23	11.98	2.85	10.24	<0.050	<0.25
6-Mar-19	L2240751-1	BURFA WMXU 2000652 Mar 5, 2019	ALS	7-Mar-19	11.72	12.16	12.12	2.85	10.7	<0.050	<0.25
6-Mar-19	L2240751-2	BURFA WMXU 2000797 Mar 5, 2019	ALS	7-Mar-19	11.64	12.19	12.09	2.85	11.78	<0.050	1.02
7-Mar-19	L2241319-3	BURFA WMXU 2001160 Mar 6, 2019	ALS	8-Mar-19	11.68	12.23	12.11	2.86	12	<0.050	4.21
7-Mar-19	L2241319-4	BURFA WMXU 2000267 Mar 6, 2019	ALS	8-Mar-19	11.66	12.24	11.98	2.86	11.48	<0.050	0.42
8-Mar-19	L2241856-1	BURFA WMXU 2000098 Mar 7, 2019	ALS	11-Mar-19	11.57	12.24	12.1	2.88	12.07	<0.050	3.52

date sample sent to lab	lab sample number	Covanta Sample ID	name of lab	date of report	pH 2:1	TCLP					
						initial pH	pH after HCl	pH of leaching fluid	final pH	cadmium	lead
8-Mar-19	L2241856-2	BURFA WMXU 2001108 Mar 7, 2019	ALS	11-Mar-19	11.57	12.25	12.02	2.88	11.67	<0.050	0.95
11-Mar-19	L2242343-1	BURFA WMXU 2000360 Mar 10, 2019	ALS	12-Mar-19	11.59	12.28	12.08	2.85	11.8	<0.050	1.35
11-Mar-19	L2242343-2	BURFA WMXU 2000312 Mar 10, 2019	ALS	12-Mar-19	11.61	12.26	12.24	2.85	12.06	<0.050	4.62
12-Mar-19	L2242924-1	BURFA WMXU 2000 230 Mar 12, 2019	ALS	13-Mar-19	11.61	12.24	12.1	2.92	12.06	<0.050	3.01
12-Mar-19	L2242924-2	BURFA WMXU 2000 190 Mar 12, 2019	ALS	13-Mar-19	11.65	12.23	12.12	2.92	11.74	<0.050	0.65
13-Mar-19	L2243612-1	BURFA WMXU 2000647 Mar 13, 2019	ALS	14-Mar-19	11.57	12.26	12.14	2.88	11.34	<0.050	<0.25
13-Mar-19	L2243612-2	BURFA WMXU 2000842 Mar 13, 2019	ALS	14-Mar-19	11.58	12.26	12.13	2.88	11.18	<0.050	<0.25
14-Mar-19	L2244300-1	BURFA WMXU 2000781 Mar 13, 2019	ALS	15-Mar-19	11.72	12.22	12.02	2.92	10.69	<0.050	<0.25
14-Mar-19	L2244300-2	BURFA WMXU 2001031 Mar 13, 2019	ALS	15-Mar-19	11.77	12.26	12.15	2.92	11.78	<0.050	0.48
15-Mar-19	L2244880-1	BURFA WMXU 2001047 Mar 14, 2019	ALS	18-Mar-19	11.74	12.3	12.17	2.93	12.05	<0.050	2.7
15-Mar-19	L2244880-2	BURFA WMXU 2000138 Mar 14, 2019	ALS	18-Mar-19	11.75	12.31	12.14	2.93	11.65	<0.050	0.47
18-Mar-19	L2245446-1	BURFA WMXU 2000694 Mar 17, 2019	ALS	19-Mar-19	11.54	12.2	11.86	2.88	10.82	<0.050	<0.25
18-Mar-19	L2245446-2	BURFA WMXU 2000210 Mar 17, 2019	ALS	19-Mar-19	11.59	12.27	12.14	2.88	12.13	<0.050	3.58
19-Mar-19	L2245927	BURFA WMXU 2000837 Mar 18, 2019	ALS	20-Mar-19	11.58	12.3	12.19	2.88	11.89	<0.050	1.52
20-Mar-19	L2246882-1	BURFA WMXU 2000035 Mar 19, 2019	ALS	21-Mar-19	11.61	12.21	11.79	2.88	11.11	<0.050	<0.25
20-Mar-19	L2246882-2	BURFA WMXU 2000760 Mar 20, 2019	ALS	21-Mar-19	11.61	12.13	11.8	2.88	11.19	<0.050	<0.25
21-Mar-19	L2247429-1	BURFA WMXU 2000626 Mar 20, 2019	ALS	22-Mar-19	11.55	12.11	11.81	2.88	10.35	<0.050	<0.25
21-Mar-19	L2247429-2	BURFA WMXU 6129 Mar 20, 2019	ALS	22-Mar-19	11.6	12.2	11.82	2.88	10.46	<0.050	<0.25
22-Mar-19	L2248038-1	BURFA WMXU 2000544 Mar 21, 2019	ALS	25-Mar-19	11.61	12.06	11.83	2.88	10.17	<0.050	<0.25
22-Mar-19	L2248038-2	BURFA WMXU 2000441 Mar 21, 2019	ALS	25-Mar-19	11.62	12.2	12.06	2.88	10.8	<0.050	<0.25
25-Mar-19	L2248649-1	BURFA WMXU 2000689 Mar 24, 2019	ALS	26-Mar-19	11.58	12.23	12.07	2.83	11.31	<0.050	<0.25
25-Mar-19	L2248649-2	BURFA WMXU 2000293 Mar 24, 2019	ALS	26-Mar-19	11.55	12.22	11.98	2.83	10.8	<0.050	<0.25
26-Mar-19	L2249208-1	BURFA WMXU 2000800 Mar 25, 2019	ALS	27-Mar-19	11.57	12.11	11.59	2.87	9.73	<0.050	<0.25
27-Mar-19	L2249855-1	BURFA WMXU 2000966 Mar 26, 2019	ALS	28-Mar-19	11.63	12.15	11.97	2.87	11.5	<0.050	0.64
27-Mar-19	L2249855-2	BURFA WMXU 2000246 Mar 26, 2019	ALS	28-Mar-19	11.63	12.17	11.91	2.87	11.42	<0.050	0.26
28-Mar-19	L2250543-1	BURFA WMXU 2000333 Mar 27, 2019	ALS	29-Mar-19	11.73	12.25	12.09	2.84	11.03	<0.050	<0.25
28-Mar-19	L2250543-2	BURFA WMXU 2000523 Mar 27, 2019	ALS	29-Mar-19	11.71	12.23	12.05	2.84	11.09	<0.050	<0.25
29-Mar-19	L2251111-1	BURFA WMXU 2001216 Mar 28, 2019	ALS	1-Apr-19	11.65	12.25	11.85	2.87	10.36	<0.050	<0.25
1-Apr-19	L2251631-1	BURFA WMXU 2000668 Mar 31, 2019	ALS	2-Apr-19	11.56	12.09	11.68	2.85	10.53	<0.050	<0.25
1-Apr-19	L2251631-2	BURFA WMXU 2000565 Mar 31, 2019	ALS	2-Apr-19	11.58	12.04	11.74	2.85	10.09	<0.050	<0.25
4-Apr-19	L2253684	FA1903	ALS	11-Apr-19	11.47	12.18	11.89	11.15	2.86	<0.050	<0.25