

Fly Ash Quarterly Report

July 1, 2019 to September 30, 2019

The following quarterly fly ash report was sent to the Ministry of Environment and Climate Change Strategy on October 22, 2019.

Two fly ash load were reprocessed on site, one for cadmium content and one for lead content 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.

July 1, 2019 to September 30, 2019	
Number of loads tested	111
Number of samples submitted	114
Samples with leachable cadmium above the detection limit	6
Maximum leachable cadmium value (mg/L) of loads released for disposal	0.478
Samples with leachable lead above the detection limit	13
Maximum leachable lead value (mg/L) of loads released for disposal	4.69
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-Jul-19	L2302048-1	BURFAWMXU 2000734 Jul 1, 2019	ALS	3-Jul-19	11.63	12.33	12.12	2.89	11.34	<0.050	<0.25
2-Jul-19	L2302048-2	BURFAWMXU 2001094 Jul 1, 2019	ALS	3-Jul-19	11.68	12.33	11.91	2.89	10.8	<0.050	<0.25
3-Jul-19	L2302997-1	BURFA WMXU 2000035 Jul 2, 2019	ALS	4-Jul-19	11.58	12.16	11.47	2.92	10.32	<0.050	<0.25
3-Jul-19	L2302997-2	BURFA WMXU 2001108 Jul 2, 2019	ALS	4-Jul-19	11.56	12.2	11.52	2.92	10.22	<0.050	<0.25
5-Jul-19	L2305136-1	BURFA WMXU 2000945 Jul 4, 2019	ALS	8-Jul-19	11.73	12.24	11.49	2.92	9.9	<0.050	<0.25
5-Jul-19	L2305136-2	BURFA WMXU 2000483 Jul 4, 2019	ALS	8-Jul-19	11.68	12.31	11.78	2.92	10.27	<0.050	<0.25
8-Jul-19	L2305416-1	BURFA WMXU 2000544 Jul 7, 2019	ALS	9-Jul-19	11.51	12.32	12.02	2.89	10.98	<0.050	<0.25
8-Jul-19	L2305416-2	BURFA WMXU 2000312 Jul 7, 2019	ALS	9-Jul-19	11.48	12.16	11.95	2.89	10.51	<0.050	<0.25
4-Jul-19	L2304055-1	BURFA WMXU 2001052 Jul 3, 2019	ALS	7-Jul-19	11.55	12.16	11.56	2.88	9.98	<0.050	<0.25
9-Jul-19	L2306301-1	BURFA WMXU 2000159 Jul 8, 2019	ALS	10-Jul-19	11.6	12.33	11.84	2.9	10.52	<0.050	<0.25
9-Jul-19	L2306301-2	BURFA WMXU 2001200 Jul 8, 2019	ALS	10-Jul-19	11.61	12.34	11.83	2.9	10.58	<0.050	<0.25
10-Jul-19	L2307477-1	BURFA WMXU 2000689 Jul 9, 2019	ALS	12-Jul-19	11.6	12.3	11.78	2.87	10.27	<0.050	<0.25
10-Jul-19	L2307477-2	BURFA WMXU 2000185 Jul 9, 2019	ALS	12-Jul-19	11.61	12.19	11.68	2.87	10.38	<0.050	<0.25
11-Jul-19	L2308249-1	BURFA WMXU 2001068 Jul 10, 2019	ALS	12-Jul-19	11.35	12.22	11.66	2.93	9.64	<0.050	<0.25
11-Jul-19	L2308249-2	BURFA WMXU 2000101 Jul 10, 2019	ALS	12-Jul-19	11.48	12.16	11.8	2.93	10.32	<0.050	<0.25
12-Jul-19	L2309099-1	BURFA WMXU 2000578 Jul 11, 2019	ALS	15-Jul-19	11.51	12.21	11.7	2.93	10.2	<0.050	<0.25
12-Jul-19	L2309099-2	BURFA WMXU 2000420 Jul 11, 2019	ALS	15-Jul-19	11.47	12.22	11.86	2.93	10.6	<0.050	<0.25
