

Monthly Operating Reports

May 2026

The following May 2026 operating report was sent to the Ministry of Environment and Parks on July 31, 2026.

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

May 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	32.8	27.7	41.0
SO ₂	200	24 hr	82.0	151.5	162.0
NOx	190	24 hr	134.3	130.4	150.3
THC	10	24 hr	0.56	0.19	0.90
			Monthly Average (mg/dscm)		
			Unit 1	Unit 2	Unit 3
Opacity (%)			0.06	0.78	0.84
CO			23.0	21.4	27.6
THC			0.40	0.09	0.65
SO ₂			39.6	68.9	58.6
NOx			125.1	126.5	131.5

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
13-May 05:30	30 min	107.3	Started gas burners, adjusted airflow, modified feed rate.
22-May 09:00	30 min	100.7	Started gas burners, adjusted airflow.
22-May 15:30	30 min	107.1	Started gas burners, adjusted airflow, modified feed rate.
23-May 09:30	30 min	105.4	Started gas burners, adjusted airflow.
27-May 07:30	30 min	129.2	Feed chute hang up. 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
8-May 09:30	30 min	126.6	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
27-May 07:00	30 min	111.4	No action required.

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-May 14:00	30 min	101.3	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
4-May 08:00	60 min	135.9	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
6-May 20:00	30 min	102.6	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
9-May 10:00	30 min	228.9	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
9-May 17:30	30 min	107.4	Volatile fuel. Started gas burners, adjusted airflow, modified feed rate.
12-May 08:00	30 min	265.9	Started gas burners, adjusted airflow.
13-May 05:30	60 min	135.6	Started gas burners, adjusted airflow, modified feed rate.
16-May 04:30	30 min	126.3	Volatile fuel. Started gas burners, adjusted airflow.
16-May 20:00	30 min	125.0	Volatile fuel. Started gas burners, adjusted airflow.

3. CEMS Availability

Analyser	Required Availability (% hours per quarter)	Averaging Period	Monthly Availability		
			Unit 1	Unit 2	Unit 3
Opacity	90	Hour	100	100	100
Oxygen	90	Hour	97	98	98
CO	90	Hour	97	98	98
SO ₂	90	Hour	97	98	98
NOx	90	Hour	97	98	98
THC	90	Hour	97	98	98
Stack Flow	90	Hour	100	100	100

4. Shutdown Report

Unit 1

Duration in Hours	Reason	Date
0.35	Grate bar inspection	May 8
1.25	Ash discharger maintenance	May 14
0.44	Ash discharger maintenance	May 18
78.52	Boiler cleaning	May 28-31

Unit 2

Duration in Hours	Reason	Date
2.95	Electrical maintenance	May 4-5
61.43	Tube leak repair	May 10-12
45.40	Boiler cleaning	May 20-22
0.27	Forced draft fan trip	May 26

Unit 3

Duration in Hours	Reason	Date
0.30	Forced draft fan trip	May 7
0.17	Forced draft fan trip	May 19
55.08	Boiler cleaning	May 21-24

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	18,514		
Waste Processed	tonnes/day	231	200	229
Maximum Waste Processed	tonnes/day	276	256	264
		Units 1, 2, and 3		
Natural Gas Consumed	m ³ /day	146,115		
	m ³ /month	4,713		
Fly ash disposed	tonnes	730		
Bottom ash disposed	tonnes	3,161		

7. Complaints and Responses

Date/Time	Complaint	Action Taken

8. Other Comments

The Real-time display of Unit 1 CEMS data on the Metro Vancouver website has been offline since May 2026. The Waste-to-Energy Facility Operator and Metro Vancouver are working to resolve the issue.

