

Monthly Operating Reports

December 2019

The following December 2019 operating report was sent to the Ministry of Environment and Climate Change Strategy on February 10, 2020.

Unit 2

Duration in Hours	Reason	Date
0.45	BC Hydro power outage	December 9
0.33	Low drum level trip	December 13
1.92	Fabric filter bag change	December 17
0.57	BC Hydro power outage	December 21

Unit 3

Duration in Hours	Reason	Date
0.52	BC Hydro power outage	December 9
0.77	Fabric filter bag change	December 16
0.48	BC Hydro power outage	December 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	24,776		
Waste Processed	tonnes/day	270	268	269
Maximum Waste Processed	tonnes/day	280	276	277
		Units 1, 2, and 3		
Natural Gas Consumed	m ³ /day	1,119		
	m ³ /month	34,684		
Fly ash disposed	tonnes	879		
Bottom ash disposed	tonnes	4,015		

7. Complaints and Responses

Date/Time	Complaint	Action Taken

December 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
12/1/19	153	10.1	42.4	128.9	32.3	0.16	0.87	954	150	9.4	65.8	129.9	27.1	0.01	1.55	967	146	9.6	60.4	131.9	33.1	0.22	1.24	959
12/2/19	151	9.5	30.9	127.1	31.4	0.14	0.77	948	150	9.2	50.2	129.7	31.6	0.06	1.23	961	147	9.9	40.3	130.2	35.2	0.27	1.15	922
12/3/19	153	9.4	49.2	127.2	28.7	0.12	0.70	962	152	8.9	68	127.6	31.6	0.01	0.63	971	146	9.3	57.4	129.5	34.6	0.20	1.07	951
12/4/19	155	9.7	57.9	127.3	28.1	0.15	0.71	938	154	9.4	72.8	130	36.9	0.04	0.70	940	149	9.4	53.7	129.8	34	0.20	0.94	947
12/5/19	153	9.7	39.1	127.4	28.6	0.15	0.79	947	152	9.2	62.2	129	33.1	0.06	1.01	952	148	9.6	48.2	131.2	35.5	0.22	1.05	932
12/6/19	154	9.6	37.6	125.9	24.4	0.09	0.74	964	151	9	65.6	128.2	33.5	0.06	0.62	965	148	9.7	54	133.5	33.5	0.25	0.95	956
12/7/19	155	9.1	48.6	126.2	29.2	0.12	0.72	973	153	9	56.2	128.2	37.9	0.05	0.53	955	149	9.5	61.3	130.3	33	0.25	0.81	950
12/8/19	155	9.3	41.7	123.5	27.9	0.16	0.74	961	153	8.9	49.9	127.8	36.6	0.03	0.59	962	148	9.4	59.3	130.6	33.6	0.26	0.84	961
12/9/19	153	9.5	19.9	123.3	28.7	0.11	0.74	947	152	9.2	38.1	127.5	38.1	0.09	0.90	957	149	9.6	43.7	130.5	34.9	0.21	1.00	950
12/10/19	154	9.9	25.8	128.9	25.8	0.10	0.77	936	150	9.3	38.3	128.8	39	0.03	0.89	948	147	9.7	47.7	130.1	33.6	0.21	1.15	940
12/11/19	153	9.6	26.4	129.6	27.9	0.20	0.72	944	150	9	48.8	129.9	35.5	0.07	0.22	960	148	9.5	59.1	132.1	32.2	0.27	1.34	947
12/12/19	153	9.7	13.2	132.1	31.4	2.09	0.56	942	150	8.8	36.2	129	35.1	0.03	0.71	950	148	9.4	55.8	130.1	35.7	0.26	1.43	952
12/13/19	152	9.5	26.1	127.1	28.7	0.21	0.52	946	152	9.1	34.8	129.7	37.9	0.07	1.92	930	147	9.6	46.7	130.6	37	0.24	1.32	920
12/14/19	151	9.4	29.7	127.7	29.2	0.20	0.56	952	152	9	48.2	130.2	43.2	0.03	0.34	933	146	9.3	49.2	129.4	35.6	0.29	1.36	933
