

Monthly Operating Reports

February 2026

The following February 2026 operating report was sent to the Ministry of Environment and Parks on April 14, 2026.

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

February 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	25.7	30.7	39.7
SO ₂	200	24 hr	162.9	145.1	158.6
NOx	190	24 hr	145.8	143.1	157.1
THC	10	24 hr	0.07	0.23	0.24
			Monthly Average (mg/dscm)		
			Unit 1	Unit 2	Unit 3
Opacity (%)			0.22	0.49	0.79
CO			21.2	22.3	24.2
THC			0.01	0.13	0.08
SO ₂			72.0	86.5	80.2
NOx			131.1	127.0	130.7

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
2-Feb 16:30	30 min	102.8	Started gas burners, adjusted airflow, modified feed rate.
17-Feb 09:00	30 min	106.2	Started gas burners, adjusted airflow, modified feed rate.
18-Feb 06:00	30 min	108.3	Started gas burners, adjusted airflow.

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

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
2-Feb 00:00	30 min	119.9	Started gas burners, adjusted airflow, modified feed rate.
7-Feb 08:30	60 min	119.7	Started gas burners, adjusted airflow, modified feed rate.
7-Feb 10:30	30 min	116.8	Started gas burners, adjusted airflow, modified feed rate.
7-Feb 12:30	30 min	115.7	Started gas burners, adjusted airflow, modified feed rate.
7-Feb 23:30	30 min	120.0	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
20-Feb 02:00	30 min	142.3	Started gas burners.
24-Feb 16:30	30 min	157.7	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
26-Feb 05:00	30 min	148.5	Feeder hang up. Started gas burners, adjusted airflow, modified feed rate.
26-Feb 19:00	30 min	177.0	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
28-Feb 21:00	30 min	113.1	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.

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

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
1-Feb 12:00	30 min	116.1	Started gas burners, adjusted airflow, modified feed rate.
1-Feb 13:00	30 min	122.4	Poor refuse quality. Started gas burners, adjusted airflow.
3-Feb 21:30	30 min	117.2	Started gas burners, adjusted airflow, modified feed rate.
4-Feb 14:30	30 min	105.1	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
6-Feb 01:30	30 min	247.5	Instrumentation issue.
9-Feb 06:00	30 min	127.3	Started gas burners, adjusted airflow, modified feed rate.
13-Feb 09:00	60 min	337.6	Started gas burners, adjusted airflow, modified feed rate.
13-Feb 12:00	60 min	255.1	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
22-Feb 15:30	30 min	116.0	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.

Compliance Parameter: Nitrogen Oxide
Response Limit: 350 mg/dscm 1/2 hour average
Unit No. 3

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
6-Feb 01:30	30 min	514.8	Instrumentation issue.

Compliance Parameter: Opacity
 Response Limit: 5% 1/2 hour average
 Unit No. 3

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
8-Feb 13:00	30 min	5.3	Bag leak. Fabric filter bag changed.

Compliance Parameter: Total Hydrocarbons
 Response Limit: 20 mg/dscm 1/2 hour average
 Unit No. 3

Date / Time	Duration	Exceedance (mg/dscm)	Action Taken
6-Feb 01:30	30 min	26.7	Instrumentation issue.

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	99	100
Oxygen	90	Hour	96	96	98
CO	90	Hour	96	96	98
SO ₂	90	Hour	96	96	97
NO _x	90	Hour	96	96	98
THC	90	Hour	96	96	98
Stack Flow	90	Hour	100	100	100

4. Shutdown Report

Unit 1

Duration in Hours	Reason	Date
0.15	Fan trip	February 1
0.42	Fan trip	February 1
0.45	Fan trip	February 1
2.32	BC Hydro power interruption	February 1
0.32	Low furnace pressure	February 1
91.25	Grate bar repair	February 3-7
0.17	Volatile fuel	February 8
0.45	Volatile fuel	February 9
1.17	Ash discharger cleaning	February 15
7.37	Unauthorized material in refuse pit	February 25
0.37	Volatile fuel	February 27
9.27	Grate bar repairs	February 28

