

Monthly Operating Reports

November 2019

The following November 2019 operating report was sent to the Ministry of Environment and Climate Change Strategy on December 20, 2019.

November 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
11/1/19	155	9.8	62.1	120	38	0.26	0.59	942	148	9	98.6	128.7	25.4	0.06	0.83	929	149	9.7	74.4	136.9	31.7	0.35	1.12	940
11/2/19	152	9.5	62.4	126.1	29.1	0.27	0.62	930	149	9.3	131.7	129.3	28.4	0.04	0.78	938	149	9.5	82.5	141.8	31.2	0.30	1.12	942
11/3/19	152	9.7	127.3	124.9	23.8	0.28	0.59	917	147	9.3	177.9	129.7	22.2	0.08	0.69	923	148	9.7	126.8	145.7	24.3	0.25	1.21	903
11/4/19	151	9.6	66.1	127.5	18.6	0.21	0.59	952	149	9.2	103.7	130.1	23.5	0.03	0.71	949	147	10	79.1	136.2	25.9	0.28	1.15	928
11/5/19	153	10	60.5	127.2	22.4	0.20	0.49	944	147	9.2	85.8	127.6	28	0.06	0.51	951	146	9.9	70.3	150.1	27.6	0.29	1.00	948
11/6/19	153	9.9	60.9	127.7	22.3	0.20	0.55	941	149	9.1	105.2	129.1	26.5	0.10	0.80	957	147	9.8	73.4	135.6	28.7	0.25	1.11	942
11/7/19	153	10	57.9	127.4	20	0.22	0.58	939	148	9.4	100.2	130.4	30.1	0.03	0.78	948	146	9.7	76.1	137.7	29.3	0.43	1.02	945
11/8/19	153	9.9	87.4	127.8	29.7	0.19	0.58	954	150	9.6	142.1	130.4	39.3	0.03	0.73	939	148	9.9	114.3	135	35.8	0.35	0.96	942
11/9/19	152	9.6	67.3	126.1	28.1	0.20	0.51	973	151	9.3	86.9	131.3	40.2	0.08	0.67	958	148	9.6	82.6	134.3	33.1	0.31	0.95	930
11/10/19	153	9.4	65.1	126.4	20.8	0.16	0.44	975	152	9	84.5	128.6	37.2	0.02	0.79	952	148	8.9	89.4	131.3	27.9	0.26	0.83	953
11/11/19	154	9.5	46.5	127.6	18.5	0.23	0.47	953	151	9	64.6	130.5	31.4	0.02	0.89	943	148	9.3	68.1	134.2	26.6	0.26	0.93	945
11/12/19	152	9.8	44.6	127.1	19	0.20	0.45	944	150	9.3	71	129.9	22.2	0.03	1.07	950	146	9.3	66.6	136.3	22.2	0.27	0.85	956
11/13/19	153	9.8	56.7	126.8	23.4	0.37	0.44	935	151	9.1	73.8	128.8	29.7	0.32	1.38	956	145	9.5	72.6	132.6	27.1	0.26	0.82	936
11/14/19	155	9.7	53.1	127.6	28.8	0.14	0.50	947	151	8.9	84.8	128.2	28.9	0.07	1.50	960	147	9.2	61.3	132.2	28.7	0.19	0.89	951
11/15/19	153	9.7	46.2	126.9	26.8	0.15	0.49	933	151	9.1	62.8	128.4	27.4	0.03	1.97	946	146	9.4	59.7	132.4	36.5	0.22	0.85	943
11/16/19	154	9.8	68.4	128.5	23.8	0.11	0.47	945	151	9	84.4	126.2	25.1	0.00	1.75	957	148	9.6	83.8	141.2	34.3	0.22	0.99	930
