

Monthly Operating Reports

May 2019

The following May 2019 operating report was sent to the Ministry of Environment and Climate Change Strategy on July 4, 2019.



May 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
5/1/19	147	9.4	75.9	126.2	21.3	0.19	0.60	955	155	9.6	81.3	129.4	22.8	0.05	0.82	892	147	9.6	87.3	132.7	29	0.25	0.85	924
5/2/19	152	9.2	72.4	124.5	22.8	0.20	0.53	943	155	9.6	75.5	127.9	25.4	0.12	0.86	887	147	9.2	65.7	135.2	32.6	0.38	0.88	926
5/3/19	152	10.1	68.6	129.6	26.6	0.25	0.54	946	154	9.3	61.8	127	28.3	0.07	0.57	907	148	9.5	80.2	133.5	34.5	0.22	0.88	935
5/4/19	151	10.4	82.8	130.2	21.9	0.22	0.54	946	152	9	69.6	129.2	22	0.03	0.47	918	147	9.6	80.9	133.9	24.5	0.25	0.83	935
5/5/19	151	10	78.2	128.8	18.7	0.19	0.50	938	152	9.1	67.3	129.4	20.8	0.05	0.30	924	149	9.5	83.2	133.8	21.8	0.19	0.80	932
5/6/19	152	9.5	62.1	128.6	19.1	0.20	0.50	938	154	9	57.7	130.4	26.7	0.03	0.30	905	148	9.2	62.2	133	29.5	0.25	0.73	923
5/7/19	148	9.1	63.8	126.9	12.2	0.20	0.49	970	156	9.1	65.1	128.8	27.4	0.07	0.40	905	148	9.2	68.7	133.9	25	0.23	0.69	940
5/8/19	150	9.5	73.7	126.3	16.8	0.23	0.51	969	155	9.2	103.6	129	20.3	0.06	0.27	915	147	9.1	81.7	130.6	23.7	0.22	0.64	965
5/9/19	151	9.8	64.4	125	23.2	0.21	0.48	948	154	8.9	68.9	127	22.3	0.06	0.16	904	146	9.2	80.9	131	29.5	0.26	0.60	959
5/10/19	152	10.1	73.6	125.9	28.2	0.27	0.47	940	154	10.6	67.3	146.1	32.1	0.11	0.25	905	146	9.1	75.7	131.9	38	0.25	0.58	956
5/11/19	150	9.5	72.4	124.1	20.2	0.22	0.48	958	153	9.3	76.3	127.4	25.9	0.06	0.88	900	147	9.2	77.3	135.7	39.7	0.30	0.62	967
5/12/19	152	9.7	94.1	126.6	25.5	0.35	0.47	930	153	9	92.9	125.7	21.6	0.03	1.53	901	149	9.4	86.9	133.2	34.9	0.31	0.80	950
5/13/19	151	9.6	75.9	127.1	25.6	0.20	0.48	946	154	8.8	74.5	127.4	29.9	0.12	1.39	892	149	8.9	80.1	133.2	33.7	0.36	0.81	959
5/14/19	152	10.3	54.5	126.2	27.6	0.20	0.51	936	151	9.4	60.7	130.2	26.2	0.03	1.38	902	146	9.4	58.3	132.8	35.9	0.30	0.81	946
5/15/19	151	10.1	51.8	128	28.2	0.20	0.53	932	151	9.2	47.2	129.9	37.4	0.06	0.97	903	145	9.4	47.1	132.8	42.5	0.26	0.75	944
5/16/19	150	9.7	54.7	122.3	26.9	0.28	0.47	939	154	9.1	51.6	135.3	29.3	0.07	0.97	898	147	9.4	62.6	137.2	33.5	0.27	0.72	938
5/17/19	150	9.7	60.3	99.6	26.3	0.31	0.46	944	154	9.5	66.5	119	29.8	0.05	1.37	900	150	9.8	61.5	146.5	37.8	0.27	1.12	934