12/15/19	151	9.5	58.8	126.7	29	0.14	0.63	945	152	9.2	78.7	130.6	41.6	0.08	0.54	931	145	9.1	78.2	129.3	33.5	0.27	1.52	950
12/16/19	153	9.7	90.2	127.7	24.8	0.22	0.61	941	154	9.2	90.5	128.6	37.3	0.08	0.62	935	145	9.3	101.8	129.8	35.2	0.37	1.61	947
12/17/19	154	9.5	27.3	127	28	0.17	0.61	932	152	9	40.6	130.2	40.1	0.06	0.29	926	146	9.4	45.8	131.4	39	0.37	1.49	919
12/18/19	154	9.5	33.3	128.1	31	0.12	0.57	932	152	8.8	36.5	129.1	39	0.08	0.20	939	146	9.3	52.3	128.6	37.1	0.30	1.27	924
12/19/19	154	9.5	27.3	128.3	29.7	0.16	0.55	927	153	8.7	38.2	130.2	38.4	0.08	0.35	934	147	9.3	47.8	132	39.2	0.37	1.30	929
12/20/19	153	9.5	33	126.7	29.9	0.25	0.54	928	153	8.7	38.9	129.5	36.2	0.06	0.24	941	146	9.2	49.3	129.1	37	0.24	0.94	929
12/21/19	155	9.5	30.3	128.1	25.3	0.14	0.55	924	155	8.8	41.4	129.6	28.5	0.01	0.41	930	149	9.2	53.4	130.3	37.8	0.35	1.06	921
12/22/19	153	9.6	36.4	127.3	27.6	0.15	0.60	927	155	8.7	47.5	129.6	27.7	0.03	0.33	938	149	9.4	61.5	129.9	35.8	0.29	1.10	926
12/23/19	153	9.6	28.6	128.7	25.5	0.18	0.63	930	153	8.6	34.1	129.7	26.9	0.03	0.36	943	147	9.5	48.1	130.8	37.3	0.44	1.14	935
12/24/19	153	9.3	29.7	129.3	28.7	0.17	0.62	935	153	8.5	39.3	130.3	29.6	0.04	0.34	946	146	9.3	40.8	129.9	35.4	0.26	1.09	914
12/25/19	152	9.4	40.4	129	25	0.17	0.64	940	151	8.6	50.6	128.6	25.8	0.02	1.01	963	144	9.2	43.9	128.3	38.5	0.24	1.05	933
12/26/19	154	9.5	60.1	127	26.3	0.14	0.67	935	154	8.8	78.9	129.1	31.4	0.08	1.98	939	149	9.3	86.1	129.3	38.4	0.30	1.48	912
12/27/19	153	9.3	24.5	127.4	25.4	0.17	0.69	937	155	8.7	28	129.4	28.9	0.02	1.57	961	149	9.3	46	131.2	37.3	0.42	1.18	929
12/28/19	153	9.4	17.8	126.6	27.8	0.21	0.65	940	153	8.7	19	129.4	30	0.08	1.24	963	149	9.3	40.3	130.4	34.2	0.31	1.09	953
12/29/19	152	9.3	21.9	125.6	29.5	0.22	0.62	939	155	8.7	23.7	128.7	30.4	0.01	1.07	951	148	9.1	37.2	130.5	35	0.30	1.12	955
12/30/19	151	9.3	18.5	124.8	26	0.14	0.61	944	152	8.9	19.6	127.8	33.8	0.04	1.13	941	147	9.7	31.5	131.2	37.7	0.28	1.18	936
12/31/19	151	9.4	13.6	127	31.7	0.21	0.67	925	153	9.1	16.8	129.9	36.9	0.13	1.06	929	147	9.5	26.9	128.4	40.9	0.30	1.27	919
Average	153.0	9.5	34.8	127.3	28.2	0.22	0.66	941.8	152.5	8.9	47.0	129.2	34.2	0.05	0.79	947.1	147.3	9.4	52.5	130.3	35.8	0.28	1.18	937.1
Min	151.0	9.1	13.2	123.3	24.4	0.09	0.52	924.0	150.0	8.5	16.8	127.5	25.8	0.01	0.20	926.0	144.0	9.1	26.9	128.3	32.2	0.20	0.81	912.0
Max	155.0	10.1	90.2	132.1	32.3	2.09	0.87	973.0	155.0	9.4	90.5	130.6	43.2	0.13	1.98	971.0	149.0	9.9	101.8	133.5	40.9	0.44	1.61	961.0
St Dev	1.22	0.19	16.14	1.72	2.18	0.35	0.09	12.06	1.55	0.25	18.61	0.86	4.71	0.03	0.49	13.25	1.41	0.19	14.96	1.15	2.13	0.06	0.20	14.55

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.