

Monthly Operating Reports

October 2019

The following October 2019 operating report was sent to the Ministry of Environment and Climate Change Strategy on November 29, 2019.



Unit 3

Duration in Hours	Reason	Date
58.77	Annual minor outage	October 1-3
0.23	Induced draft fan trip	October 5
0.42	BC Hydro power outage	October 7
0.15	Induced draft fan trip	October 9
3.27	Fabric filter baghouse plugged	October 12
0.23	BC Hydro power outage	October 14
1.00	Feed chute plugged	October 21
2.58	Poor refuse quality	October 21

5. Facility Bypass and Emergency/spill Event Report

Date/Time	Cause	Duration
	Action Taken	

6. Other Data

		UNIT 1	UNIT 2	UNIT 3
Waste Received	tonnes/day	19,525		
Waste Processed	tonnes/day	267	120	236
Maximum Waste Processed	tonnes/day	282	246	271
		Units 1, 2, and 3		
Natural Gas Consumed	m ³ /day	4,782		
	m ³ /month	148,227		
Fly ash disposed	tonnes	806		
Bottom ash disposed	tonnes	3,117		

7. Complaints and Responses

Date/Time	Complaint	Action Taken

October 2019 - Monthly CEMS Data

Date	Boiler #1								Boiler #2								Boiler #3							
	Stack Temp	O ₂ (%)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	THC (mg/m ³)	Opacity (%)	Furnace Temp	Stack Temp	O ₂ (%)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	THC (mg/m ³)	Opacity (%)	Furnace Temp	Stack Temp	O ₂ (%)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	THC (mg/m ³)	Opacity (%)	Furnace Temp
10/1/19	149	9.8	117.9	127.7	21.6	0.25	0.60	917	157	9.2	90	130.3	22	0.03	1.26	924								
10/2/19	150	10	102.9	131.4	24.3	0.24	0.60	913	157	8.9	64.3	129.8	20.1	0.10	0.99	937								
10/3/19	149	10.1	129	129	23.1	0.21	0.52	912	158	8.9	90.3	131.3	23.9	0.04	0.85	936								
10/4/19	150	9.7	115.2	129.1	20.7	0.22	0.51	928	158	9.2	82	130	16	0.06	1.03	938	143	9.6	111.8	155.5	42	0.44	1.29	878
10/5/19	153	9.5	99.2	127.9	14.9	0.23	0.53	930	158	9.3	72.7	129.2	16.4	0.07	1.10	931	144	10.3	111.2	158.5	35.5	0.40	1.28	882
10/6/19	153	9.6	77.3	130	17.9	0.26	0.54	930	158	9.6	69.2	130.9	17.8	0.08	1.30	929	146	10	119.5	141.3	37.4	0.34	1.32	910
10/7/19	153	9.7	82.3	127.9	23.5	0.29	0.54	922	158	9.7	42.1	129	23.8	0.07	1.11	909	144	9.7	86.1	137	30	0.36	1.27	906
10/8/19	154	9.8	82.5	131	18.3	0.28	0.52	922	154	9.9	48	127.7	22.7	0.07	1.13	899	143	9.8	85.2	133.8	29.1	0.26	1.30	913
10/9/19	152	9.8	99	129.9	22.6	0.20	0.60	936	153	9.9	48.4	129	23.2	0.11	1.94	916	144	10.1	96.4	135	32.3	0.38	1.44	915
10/10/19	152	9.9	100.5	129.9	34.6	0.24	0.61	923	155	10	78.3	131.2	25.3	0.08	1.69	913	145	10.2	105.2	142.3	36.9	0.34	1.51	926
10/11/19	153	9.9	84.3	126.6	34.2	0.31	0.61	936	153	9.6	60.8	127.7	23	0.15	1.19	924	146	10	93.3	133.2	37.3	0.33	1.43	935
10/12/19	156	9.8	99.6	129.2	17.7	0.29	0.53	929	155	9.7	82.5	130	20	0.05	1.91	919	145	9.6	104.6	134.7	27.1	0.36	1.44	933
