

Monthly Operating Reports

January 2026

The following January 2026 operating report was sent to the Ministry of Environment and Parks on February 13, 2026.



Metro Vancouver - Waste-to-Energy Facility CONTINUOUS EMISSION MONITORING SYSTEM

January 2026

1. Monthly Summary Report

Parameter	Compliance Limit (mg/dscm)	Compliance Period	Maximum Measurement (mg/dscm)		
			Unit 1	Unit 2	Unit 3
CO	50	24 hr	30.6	35.4	32.2
SO ₂	200	24 hr	60.5	95.5	86.2
NOx	190	24 hr	142.9	140.6	137.9
THC	10	24 hr	0.11	0.20	0.16
			Monthly Average (mg/dscm)		
			Unit 1	Unit 2	Unit 3
Opacity (%)			0.27	0.53	0.74
CO			25.8	25.8	24.1
THC			0.02	0.14	0.05
SO ₂			39.4	55.2	53.3
NOx			130.2	130.4	132.3

Interim Discharge Limits will apply until and including the following dates, at which point the Discharge Limits and Response Limits will apply

a. HCl – March 3, 2025

b. SO₂ – March 3, 2025

2. Monthly Exceedance Report

2.a. Discharge Limit Exceedances

Unit	Compliance Parameter	Discharge Limit (mg/dscm)	Date	Exceedance Level
Reason/Action Taken				

2.b. Response Limit Exceedances

Compliance Parameter: Carbon Monoxide

Response Limit: 100 mg/dscm 1/2 hour average

Unit No. 1

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
7-Jan 16:30	30 min	119.1	Feed chute hang up. Started gas burners, adjusted airflow, modified feed rate.
13-Jan 14:30	30 min	101.7	Started gas burners, adjusted airflow, modified feed rate.

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

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
3-Jan 08:30	30 min	109.3	Started gas burners, adjusted airflow, modified feed rate, checked instrumentation.
6-Jan 02:00	30 min	108.8	Started gas burners, adjusted airflow, modified feed rate.
21-Jan 01:00	30 min	107.0	Started gas burner, adjusted airflow, 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
22-Jan 20:30	30 min	144.3	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
26-Jan 20:00	30 min	103.6	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
27-Jan 14:30	30 min	103.9	Volatile fuel. Started gas burners, adjusted airflow.

2.c. Transient Conditions

Gas burners unavailable during shutdown and furnace temperature average below 800C

Unit	Duration	Date	Time	
Cause				
Action Taken to Restore Steady State Conditions				
Remedial Action Planned and/or Taken				

3. CEMS Availability

Analyzer	Required Availability (% hours per quarter)	Averaging Period	Monthly Availability		
			Unit 1	Unit 2	Unit 3
Opacity	90	Hour	99	100	100
Oxygen	90	Hour	96	99	98
CO	90	Hour	96	99	98
SO ₂	90	Hour	96	99	98
NOx	90	Hour	96	99	98
THC	90	Hour	96	99	98
Stack Flow	90	Hour	99	100	100

4. Shutdown Report

Unit 1

Duration in Hours	Reason	Date
0.82	Volatile fuel	January 3
0.20	Volatile fuel	January 7
0.65	Volatile fuel	January 8
1.35	Ash discharger cleaning	January 9
1.33	Volatile fuel	January 11
1.02	Volatile fuel	January 20
0.32	Ridlings, visual inspection	January 20
0.25	Volatile fuel	January 21
5.55	Refuse crane malfunction	January 24
0.17	Volatile fuel	January 28
4.47	BC Hydro power interruption	January 31

Unit 2

Duration in Hours	Reason	Date
0.13	Volatile fuel	January 6
0.25	Volatile fuel	January 8
0.27	High drum level	January 8
0.15	Volatile fuel	January 9
0.92	Fabric filter inspection	January 10
0.22	Volatile fuel	January 15
2.24	VFD failure	January 16
0.90	Volatile fuel	January 16
0.65	Volatile fuel	January 18
0.30	Induced draft fan trip	January 19
1.22	VFD inspection	January 19
0.20	Induced draft fan trip	January 20
1.24	VFD repairs	January 20
0.97	Control card replacement	January 21
0.77	Ash discharger cleaning	January 22
146.43	Grate bar repair	January 23-29
1.57	Ridlings inspection	January 30
4.44	BC Hydro power interruption	January 31