Unit 2

Duration in Hours	Reason	Date
0.13	Fan trip	February 1
0.40	Fan trip	February 1
2.25	BC Hydro power interruption	February 1
1.67	CEMS down	February 1
3.63	Refuse crane repair	February 3
0.40	Volatile fuel	February 10
57.13	Grate bar repair	February 10-12
4.40	Fabric filter bag replacement	February 13
0.37	Volatile fuel	February 20
4.37	Fabric filter bag replacement	February 24
2.05	Ridlings hopper inspection	February 25
1.00	Ash discharger cleaning	February 25
0.18	Volatile fuel	February 26
3.30	Sifting chute cleaning	February 26
1.50	Fabric filter bag replacement	February 27

Unit 3

Duration in Hours	Reason	Date
8.82	Grate bar repair	February 1
2.18	BC Hydro power interruption	February 1
7.03	Refuse crane repair	February 3
4.33	Fabric filter bag replacement	February 8
1.10	Fabric filter bag replacement	February 9
0.70	Ash discharger cleaning	February 9
0.28	Low furnace pressure	February 16
37.62	Boiler wash	February 18-19
27.63	Secondary economizer cleaning	February 20-21
0.20	Volatile fuel	February 22
95.65	Grate bar repair	February 23-27

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	16,952		
Waste Processed	tonnes/day	212	221	181
Maximum Waste Processed	tonnes/day	264	262	267
		Units 1, 2, and 3		
Natural Gas Consumed	m ³ /day	8,887		
	m ³ /month	248,824		
Fly ash disposed	tonnes	683		
Bottom ash disposed	tonnes	2,444		