15-Jul-19	L2309878-1	BURFA WMXU 2000190 Jul 14, 2019	ALS	16-Jul-19	11.57	12.34	11.89	2.84	11.66	<0.050	0.56
15-Jul-19	L2309878-2	BURFA WMXU 2000328 Jul 14, 2019	ALS	16-Jul-19	11.53	12.31	11.62	2.84	11.14	<0.050	<0.25
17-Jul-19	L2310649-1	BURFA WMXU 2000225 Jul 15, 2019	ALS	18-Jul-19	11.45	12.04	11.73	2.92	8.95	<0.050	<0.25
17-Jul-19	L2310649-2	BURFA WMXU 2000605 Jul 15, 2019	ALS	18-Jul-19	11.44	12.23	12.04	2.92	11.02	<0.050	<0.25
18-Jul-19	L2312632-1	BURFA WMXU 2001010 Jul 17, 2019	ALS	19-Jul-19	11.69	12.43	12.22	2.89	12.15	<0.050	2.1
17-Jul-19	L2311663-1	BURFA WMXU 2000924 Jul 16, 2019	ALS	19-Jul-19	11.56	12.18	12.04	2.89	11.42	<0.050	<0.25
17-Jul-19	L2311663-2	BURFA WMXU 2000966 Jul 16, 2019	ALS	19-Jul-19	11.53	12.19	11.91	2.89	11.67	<0.050	<0.25
19-Jul-19	L2313498-1	BURFA WMXU 2001113 Jul 18, 2019	ALS	22-Jul-19	11.49	12.28	12.03	2.88	11.91	<0.050	0.32
22-Jul-19	L2314269-1	BURFA WMXU 2001047 Jul 21, 2019	ALS	23-Jul-19	11.55	12.3	12.16	2.89	11.52	<0.050	0.31
22-Jul-19	L2314269-2	BURFA WMXU 2000077 Jul 21, 2019	ALS	23-Jul-19	11.51	12.32	12.24	2.89	12.03	<0.050	2.84
22-Jul-19	L2314269-3	BURFA WMXU 2000930 Jul 21, 2019	ALS	23-Jul-19	11.46	12.32	12.17	2.89	12	<0.050	2.31
25-Jul-19	L2317020-1	BURFA WMXU 2000837 Jul 24, 2019	ALS	26-Jul-19	11.56	12.26	12.05	2.9	11.43	<0.050	<0.25
25-Jul-19	L2317020-2	BURFA WMXU 2000230 Jul 24, 2019	ALS	26-Jul-19	11.52	12.28	12.18	2.9	12.17	<0.050	4.34
26-Jul-19	L2317909-2	BURFA WMXU 2000333 Jul 25, 2019	ALS	29-Jul-19	11.53	12.27	11.95	2.87	10.61	<0.050	<0.25
26-Jul-19	L2317909-3	BURFA WMXU 2000267 Jul 25, 2019	ALS	29-Jul-19	11.5	12.28	12.1	2.87	12.17	<0.050	4.69
29-Jul-19	L2318669-1	BURFA WMXU 2000210 Jul 28, 2019	ALS	30-Jul-19	11.63	12.15	11.69	2.89	9.68	<0.050	<0.25
29-Jul-19	L2318669-2	BURFA WMXU 2000246 Jul 28, 2019	ALS	30-Jul-19	11.6	12.13	11.57	2.89	9.77	<0.050	<0.25
30-Jul-19	L2319541-1	BURFA WMXU 2000565 Jul 29, 2019	ALS	31-Jul-19	11.54	11.98	11.34	2.88	8.11	<0.050	<0.25
30-Jul-19	L2319541-2	BURFA WMXU 2000293 Jul 29, 2019	ALS	31-Jul-19	11.57	12.17	11.71	2.88	9.75	<0.050	<0.25
1-Aug-19	L2321401-1	BURFA WMXU2000380 Jul 31, 2019	ALS	2-Aug-19	11.55	12.13	11.66	2.87	9.52	<0.050	<0.25
1-Aug-19	L2321401-2	BURFA WMXU2000035 Jul 31, 2019	ALS	2-Aug-19	11.56	12.24	11.87	2.87	10.25	<0.050	<0.25
31-Jul-19	L2320357-1	BURFA WMXU 2001129 Jul 30, 2019	ALS	2-Aug-19	11.14	12.06	11.42	2.88	8.84	0.062	<0.25
31-Jul-19	L2320357-2	BURFA WMXU 2000040 Jul 30, 2019	ALS	2-Aug-19	11.49	12.15	11.6	2.88	9.73	<0.050	<0.25
8-Aug-19	L2325492-1	FA1907	ALS	16-Aug-19	11.67	12.27	12.08	2.91	10.68	<0.050	<0.25