Unit 3

Duration in Hours	Reason	Date
51.95	Grate bar repair	January 1-3
2.28	Ash discharger cleaning	January 5
4.04	Ash discharger maintenance	January 9
2.57	Ash discharger maintenance	January 15
0.28	Ridlings inspection	January 21
5.55	Refuse crane down	January 25
0.10	CEMS maintenance	January 27
1.32	Grate bar repair	January 27-28
29.93	Grate bar repair	January 30-31

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	20,667		
Waste Processed	tonnes/day	253	200	223
Maximum Waste Processed	tonnes/day	265	261	268
		Units 1, 2, and 3		
Natural Gas Consumed	m ³ /day	5,788		
	m ³ /month	179,440		
Fly ash disposed	tonnes	756		
Bottom ash disposed	tonnes	3,044		

7. Complaints and Responses

Date/Time	Complaint	Action Taken

January 2025 - 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
1/1/26	155.8	9.4	49.9	130.2	20.4	0.00	0.29	958	152.1	9.5	49.9	129.3	26.5	0.18	0.48	902	154.4	9.6	56.3	132.9	21.9	0.00	0.76	915
1/2/26	155.5	9.5	41.1	129.9	28.2	0.11	0.24	955	152.1	9.7	42.7	127.4	25.9	0.14	0.52	904								
1/3/26	156	10.2	47	129.8	28.3	0.01	0.24	953	152.3	9.8	50.8	127.4	24.4	0.11	0.50	882								
1/4/26	156.3	10.1	42.7	131.4	27.4	0.00	0.20	951	152.5	9.7	48	130.3	27	0.06	0.49	892	154.9	9.7	67.7	134.9	25.6	0.06	0.68	897
1/5/26	155.8	9.6	43.5	131.8	21.2	0.05	0.20	937	152.2	9.5	46.1	129.5	28	0.05	0.54	910	154.7	9.9	65.9	136	24.9	0.04	0.73	915
1/6/26	155.9	9.7	41.1	142.9	22.9	0.00	0.23	978	152.4	9.5	58.5	134.2	35.4	0.12	0.52	905	155.1	9.6	86.2	136.7	22.2	0.06	0.78	929
1/7/26	156	9.8	19.3	132.6	27.6	0.00	0.21	930	152.8	9.6	39.9	130.5	27.6	0.06	0.52	899	156	9.7	52.8	131.7	23.1	0.02	0.75	905
1/8/26	155.2	9.9	29.5	131.3	26.4	0.00	0.23	927	150.5	9	38.2	128.3	29.3	0.19	0.57	919	154.1	9.9	46	134.7	22.2	0.03	0.71	887
1/9/26	155.6	9.4	29	130	25.7	0.01	0.23	942	151.4	9.1	34.5	128.6	31.5	0.19	0.54	905	154.4	10.2	34	131.2	18.7	0.02	0.70	912
1/10/26	155.9	9.4	40.8	134	23.6	0.02	0.20	930	152	9.3	45.2	127.7	26.1	0.14	0.50	915	154.7	9.9	55.2	136	21.9	0.03	0.68	916
1/11/26	154	9.2	43.2	134.7	26.7	0.08	0.24	926	151.9	9.4	50.5	128	22.1	0.12	0.49	907	153.4	9.8	53	137.9	19.2	0.01	0.71	916
1/12/26	153.8	9.3	28.7	131.8	30.4	0.01	0.22	949	151.2	9.5	39.4	130.2	24.7	0.11	0.48	891	153	9.9	42.6	135.3	24.3	0.01	0.64	913
1/13/26	153.6	9.4	43.2	130.8	28.1	0.00	0.22	937	151.4	9.6	53.9	131.5	28.3	0.17	0.46	887	153.1	9.8	48	134.5	24.9	0.04	0.62	901
1/14/26	153.6	9.4	36.8	128.5	28.4	0.00	0.19	943	151.2	9.4	46.8	130.2	26.9	0.17	0.46	902	152.4	10	43.3	133.6	27.6	0.03	0.66	921