7. Complaints and Responses

Date/Time	Complaint	Action Taken

February 2026 - 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
2/1/26	144	10.5	52.8	123.1	25.7	0.03	0.78	896	152.9	9	115.1	142.2	18.2	0.22	0.51	904								
2/2/26	150.7	10.9	37.9	121.2	25.1	0.03	1.16	957	153.2	9	88.3	143.1	23.3	0.20	0.51	892	150.3	10.1	68.9	157.1	17.6	0.06	0.83	878
2/3/26																								
2/4/26									152.3	9.1	91.3	130.1	19	0.02	0.47	899	152.4	9.9	101	136.7	23.7	0.01	0.82	900
2/5/26									150.9	9.2	93.8	126.4	26.3	0.08	0.58	899	152.2	10.1	85	128.5	26.2	0.03	0.89	927
2/6/26									150.1	9.2	91.2	127.4	25.6	0.19	0.58	900	151.6	10.5	86.9	128.8	24.9	0.16	0.91	916
2/7/26	154.8	10.1	121.2	135.1	25.5	0.00	1.24	903	151.5	9.6	89.9	123.6	26.7	0.23	0.54	881	151.8	9.8	101.2	128.7	21.3	0.05	0.90	915
2/8/26	152.6	10.2	162.9	130.7	15.2	0.06	0.07	947	153.1	10	145.1	124.2	21.6	0.09	0.56	881	151.7	10.6	158.6	131.4	18.2	0.13	1.48	923
2/9/26	155.9	9.9	104	129.2	22	0.00	0.10	864	155.1	9.4	91.2	124.1	18.9	0.10	0.59	891	153.2	10.6	83	131.7	26.5	0.24	1.31	897
2/10/26	154.4	9.1	82.4	128.3	18.6	0.00	0.09	949									151.6	10.2	89.1	126.1	20.3	0.09	0.70	914
2/11/26	153.6	9.1	72.6	130	16.6	0.01	0.08	937									146.7	10.4	52.9	127	23	0.12	0.70	909
2/12/26	154.9	9.7	87.7	130.3	21.2	0.01	0.12	929									149.1	9.9	60.2	129.1	25.4	0.05	0.72	910
2/13/26	153.4	9.4	59	128.2	19.4	0.01	0.24	952	146.7	9.9	77.6	127.1	21.9	0.08	0.60	895	148.4	10.3	51.5	128.3	29.7	0.04	0.71	911
2/14/26	155.1	9.7	65.4	134.3	18.7	0.01	0.43	931	152.2	10.4	77	127.6	25.4	0.11	0.63	908	150.4	10.7	50.4	125.9	22.5	0.00	0.70	918
2/15/26	157.2	9.7	74.6	131.1	17.5	0.02	0.22	945	152.8	10.3	96.6	124.9	21	0.06	0.69	916	151.3	10.5	69.1	127.9	22.9	0.10	0.76	924
2/16/26	159	9.3	56	130.1	19.1	0.00	0.12	950	151.1	9.9	70.6	125.7	24.3	0.12	0.63	909	150.5	9.6	54.4	127.3	21.9	0.05	0.72	915
2/17/26	157.3	9.5	84.2	139.4	22	0.07	0.13	990	151.5	9.8	101.5	132.6	20.6	0.18	0.65	914	149.1	9.7	67.7	129.8	39.7	0.08	0.71	924
2/18/26	159.6	9.9	62.9	132.7	24	0.04	0.10	942	152.5	9.5	75.4	124.6	24	0.12	0.71	924								
2/19/26	157.6	9.7	88.3	130.6	23.6	0.01	0.09	955	150.7	9.4	96.2	123	19	0.12	0.71	924								
2/20/26	156.4	10.1	73.4	130.3	22.4	0.00	0.00	950	150.9	10.4	87.2	117.3	25.2	0.17	0.55	904								
2/21/26	154.9	9.8	45.7	129.5	20.3	0.00	0.00	978	150.7	10	69.3	121.6	21	0.17	0.26	916								
2/22/26	155.5	9.4	55.8	129.7	20	0.03	0.00	958	151.7	10.2	74.6	124.4	19.5	0.09	0.30	924	153.5	9.6	106.8	126.5	26.6	0.17	0.50	916
2/23/26	155.5	9.8	38.7	130.3	19.1	0.00	0.00	931	151.8	9.6	77.5	124.1	19.3	0.10	0.27	920								
2/24/26	154.8	9.5	50.3	133.3	24.1	0.01	0.00	918	150.9	9.8	81.3	133.1	20.4	0.19	0.34	930								
2/25/26	156.2	10.1	96.4	145.8	22.3	0.00	0.00	924	151.1	10.6	97.3	126.7	20.3	0.10	0.35	884								
2/26/26	155.2	10.2	49.6	132.7	23.6	0.00	0.00	927	151.9	10.8	66	126.4	30.7	0.10	0.34	906								
2/27/26	149.5	9.8	33.1	128.8	20.5	0.00	0.02	972	150	10.1	61.4	124.2	20.8	0.10	0.23	918	148.4	9.3	70.6	131.3	25.5	0.01	0.45	916
2/28/26									151.5	9.8	59.4	122.7	21.3	0.18	0.16	924	153.3	9.6	85.9	130	20.4	0.00	0.49	921
Average	155	9.8	72.0	131.1	21.2	0.01	0.22	939	151.5	9.8	86.5	127.0	22.3	0.13	0.49	906.8	150.9	10.1	80.2	130.7	24.2	0.08	0.79	913.0
Min	144	9.1	33.1	121.2	15.2	0.00	0.00	864	146.7	9.0	59.4	117.3	18.2	0.02	0.16	881.0	146.7	9.3	50.4	125.9	17.6	0.00	0.45	878.0
Max	160	10.9	162.9	145.8	25.7	0.07	1.24	990	155.1	10.8	145.1	143.1	30.7	0.23	0.71	930.0	153.5	10.7	158.6	157.1	39.7	0.24	1.48	927.0
St Dev	3.3	0.43	29.93	4.85	2.89	0.02	0.36	27.5	1.54	0.51	18.42	5.86	3.14	0.05	0.17	14.58	1.91	0.42	26.50	7.08	4.96	0.07	0.26	11.74

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.