

Monthly Operating Reports

July 2019

The following July 2019 operating report was sent to the Ministry of Environment and Climate Change Strategy on September 5, 2019.



July 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
7/1/19	153	9.9	47.7	119.2	23.5	0.29	0.38	931	156	8.6	59	128.8	29.2	0.06	0.42	915	149	8.5	60.3	131	25.3	0.41	0.76	948
7/2/19	153	10.3	44.1	121.9	28.1	0.31	0.38	939	156	8.9	53	126.3	24.6	0.04	0.99	925	147	8.8	47.2	130.2	28.5	0.34	0.86	962
7/3/19	152	10.2	37.1	120.1	27.2	0.40	0.40	929	155	9	43.5	127.6	33.2	0.09	0.90	910	149	9.1	42.8	132.3	33.5	0.43	0.86	930
7/4/19									153	8.8	59.8	125.5	29.6	0.04	0.81	922	147	9.3	52.8	132.2	29	0.46	0.80	938
7/5/19	159	9.9	91.1	127	19.7	0.74	0.35	938	156	8.7	72.1	127.8	31.8	0.09	1.08	922	146	9.1	57.7	131.3	32.1	0.41	0.81	943
7/6/19	157	9.7	83.2	129.9	22	0.54	0.39	940	156	8.7	74.8	130.1	25.6	0.07	1.04	926	147	8.9	61.6	132.9	25.5	0.35	0.81	960
7/7/19	157	10.1	85.1	128.6	20.9	0.44	0.39	935	156	8.7	74.7	129.1	20.3	0.07	1.11	944	148	9	70	136.4	23	0.29	0.85	968
7/8/19	156	10.2	68.6	128	31.7	0.45	0.40	923	154	9	53.1	129.1	27.1	0.09	0.80	927	149	9	51.8	132.8	26.1	0.46	0.79	952
7/9/19	156	10	59.5	128.7	27.7	0.39	0.40	937	154	9.2	55	129.3	27.4	0.14	0.87	938	148	9.2	46	133.8	26.1	0.43	0.73	945
7/10/19	155	9.7	65.5	127.4	28.5	0.34	0.36	943	155	9.4	61.2	127.7	30.3		1.10	969	148	9.2	41	131.7	38.4	0.44	0.77	937
7/11/19	154	10.1	50.4	127.5	44.2	0.41	0.41	937	153	9.8	44.2	127.1	35.9		1.12	918	148	9.4	39.9	131.4	43	0.42	0.73	945
7/12/19	156	10.2	55.3	129.3	27.2	0.37	0.42	932									146	9.6	38.9	130.1	29.4	0.47	0.69	936
7/13/19	156	10.1	48.2	129	25.3	0.31	0.39	941									146	9.4	32.7	133.1	34.7	0.48	0.66	933
7/14/19	157	10.3	46.6	129.2	26.5	0.34	0.40	941	154	9.1	46.8	130.9	22.4	0.07	0.74	939	147	9.5	39.2	133.2	31.3	0.42	0.68	928
7/15/19	155	9.9	44.1	127.7	26	0.34	0.40	925	157	9	42.2	128.9	23.8	0.02	0.85	932	148	9.4	35.3	135.1	40.5	0.53	0.67	935
7/16/19	156	10	54.2	126.3	45.6	0.34	0.39	957	158	9.5	50.9	129.9	24.9	0.04	0.90	929	148	9.6	41.8	130.6	34.7	0.42	0.69	941
7/17/19	156	9.9	43.1	129.8	44.3	0.30	0.54	926	157	9.3	51.1	131.8	31.1	0.05	1.31	935	147	9.2	36.3	135.2	36.6	0.29	0.77	951