2-Aug-19	L2322106-1	BURFA WMXU 2000483 Aug 1, 2019	ALS	6-Aug-19	11.32	12.06	11.38	2.86	8.64	0.114	<0.25
2-Aug-19	L2322106-2	BURFA WMXU 2001197 Aug 1, 2019	ALS	6-Aug-19	11.41	12.23	12.13	2.86	11.82	<0.050	0.67
6-Aug-19	L2323046-1	BURFA WMXU 2000101 Aug 5, 2019	ALS	7-Aug-19	11.49	12.16	11.76	2.85	11.04	<0.050	<0.25
6-Aug-19	L2323046-2	BURFA WMXU 2000924 Aug 5, 2019	ALS	7-Aug-19	11.48	12.32	12.16	2.85	11.8	<0.050	0.64
6-Aug-19	L2323047-1	BURFA WMXU 2001113 Aug 4, 2019	ALS	7-Aug-19	11.45	12.04	11.76	2.85	10.8	<0.050	<0.25
6-Aug-19	L2323047-2	BURFA WMXU 2000420 Aug 4, 2019	ALS	7-Aug-19	11.45	12.15	12.21	2.85	10.8	<0.050	<0.25
8-Aug-19	L2325210-1	BURFA WMXU 2000077 Aug 7, 2019	ALS	9-Aug-19	11.56	12.2	11.75	2.89	10.23	<0.050	<0.25
8-Aug-19	L2325210-2	BURFA WMXU 2000499 Aug 7, 2019	ALS	9-Aug-19	11.59	12.18	11.66	2.89	10.12	<0.050	<0.25
9-Aug-19	L2325967-1	BURFA WMXU 2000734 Aug 8, 2019	ALS	12-Aug-19	11.43	12.02	11.39	2.9	10.08	<0.050	<0.25
9-Aug-19	L2325967-2	BURFA WMXU 2000879 Aug 8, 2019	ALS	12-Aug-19	11.44	12.15	11.99	2.9	11.47	<0.050	<0.25
12-Aug-19	L2326787-1	BURFAWMXU2000626 Aug 11, 2019	ALS	13-Aug-19	11.48	12.09	11.45	2.91	10.71	<0.050	<0.25
12-Aug-19	L2326787-2	BURFAWMXU2000740 Aug 11, 2019	ALS	13-Aug-19	11.43	12.19	11.57	2.91	10.53	<0.050	<0.25
13-Aug-19	L2327570-1	BURFA WMXU 2000863 Aug 12, 2019	ALS	14-Aug-19	11.46	12.09	11.61	2.9	9.36	<0.050	<0.25
13-Aug-19	L2327570-2	BURFA WMXU 2000225 Aug 12, 2019	ALS	14-Aug-19	11.44	12.06	11.58	2.9	9.42	<0.050	<0.25
14-Aug-19	L2328790-1	BURFA WMXU 2006387 Aug 13, 2019	ALS	15-Aug-19	11.54	12.38	12.08	2.88	11.75	<0.050	0.48
15-Aug-19	L2329696-1	BURFA WMXU 2000930 Aug 14, 2019	ALS	16-Aug-19	11.46	12.27	12.06	2.92	10.71	<0.050	<0.25
15-Aug-19	L2329696-2	BURFA WMXU 2001073 Aug 14, 2019	ALS	16-Aug-19	11.48	12.24	12.06	2.92	9.17	0.059	<0.25
16-Aug-19	L2330449-1	BURFA WMXU 2000466 Aug 15, 2019	ALS	19-Aug-19	11.4	12.3	11.84	2.9	10.57	<0.050	<0.25
16-Aug-19	L2330449-2	BURFA WMXU 6002 Aug 15, 2019	ALS	19-Aug-19	11.42	12.29	11.78	2.9	10.83	<0.050	<0.25
19-Aug-19	L2331253-1	BURFA WMXU 2000190 Aug 18, 2019	ALS	20-Aug-19	11.49	12.19	11.61	2.88	10.03	<0.050	<0.25
19-Aug-19	L2331253-2	BURFA WMXU 2000164 Aug 18, 2019	ALS	20-Aug-19	11.46	12.21	11.68	2.88	10.59	<0.050	<0.25
20-Aug-19	L2332034-1	BURFA WMXU 2001010 Aug 19, 2019	ALS	21-Aug-19	11.44	12.08	11.82	2.92	9.34	<0.050	<0.25
20-Aug-19	L2332034-2	BURFA WMXU 2000776 Aug 19, 2019	ALS	21-Aug-19	11.46	12.15	11.86	2.92	10.12	<0.050	<0.25
