

22-Jan 14:00	30 min	105.6	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
25-Jan 13:00	30 min	112.3	Started gas burners, adjusted airflow, modified feed rate.
25-Jan 13:30	30 min	102.1	Started gas burners, adjusted airflow, modified feed rate.
25-Jan 16:00	30 min	183.8	Started gas burners, adjusted airflow.
25-Jan 16:30	30 min	133.8	Started gas burners, adjusted airflow, modified feed rate.
29-Jan 12:30	30 min	213.6	Volatile fuel, started gas burners, adjusted airflow.
31-Jan 12:00	30 min	102.8	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.

Compliance Parameter: Carbon Monoxide
Response Limit: 100 mg/dscm 1/2 hour average
Unit No. 2

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
6-Jan 13:00	30 min	126.2	Started gas burners, adjusted airflow, modified feed rate.
8-Jan 06:30	30 min	170.8	Feeder hang-up, started gas burners, adjusted airflow.
12-Jan 13:30	30 min	230.4	Volatile fuel, adjusted airflow, modified feed rate, checked instrumentation.
20-Jan 18:30	30 min	118.8	Adjusted airflow, modified feed rate.
21-Jan 06:30	30 min	118.9	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
27-Jan 14:00	30 min	105.0	Modified feed rate, checked instrumentation.

Compliance Parameter: Carbon Monoxide
Response Limit: 100 mg/dscm 1/2 hour average
Unit No. 3

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
3-Jan 12:00	30 min	125.7	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
4-Jan 05:00	30 min	112.7	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
7-Jan 15:00	30 min	126.7	Started gas burners, adjusted airflow, modified feed rate.
13-Jan 15:00	30 min	135.9	Started gas burners, adjusted airflow, modified feed rate.
13-Jan 15:30	30 min	151.4	Started gas burners, adjusted airflow, modified feed rate.
13-Jan 19:30	30 min	112.4	Started gas burners, adjusted airflow, modified feed rate.
17-Jan 21:30	30 min	110.3	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
18-Jan 08:00	30 min	124.7	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
21-Jan 03:30	30 min	122.9	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
23-Jan 03:30	30 min	242.6	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
23-Jan 16:00	30 min	101.5	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
30-Jan 20:30	30 min	130.6	Adjusted airflow, modified feed rate.