11/17/19	154	9.5	82	125.8	18.5	0.09	0.51	960	151	9.1	116.7	128.3	24.7	0.03	1.39	954	148	9.5	102.5	165.9	22	0.20	1.04	954
11/18/19	154	9.7	46.6	127.1	25.6	0.09	0.51	944	152	9	63.4	127.9	31.3	0.08	1.68	941	150	9.4	56.1	173.7	28.7	0.22	0.93	929
11/19/19	153	9.3	60.4	122	30.7	0.14	0.47	950	151	8.8	95.9	127.4	30.8	0.06	1.21	944	147	9	71.3	140.6	33.5	0.23	0.91	932
11/20/19	152	9.4	71.8	126.7	28	0.12	0.56	942	152	9.1	100.9	127.9	39	0.04	0.73	927	147	9.3	98.2	127.3	34.1	0.24	1.09	933
11/21/19	156	10.7	32	127	29.4	0.40	0.64	946	152	9	69.6	127.7	41.4	0.06	0.94	938	148	9.1	62.1	127.6	32.4	0.19	1.13	939
11/22/19	154	11.6	33.8	122.9	23.6	0.57	0.63	948	151	9	56.7	126.3	32.2	0.06	0.88	939	147	9.4	51.8	130	30.8	0.24	1.10	959
11/23/19	154	9.6	58	127.9	22.7	0.10	0.61	966	150	9	69.6	127.2	30.5	0.02	0.51	950	148	9.5	69.2	131	28.4	0.16	1.05	954
11/24/19	154	9.6	56.8	128.6	20.2	0.07	0.56	970	152	9	81.1	128.5	32.4	0.04	0.41	955	149	9.2	85.6	132	27.7	0.22	1.03	963
11/25/19	153	9.6	43.8	129.1	20.5	0.11	0.56	954	150	9	85.2	128.8	28.7	0.02	0.65	939	148	9.3	61.8	130.8	30.8	0.21	1.23	949
11/26/19	153	9.7	41.1	127.3	26.3	0.10	0.59	956	151	8.8	59.6	128	32.7	0.00	0.66	942	147	9.1	54.4	129.9	32.2	0.20	1.43	945
11/27/19	151	9.5	57.1	126.1	31.9	0.10	0.61	964	151	8.8	85.2	130.5	33.7	0.02	0.65	960	146	9.2	69.7	131	39.9	0.27	1.57	942
11/28/19	155	9.7	47.8	128.1	36.6	0.06	0.56	950	151	9	70.7	128.3	38.3	0.17	1.16	956	147	9.3	56.2	132.3	42	0.26	1.41	933
11/29/19	153	9.9	41.1	126.1	31	0.11	0.75	949	149	9.1	56.4	127.7	27.1	0.02	1.72	964	147	9.3	59.7	130.7	35.7	0.24	1.20	959
11/30/19	154	9.8	44	126.2	35.8	0.16	0.85	951	150	9.1	77	130.1	27.7	0.03	1.80	963	146	9.6	57.1	131.9	36.6	0.21	1.25	941
Average	153.3	9.8	58.3	126.6	25.8	0.19	0.56	949.1	150.3	9.1	88.2	128.7	30.5	0.06	1.01	947.6	147.4	9.4	74.6	136.9	30.9	0.25	1.07	942.2
Min	151.0	9.3	32.0	120.0	18.5	0.06	0.44	917.0	147.0	8.8	56.4	126.2	22.2	0.00	0.41	923.0	145.0	8.9	51.8	127.3	22.0	0.16	0.82	903.0
Max	156.0	11.6	127.3	129.1	38.0	0.57	0.85	975.0	152.0	9.6	177.9	131.3	41.4	0.32	1.97	964.0	150.0	10.0	126.8	173.7	42.0	0.43	1.57	963.0
St Dev	1.17	0.43	18.33	1.94	5.53	0.11	0.09	12.68	1.44	0.18	26.93	1.28	5.35	0.06	0.44	10.62	1.13	0.27	17.87	10.35	4.78	0.06	0.18	12.18

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.