21-Aug-19	L2333141-1	BURFA WMXU 2000903 Aug 20, 2019	ALS	22-Aug-19	11.61	12.3	12.11	2.88	11.18	<0.050	<0.25
21-Aug-19	L2333141-2	BURFA WMXU 2001200 Aug 20, 2019	ALS	22-Aug-19	11.59	12.19	11.89	2.88	10.23	<0.050	<0.25
22-Aug-19	L2334062-1	BURFA WMXU 2001197 Aug 21, 2019	ALS	23-Aug-19	11.49	12.25	12.08	2.89	11.5	<0.050	<0.25
22-Aug-19	L2334062-2	BURFA WMXU 2000673 Aug 21, 2019	ALS	23-Aug-19	11.45	12.22	12.16	2.89	11.5	<0.050	<0.25
23-Aug-19	L2334970-1	BURFA WMXU 2000040 Aug 22, 2019	ALS	26-Aug-19	11.53	12.33	12.26	2.88	10.81	<0.050	<0.25
23-Aug-19	L2334970-2	BURFA WMXU 2000272 Aug 22, 2019	ALS	26-Aug-19	11.48	12.24	12.08	2.88	10.24	<0.050	<0.25
26-Aug-19	L2335778-1	BURFA WMXU 2000992 Aug 25, 2019	ALS	27-Aug-19	11.48	11.98	11.91	2.9	9.96	<0.050	<0.25
26-Aug-19	L2335778-2	BURFA WMXU 2001237 Aug 25, 2019	ALS	27-Aug-19	11.51	12.09	12.07	2.9	10.13	<0.050	<0.25
27-Aug-19	L2336471-1	BURFA WMXU 2000945 Aug 26, 2019	ALS	28-Aug-19	11.43	12.22	11.46	2.9	10.73	<0.050	<0.25
27-Aug-19	L2336471-2	BURFA WMXU 2000035 Aug 26, 2019	ALS	28-Aug-19	11.42	12.07	11.89	2.9	10.34	<0.050	<0.25
28-Aug-19	L2337665-1	BURFA WMXU 2000523 Aug 27, 2019	ALS	29-Aug-19	11.42	12.26	12.05	2.91	9.84	<0.050	<0.25
28-Aug-19	L2337665-2	BURFA WMXU 2000185 Aug 27, 2019	ALS	29-Aug-19	11.4	12.2	11.96	2.91	9.97	<0.050	<0.25
29-Aug-19	L2338340-1	BURFA WMXU 2001242 Aug 28, 2019	ALS	30-Aug-19	11.53	12.38	12.24	2.88	12.24	<0.050	1.68
30-Aug-19	L2339287-1	BURFAWMXU 2001062 Aug 29, 2019	ALS	3-Sep-19	11.51	12.18	11.97	2.91	10.15	<0.050	<0.25
30-Aug-19	L2339287-2	BURFAWMXU 2000652 Aug 29, 2019	ALS	3-Sep-19	11.47	12.11	11.82	2.91	10.12	<0.050	<0.25
8-Aug-19	L2342799-1	FA1908	ALS	16-Aug-19	11.64	12.1	11.89	2.9	10.4	<0.050	<0.25
3-Sep-19	L2340090-1	BURFA WMXU 2000781 Sep 1, 2019	ALS	4-Sep-19	11.49	12.4	11.86	2.93	9.59	<0.050	<0.25
3-Sep-19	L2340093-1	BURFA WMXU 2000689 Sep 2, 2019	ALS	4-Sep-19	11.46	12.45	12	2.93	9.8	<0.050	<0.25
3-Sep-19	L2340093-2	BURFA WMXU 2000441 Sep 2, 2019	ALS	4-Sep-19	11.44	12.42	11.75	2.93	9.86	<0.050	<0.25
4-Sep-19	L2341229-1	BURFA WMXU 2000966 Sep 2, 2019	ALS	5-Sep-19	11.44	12.15	11.28	2.9	9.88	<0.050	<0.25

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
4-Sep-19	L2341229-2	BURFA WMXU 2001113 Sep 2, 2019	ALS	5-Sep-19	11.42	12.01	11.32	2.9	9.86	<0.050	<0.25
5-Sep-19	L2341931-1	BURFA WMXU 2000694 Sep 4, 2019	ALS	6-Sep-19	11.44	12.27	11.81	2.93	10.3	<0.050	<0.25
5-Sep-19	L2341931-2	BURFA WMXU 2000375 Sep 4, 2019	ALS	6-Sep-19	11.42	12.22	11.73	2.93	9.56	<0.050	<0.25
6-Sep-19	L2342798-1	BURFA WMXU 2000462 Sep 5, 2019	ALS	9-Sep-19	11.67	12.1	11.65	2.92	9.29	<0.050	<0.25