10/13/19	155	10	109.1	129.8	21.5	0.32	0.46	920	157	9.3	89.8	129.5	19.9	0.08	1.98	913	149	9.7	111.6	132	30.2	0.31	1.40	918
10/14/19	154	9.7	114	126.4	23.6	0.25	0.49	932	155	9.3	106.6	130.9	23.2	0.13	2.45	908	146	9.5	122.7	132.9	28.4	0.29	1.43	938
10/15/19	153	9.5	93.8	125.5	27.4	0.26	0.48	931									147	9.6	102.3	132	33.1	0.37	1.43	923
10/16/19	151	9.4	112.6	123.9	26.6	0.21	0.50	942									147	9	109	131.4	32.2	0.30	1.40	943
10/17/19	152	9.3	94	124.2	30.7	0.23	0.46	934									146	8.9	79.8	131.6	30.6	0.33	1.39	939
10/18/19	153	9.6	91.9	125.4	28	0.26	0.45	926									147	9.2	98.9	131.6	28	0.30	1.42	925
10/19/19	152	9.9	91.9	126.6	22.8	0.22	0.47	937									147	9.1	94.1	131.5	25.9	0.29	1.47	936
10/20/19	152	10.1	175.7	127.2	21.1	0.30	0.43	920									148	9.4	190.2	129.4	24.4	0.26	1.60	923
10/21/19	151	10.4	115.7	120.6	14.6	0.29	0.47	936									148	10	105.5	128.6	23.4	0.33	1.51	909
10/22/19	155	10.4	58.4	129.1	24.6	0.26	0.50	909									150	10	82	134.5	36.7	0.40	1.39	887
10/23/19	153	10.2	85.8	128.5	26.5	0.29	0.52	921									149	10.1	94.7	133	32.9	0.28	1.42	884
10/24/19	154	10.2	59.4	127.7	29.6	0.37	0.52	920									148	9.7	85	132	31.8	0.35	1.34	905
10/25/19	153	10.1	72.4	127.5	27.1	0.25	0.45	933									147	9.7	74.6	131.1	31.7	0.30	1.30	909
10/26/19	154	10.3	79.2	128.4	21.8	0.37	0.49	954									148	9.8	91.5	133.3	28.2	0.28	1.43	927
10/27/19	155	10.5	67.8	130.1	21.4	0.28	0.57	935									148	9.5	82.3	135.3	28.4	0.23	1.46	917
10/28/19	155	10.1	118.1	126.5	21.8	0.69	0.55	942									147	9.8	126.5	133.7	26.7	0.30	1.50	915
10/29/19	153	9.9	63.3	125	24.7	0.33	0.56	947	152	9.1	74.8	129.5	16.8	0.07	1.33	875	150	9.8	73.8	133	26.8	0.28	1.73	929
10/30/19	154	10.2	86.9	126.9	25	0.33	0.57	931									150	9.8	96.3	141.1	25.2	0.27	1.67	932
10/31/19	155	10.1	54.1	124.9	27.6	0.28	0.57	941	150	9.2	96.2	131.2	26.9	0.02	0.76	896	150	9.6	78.7	136.7	27.4	0.25	1.14	926
Average	152.8	9.9	94.6	127.5	23.9	0.28	0.52	929.3	155.5	9.4	74.8	129.8	21.3	0.08	1.38	916.7	146.9	9.7	100.5	135.6	30.7	0.32	1.42	917.3
Min	149.0	9.3	54.1	120.6	14.6	0.20	0.43	909.0	150.0	8.9	42.1	127.7	16.0	0.02	0.76	875.0	143.0	8.9	73.8	128.6	23.4	0.23	1.14	878.0
Max	156.0	10.5	175.7	131.4	34.6	0.69	0.61	954.0	158.0	10.0	106.6	131.3	26.9	0.15	2.45	938.0	150.0	10.3	190.2	158.5	42.0	0.44	1.73	943.0
St Dev	1.79	0.30	24.68	2.36	4.80	0.09	0.05	10.45	2.53	0.35	18.47	1.14	3.29	0.03	0.48	17.03	2.10	0.35	22.74	6.90	4.55	0.05	0.12	17.75

Blank days have less than 18 hours of valid data due to unit shut downs.
 According to standard guidelines used by Metro Vancouver Air Quality Policy and Environment Division, a minimum of 18 hours of valid data is required to generate a valid 24hr average.