7/18/19	156	10.3	63.8	131.9	24.1	0.37	0.53	922	156	9.2	56.8	128.9	23.8	0.08	1.07	927	148	9.4	47.8	136.1	37.2	0.41	0.76	937
7/19/19	153	10	66.5	128.9	23	0.25	0.49	950	154	9.4	62.8	128.9	22.5	0.13	1.01	926	148	9.7	54.4	131.1	41.4	0.42	0.72	928
7/20/19	156	10.3	65.3	129.8	23.3	0.35	0.49	952	155	9.4	67.1	130.9	21.3	0.04	1.00	935	148	9.3	59.9	133.2	39	0.44	0.70	939
7/21/19	155	10.4	47.4	128.3	31.5	0.41	0.54	958	156	9.5	55.6	128.5	21.8	0.07	0.81	924	149	9.4	52.4	133.5	35.8	0.51	0.62	921
7/22/19	153	10.6	34.4	129.2	32.1	0.37	0.49	945	154	9.2	41.4	126.7	22.7	0.07	0.91	929	149	9.4	40.3	131.7	34.6	0.44	0.63	920
7/23/19	153	10.4	44.3	127.2	29.4	0.40	0.48	945	155	9.1	52.7	128.8	22.4	0.05	0.48	943	149	9.2	50.8	133.2	26.4	0.40	0.69	934
7/24/19	154	9.8	74.6	127	30.3	0.77	0.53	962	158	9.6	61.5	130.3	19.7	0.09	0.76	930	148	9.1	54.3	133.2	30.1	0.42	0.70	940
7/25/19	154	9.9	45.7	126.2	23.5	0.63	0.56	947	153	9.4	45.1	127.3	18.5	0.09	0.36	929	148	9.4	41.8	132.2	32.3	0.66	0.67	937
7/26/19	154	9.9	57.2	127	23.5	0.43	0.53	947	153	8.9	54.8	128.5	23.7	0.07	0.55	932	148	9.6	54.4	133.3	35.6	0.99	0.61	923
7/27/19	153	10.2	66.7	128.1	16.7	0.35	0.50	965	156	9.5	70.9	127.7	23.6	0.08	1.33	932	149	9.5	62.5	133.2	28.3	0.76	0.66	948
7/28/19	154	10	61.4	128.3	21.2	0.36	0.51	950	157	9.6	72.3	125.7	20.9	0.06	1.43	931	149	9.3	61.1	131.7	28.9	0.81	0.66	945
7/29/19	151	9.9	36.5	127.4	23.7	0.28	0.53	949	155	9.2	45.6	128.5	17.9	0.06	1.27	934	150	9.2	38.3	131.5	29.8	0.80	0.66	942
7/30/19	152	9.8	49.3	127.7	19.7	0.33	0.54	964	156	8.7	52	128.7	17.2	0.04	1.56	965	150	9.4	50.3	133.8	31.4	0.76	0.70	947
7/31/19	152	9.9	68.6	127.7	21.8	0.28	0.53	959	158	8.7	85	128.2	22.3	0.03	1.38	970	150	9.6	59.2	133.1	33.1	0.67	0.63	930
Average	154.6	10.1	56.9	127.5	27.1	0.40	0.46	943.0	155.4	9.1	57.4	128.5	24.7	0.07	0.96	933.0	148.1	9.3	49.1	132.7	32.3	0.50	0.72	940.1
Min	151.0	9.7	34.4	119.2	16.7	0.25	0.35	922.0	153.0	8.6	41.4	125.5	17.2	0.02	0.36	910.0	146.0	8.5	32.7	130.1	23.0	0.29	0.61	920.0
Max	159.0	10.6	91.1	131.9	45.6	0.77	0.56	965.0	158.0	9.8	85.0	131.8	35.9	0.14	1.56	970.0	150.0	9.7	70.0	136.4	43.0	0.99	0.86	968.0
St Dev	1.89	0.22	14.66	2.71	7.08	0.12	0.07	12.21	1.52	0.33	11.33	1.50	4.73	0.03	0.30	14.24	1.11	0.26	9.63	1.57	5.16	0.17	0.07	11.39

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.