9-Sep-19	L2343618-1	BURFA WMXU 2000971 Sep 8, 2019	ALS	10-Sep-19	11.71	12.21	11.69	2.9	10.17	<0.050	<0.25
9-Sep-19	L2343618-2	BURFA WMXU 2000842 Sep 8, 2019	ALS	10-Sep-19	11.7	12.13	11.47	2.9	9.52	<0.050	<0.25
10-Sep-19	L2344493-1	BURFAWMXU 2000550 Sep 9, 2019	ALS	11-Sep-19	11.61	12.01	10.98	2.91	9.05	<0.050	<0.25
10-Sep-19	L2344493-2	BURFAWMXU 2000251 Sep 9, 2019	ALS	11-Sep-19	11.62	12.12	11.38	2.91	9.95	<0.050	<0.25
11-Sep-19	L2345279-1	BURFA WMXU 2000565 Sep 10, 2019	ALS	12-Sep-19	11.65	12.37	12.16	2.92	11.36	<0.050	<0.25
11-Sep-19	L2345279-2	BURFA WMXU 2000647 Sep 10, 2019	ALS	12-Sep-19	11.64	12.32	11.83	2.92	10.24	<0.050	<0.25
12-Sep-19	L2346330-1	BURFAWMXU 2001176 Sep 11, 2019	ALS	13-Sep-19	11.62	12.1	11.53	2.91	9.8	<0.050	<0.25
13-Sep-19	L2347048-1	BURFA WMXU 2000143 Sep 12, 2019	ALS	16-Sep-19	11.77	12.18	11.74	2.9	9.89	<0.050	<0.25
16-Sep-19	L2347855-1	BURFA WMXU 2000307 Sep 15, 2019	ALS	17-Sep-19	11.68	12.13	11.67	2.88	10.13	<0.050	<0.25
16-Sep-19	L2347855-2	BURFA WMXU 2000837 Sep 15, 2019	ALS	17-Sep-19	11.65	12.18	11.84	2.88	10.32	<0.050	<0.25
17-Sep-19	L2348835-1	BURFA WMXU 2001221 Sep 16, 2019	ALS	18-Sep-19	11.67	12.17	11.91	2.91	10.17	<0.050	<0.25
18-Sep-19	L2349755-1	BURFA WMXU 2000890 Sep 17, 2019	ALS	19-Sep-19	11.61	11.93	11.2	2.9	9.47	<0.050	<0.25
19-Sep-19	L2350466-1	BURFA WMXU 2000288 Sep 18, 2019	ALS	20-Sep-19	11.72	12.15	12.03	2.88	10.71	<0.050	<0.25
20-Sep-19	L2351426-1	BURFA WMXU 2000164 Sep 19, 2019	ALS	23-Sep-19	11.54	12.17	12.09	2.88	10.97	<0.050	<0.25
23-Sep-19	L2352118-1	BURFA WMXU 2000478 Sep 19, 2019	ALS	25-Sep-19	11.2	12.34	11.83	2.9	10.94	<0.050	<0.25
26-Sep-19	L2354842-1	BURFA WMXU 2001010 Sep 25, 2019	ALS	27-Sep-19	11.7	12.19	11.27	2.9	8.81	<0.050	<0.25
26-Sep-19	L2354842-2	BURFA WMXU 2000117 Sep 25, 2019	ALS	27-Sep-19	11.74	12.21	11.47	2.9	9.82	<0.050	<0.25
26-Sep-19	L2354842-3	BURFA WMXU 2000225 Sep 25, 2019	ALS	27-Sep-19	11.65	12.2	11.38	2.9	9.62	<0.050	<0.25
27-Sep-19	L2355684-1	BURFA WMXU 2000760 Sep 26, 2019	ALS	30-Sep-19	11.2	11.95	10.51	2.85	8.73	0.221	<0.25
27-Sep-19	L2355684-2	BURFA WMXU 2000919 Sep 26, 2019	ALS	30-Sep-19	10.54	11.76	10.5	2.85	7.23	0.478	<0.25
30-Sep-19	L2356472-1	BURFA WMXU 2000800 Sep 29, 2019	ALS	1-Oct-19	11.68	12.26	11.78	2.84	9.55	<0.050	<0.25
30-Sep-19	L2356472-2	BURFA WMXU 2001134 Sep 29, 2019	ALS	1-Oct-19	11.72	12.28	11.72	2.84	10.19	<0.050	<0.25
1-Oct-19	L2357315-1	BURFA WMXU 2000776 Sep 30, 2019	ALS	2-Oct-19	11.12	11.86	11	2.87	8.89	<0.050	<0.25
8-Oct-19	L2361763-1	FA1909	ALS	16-Oct-19	11.68	12.02	11.18	2.82	9.3	<0.050	<0.25