5/18/19	151	9.3	66.9	104.5	20.1	0.20	0.51	956	154	9	69.3	123.5	26.5	0.05	1.19	913	149	9.2	58.5	143.6	32.4	0.26	0.80	958
5/19/19	155	9.7	71.4	110.7	23.3	0.25	0.52	936	155	8.9	65.9	118.6	29.3	0.04	1.14	912	151	8.8	64.6	141.9	30	0.29	0.76	959
5/20/19	153	9.8	83.3	109.4	27.4	0.20	0.46	911	156	8.7	85	120.9	24.2	0.04	1.90	906	150	8.7	70.1	129.7	33.3	0.25	0.89	938
5/21/19	151	9.6	36.9	117.4	21.6	0.20	0.47	923	156	9.1	42.2	126.7	29.9	0.02	0.95	897	150	8.9	37.6	132.8	38	0.26	0.82	929
5/22/19	153	9.5	75	119	22.8	0.25	0.44	935	153	9	70.2	128.1	29.8	0.04	0.66	911	147	9.1	58.2	130.4	34	0.26	0.72	928
5/23/19	152	9.5	76	125.9	27.3	0.26	0.40	936	154	8.9	76.8	127.1	31.3	0.08	1.15	911	146	9	69.8	130.5	35.3	0.32	0.68	939
5/24/19	151	10	64.5	119.6	28.5	0.42	0.45	925	152	9	80.5	130.2	39.8	0.07	1.46	912	144	9	64.5	131.4	34.3	0.23	0.71	939
5/25/19	153	10.3	76.9	128.8	27.4	0.31	0.44	912	156	9.2	86.8	129.1	24.5	0.07	2.05	908	148	9.3	79.1	131.6	31.8	0.27	0.88	937
5/26/19	153	10.2	71.4	128.8	25.2	0.29	0.50	913	159	9.5	90.5	129.9	28.8	0.06	1.48	908	150	9.4	83.2	132.5	28.4	0.24	0.80	933
5/27/19	153	9.6	61.5	127.6	29.9	0.27	0.54	929	156	8.9	63.5	128.9	27.9	0.06	0.86	906	147	9.1	61.9	131.9	31	0.27	0.56	942
5/28/19	153	9.8	100.7	128.2	31	0.28	0.64	925	154	8.6	86.3	128.9	26.3	0.04	1.50	917	146	9.1	67.1	132.2	34.9	0.26	0.74	939
5/29/19	153	9.7	107.9	128.1	28.8	0.29	0.71	943	154	8.7	120.7	131.6	40.5	0.10	2.01	899	148	8.8	118.1	131.1	38.6	0.26	0.86	926
5/30/19	153	9.8	61.1	128.5	28.6	0.33	0.70	936	155	9	61.7	128.6	40.2	0.05	1.92	900	146	8.9	58.3	130.6	44.3	0.28	0.79	931
5/31/19	154	10.1	65.7	125.8	33.3	0.29	0.69	919	155	8.5	66.6	128.4	31.2	0.05	1.90	917	147	8.9	61.1	131.8	38.1	0.30	0.80	941
Average	151.6	9.8	70.9	123.5	24.7	0.25	0.52	938.0	154.2	9.1	72.7	128.4	28.3	0.06	1.07	905.6	147.6	9.2	70.7	133.6	33.2	0.27	0.77	941.0
Min	147.0	9.1	36.9	99.6	12.2	0.19	0.40	911.0	151.0	8.5	42.2	118.6	20.3	0.02	0.16	887.0	144.0	8.7	37.6	129.7	21.8	0.19	0.56	923.0
Max	155.0	10.4	107.9	130.2	33.3	0.42	0.71	970.0	159.0	10.6	120.7	146.1	40.5	0.12	2.05	924.0	151.0	9.8	118.1	146.5	44.3	0.38	1.12	967.0
St Dev	1.65	0.33	14.03	7.62	4.55	0.06	0.08	14.77	1.66	0.39	16.01	4.74	5.42	0.03	0.57	8.32	1.65	0.27	14.74	3.86	5.30	0.04	0.11	12.44

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 24-hr average.