January 2021 - 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
1/1/21	158	9.7	34.2	128.1	34.8	0.98	1.23	947	157	9.2	50.9	129.1	21.2	0.03	0.36	905	153	9.2	36.9	129.3	24.6	0.10	0.23	910
1/2/21	157	10	37.9	126.8	30.5	0.96	1.10	927	158	9.6	51.1	128.4	17.9	0.06	0.67	897	154	9.8	45.7	129.3	28.8	0.40	0.19	899
1/3/21	156	9.6	51.9	127.5	32.3	0.68	1.12	947	156	9.2	71.1	128.4	19	0.04	0.72	921	158	10	52.4	128.2	27.4	0.08	0.24	881
1/4/21									158	10.3	48.1	129.2	18.9	0.06	0.88	883	156	10.2	36.1	127.1	24.5	0.19	0.23	863
1/5/21	158	10	28.6	130	32.7	0.59	1.17	929	157	10.3	40.3	132.1	17.1	0.11	0.61	901	156	10.1	29.7	129	25.4	0.13	0.22	877
1/6/21	158	10	26.1	127.4	25.6	0.65	1.14	936	156	9.4	31.7	129.1	20.6	0.05	0.52	915	154	9.9	23.6	128.3	25.3	0.06	0.18	884
1/7/21	157	9.8	33.3	129.5	27.8	0.51	1.16	942	156	8.9	39.3	127.8	20.4	0.04	0.69	927	154	9.7	30.8	129.3	23.9	0.02	0.19	892
1/8/21	156	9.9	28.9	127.7	34.4	0.55	1.21	940	156	9	40.1	129.1	18.8	0.11	0.81	925	154	9.8	32.6	129.7	24.2	0.04	0.21	893
1/9/21	158	10.1	29.6	127.8	36.6	0.50	1.23	931	156	8.9	45.5	126.6	15.6	0.07	0.88	931	154	9.9	36.5	129.4	27.7	0.04	0.24	887
1/10/21	160	9.8	54.5	128	34.9	0.64	1.21	945	158	9.1	79.9	130.1	16.6	0.04	0.71	924	153	9.9	52.8	127.3	25.9	0.09	0.22	894
1/11/21	158	9.9	60.1	126.4	32.3	0.72	1.21	933	158	8.8	71.9	129.1	21.8	0.05	0.48	923								
1/12/21	157	9.9	85.2	126.1	32.3	0.76	1.15	929	157	8.7	102.1	128.9	26.9	0.06	0.43	925								
1/13/21	156	9.7	56.7	121.5	25	0.39	1.15	930	156	9	64.8	128.4	19.5	0.07	0.83	915	151	9	110.7	129.4	30.9	0.11	0.22	878
1/14/21	157	9.7	51	124.5	22.7	0.55	1.19	937	158	8.6	59.3	130.1	18.6	0.06	1.53	923	154	9.3	114.8	129.9	26.6	0.19	0.24	860
1/15/21	157	9.9	55.4	122.6	28.3	0.64	1.19	922								158	9.4	126.3	132.1	27.6	0.10	0.28	898	
1/16/21	158	9.9	40.2	126.2	30.6	0.50	1.18	936	158	8.4	54.6	127	17.5	0.08	1.59	945	158	9.3	112.8	132.2	26.1	0.12	0.24	921
1/17/21	157	9.7	32.3	124.8	27.5	0.50	1.21	936	158	8.6	41.5	129.4	13.2	0.07	1.88	949	157	9.5	98.2	131.5	26.2	0.16	0.25	908
1/18/21	156	10.3	18.5	123.7	29.2	0.50	1.21	935	157	9	37.1	127.9	15.4	0.09	1.27	937	153	9.7	75.4	132.5	23.6	0.12	0.25	904
1/19/21																								
1/20/21									158	9.1	123.8	128.4	20.1	0.07	0.90	940	153	9.6	165.2	131.3	25.5	0.10	0.25	922
1/21/21	151	10	127.6	139.6	36.3	0.63	1.18	892	156	9.1	86.5	130.2	15.1	0.07	0.87	933	151	9.3	112.5	134.2	23	0.09	0.25	925
1/22/21	155	10.6	168.1	144	36.6	0.44	1.26	881	156	9.2	84.2	132.5	15.5	0.06	1.52	942	153	9.7	103.7	155.7	24.1	0.09	0.29	926
1/23/21	151	10	130.1	130.9	31.7	0.33	1.42	916	155	8.7	78	130.9	18.8	0.05	1.08	949	154	9.3	102.6	140.5	22.8	0.05	0.30	927
1/24/21	154	10.7	179.9	132.7	26.9	0.37	1.86	890	156	8.7	126.1	130.1	13.8	0.04	0.37	952	157	9.3	166.6	130.4	24.8	0.21	0.33	919
1/25/21	151	9.3	140.4	125.4	48.1	0.50	1.97	953	152	8.8	81.8	129.9	22.1	0.07	0.19	952	153	9.1	107.7	133.7	20.4	0.18	0.29	936
1/26/21	153						0.96	930	153	9.1	95.9	131.3	19.8	0.10	0.40	937	151	9.4	104.3	134	22.5	0.19	0.25	919
1/27/21	155	10	106.8	129.8	25.6	0.42	1.00	928	153	9.2	70.5	133.1	24.3	0.09	0.55	956	153						0.27	924
1/28/21	156	10.1	99.7	131.1	24.6	0.41	1.00	924	153	9.1	52.3	130.6	18.6	0.08	0.45	948	153	9.8	81.2	133.2	31.1	1.04	0.27	928
1/29/21	154	9.7	81.7	129.7	36.1	0.44	1.03	947	153	8.9	52.9	130.7	18.7	0.04	0.31	962	151	9.9	68.7	134.1	26.5	0.84	0.24	932
1/30/21	156	10.3	86.1	131.4	34.8	0.54	1.03	927	153	9	33.9	130.5	30.4	0.06	0.26	955	150	9.6	75.1	139.2	28.2	0.91	0.28	941
1/31/21	154	9.8	117.3	129.9	30.9	0.43	0.99	946	154	10	51.3	133.4	24	0.03	0.19	923	153	9.9	110.4	136.1	27.4	0.96	0.23	933
Average	156	9.9	72.7	128.6	31.4	0.56	1.21	930	155.9	9.1	64.4	129.7	19.3	0.06	0.76	930.9	153.9	9.6	82.0	132.5	25.7	0.24	0.25	906.5
Min	151	9.3	18.5	121.5	22.7	0.33	0.96	881	152.0	8.4	31.7	126.6	13.2	0.03	0.19	883.0	150.0	9.0	23.6	127.1	20.4	0.02	0.18	860.0
Max	160	10.7	179.9	144.0	48.1	0.98	1.97	953	158.0	10.3	126.1	133.4	30.4	0.11	1.88	962.0	158.0	10.2	166.6	155.7	31.1	1.04	0.33	941.0
St Dev	2.3	0.29	46.20	4.72	5.27	0.16	0.22	17.3	1.91	0.46	25.44	1.68	3.77	0.02	0.44	19.30	2.23	0.32	40.99	5.70	2.46	0.30	0.03	22.82

Blank days have less than 18 hours of valid data due to unit shut downs or analyzer outage.
 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.