1/15/26	153.7	9.5	37.8	127.3	29.2	0.00	0.12	933	150.3	9.4	54	128.3	26.8	0.20	0.45	917	152.2	10.2	52.1	133.3	23.7	0.03	0.65	916
1/16/26	152.7	9.6	46.7	132	27	0.00	0.20	954	149.3	9.4	64.5	127	25.4	0.20	0.52	894	152.2	9.8	63.5	130.8	22.6	0.03	0.74	916
1/17/26	152.3	9.1	49.3	130	23.7	0.11	0.27	970	150.2	9.3	60.3	128	25.8	0.16	0.58	906	153.1	9.5	58.8	131.7	22.9	0.10	0.73	918
1/18/26	152.3	9	35.4	129.6	24.2	0.00	0.32	947	150.2	9.2	55.4	127	28	0.18	0.62	912	152.8	9.5	53.6	129.9	20.1	0.00	0.75	931
1/19/26	152.4	9.2	19.3	131.3	24.1	0.00	0.31	936	150	9.2	41.2	128.8	20.5	0.17	0.60	907	152.9	9.2	33.6	130.3	16.2	0.00	0.76	951
1/20/26									150	9.1	76.2	135.3	19.5	0.10	0.64	890	152.6	9.5	56.5	133.3	23.2	0.02	0.82	921
1/21/26	150.4	9.2	23.1	127.2	30.6	0.05	0.32	922	149.4	9.8	43.5	129.9	27.1	0.08	0.62	868	152.3	10.1	38.6	133.8	32.2	0.14	0.79	885
1/22/26	147.1	9.2	39.8	127.5	25	0.00	0.34	946	148.1	9.5	58.9	128.3	27	0.09	0.65	901	152.6	10	50.1	129.4	31.9	0.12	0.77	902
1/23/26	148	9.5	48.5	125.8	29.8	0.00	0.39	990									153.1	10.2	66.4	131.5	27.8	0.11	0.81	913
1/24/26	152.7	9.2					0.33	946									151.5	9.5	59.8	133.6	23.6	0.05	0.81	920
1/25/26	152.6	9.3	35.9	127.4	26.7	0.00	0.37	948									149.2	9.3	38.6	129	22.7	0.04	0.89	924
1/26/26	152.4	9.4	39.6	129.8	21	0.00	0.33	964									150	9.7	46.2	128.4	30.4	0.16	0.84	917
1/27/26	152.5	10.3	34.9	128	24.9	0.00	0.30	910									150.2	10.2	44.2	127.5	27.5	0.03	0.77	912
1/28/26	152.6	10.2	45.2	126.8	28.7	0.00	0.30	967									153.1	10	60.1	127	26	0.03	0.71	921
1/29/26	154.1	9.6	60.5	128.2	21.2	0.00	0.28	933	152.4	8.9	92.9	140.6	23.2	0.12	0.50	909	152.2	9.7	65.4	127.8	22.5	0.04	0.68	946
1/30/26	153.9	9.6	46.4	127	22	0.00	0.26	921	153.2	8.7	95.5	138.8	19.3	0.13	0.46	922	152.8	9.7					0.66	939
1/31/26	147.8	10	44.1	127.2	26	0.00	0.56	889	150.5	8.6	92.3	133.8	17.8	0.16	0.50	924								
Average	153	9.5	39.4	130.2	25.8	0.02	0.27	943	151.2	9.3	55.2	130.4	25.8	0.14	0.53	903	153.0	9.8	53.3	132.3	24.1	0.05	0.74	916.4
Min	147	9.0	19.3	125.8	20.4	0.00	0.12	889	148.1	8.6	34.5	127.0	17.8	0.05	0.45	868	149.2	9.2	33.6	127.0	16.2	0.00	0.62	885.0
Max	156	10.3	60.5	142.9	30.6	0.11	0.56	990	153.2	9.8	95.5	140.6	35.4	0.20	0.65	924	156.0	10.2	86.2	137.9	32.2	0.16	0.89	951.0
St Dev	2.5	0.35	9.39	3.33	2.97	0.03	0.08	20.4	1.28	0.32	17.16	3.58	3.88	0.05	0.06	13.03	1.55	0.27	11.84	2.99	3.77	0.04	0.07	14.86

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.