May 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
5/1/26	155.7	10.2	38.8	126.5	18.6	0.33	0.02	912	152	9.6	56.1	126.8	22.4	0.05	0.28	911	153.5	10.4	46.5	129.1	35.9	0.59	0.78	917
5/2/26	155.3	9.6	46.3	126.5	15.3	0.05	0.04	913	151.7	9.6	51.6	128.1	20.9	0.05	0.47	910	153.8	10.5	39.4	127.1	26.2	0.64	0.76	924
5/3/26	156.5	9.9	54.7	126.8	16.1	0.31	0.06	924	152.4	9.5	59.9	130.3	17.6	0.12	0.87	922	154.1	10	57.1	128.6	29	0.62	0.86	933
5/4/26	154.6	10	31.3	127.1	15.5	0.38	0.01	915	152	9.5	46.3	127.6	22.7	0.10	1.24	908	154.9	9.9	39.5	131.5	29.2	0.59	0.80	929
5/5/26	151.9	9.5	18.2	124.5	19.8	0.40	0.01	926	149.2	9.6	41.9	126.4	19.3	0.08	1.61	905	155.6	9.9	41	129.3	22.7	0.61	0.82	933
5/6/26	157.3	10	46.1	124.2	20.2	0.46	0.06	908	151.5	10.2	51	128.2	17.1	0.04	1.33	894	156.7	10.3	37.9	131.9	27.9	0.66	0.82	917
5/7/26	158.3	9.8	22	125.9	17.9	0.45	0.09	922	152.2	10.6	39.3	128.5	23.1	0.06	0.73	892	157	10.5	42.7	131.5	32.7	0.66	0.76	935
5/8/26	155.2	10.1	51.1	127.9	19.3	0.44	0.07	926	151.4	10.5	44.4	125.8	24.5	0.09	0.72	894	157	10.7	49.2	128.7	24.2	0.66	0.78	908
5/9/26	156.9	9.4	30.3	121	16.9	0.42	0.12	926	152.3	10.1	33.4	123.6	23	0.19	0.82	885	157.5	10.6	32.1	127.6	37.9	0.90	0.84	923
5/10/26	155.5	10.2	26.8	123.9	19.7	0.45	0.13	891									156.7	10.9	31.2	127.3	20.1	0.67	0.85	904
5/11/26	154.5	9.7	25.2	118.4	24.7	0.40	0.09	895									156.3	10.8	22.7	125.9	30.9	0.73	0.80	903
5/12/26	156.2	10.1	31.7	125.6	24.3	0.40	0.08	903									155.8	10.6	37.4	128.9	38.9	0.66	0.79	922
5/13/26	153.7	10.2	40.1	134.3	32.8	0.56	0.04	916	148.6	11	71.9	125.6	22	0.06	0.62	902	155.8	10.5	38.8	140.2	41	0.74	0.81	924
5/14/26	154.1	10.2	40.8	124.4	29.3	0.43	0.04	908	151.1	9.9	54	127.2	23.5	0.08	0.66	916	153.4	10.3	48.9	128.5	28	0.62	0.79	947
5/15/26	154.3	9.5	35	125.5	28.3	0.38	0.06	920	151.3	10	56.4	127.1	21.6	0.05	0.71	911	153.7	10	37.5	129	31	0.56	0.86	961
5/16/26	155.2	9.5	31.4	123.4	26.4	0.44	0.14	929	150.7	10.1	44.4	127	20.9	0.12	0.88	903	153.3	10.2	34.5	128.3	27.2	0.78	0.88	944
5/17/26	156.3	9.2	39.3	125.4	17.1	0.37	0.16	957	151.1	10.3	51	122.1	19.1	0.08	0.96	903	154.9	10.6	37.7	127.1	28.7	0.57	0.87	942
5/18/26	156.9	9.1	22.4	125.4	22	0.40	0.08	933	151	10.7	34.6	123.6	27.7	0.11	0.98	888	155.6	10.5	22.1	127.5	28.2	0.56	0.81	926
5/19/26	156.3	9.6	27.8	125.7	23.1	0.38	0.06	915	149.6	11.1	30.4	127.2	18.9	0.11	0.81	885	153.2	10.3	38.3	131.2	22.5	0.64	0.82	915
5/20/26	155.8	9.8	45.2	125.2	24.4	0.39	0.05	925	149.4	11	42	109.6	26.3	0.12	0.85	883	154.1	10.6	53.7	128.9	30.7	0.67	0.84	920
5/21/26	156.1	10.4	43.5	126	28.6	0.42	0.00	913																
5/22/26	156.3	10.7	43	126.1	31.1	0.44	0.05	915																
5/23/26	155.7	10.4	72.3	125.1	29.3	0.42	0.06	916	152.6	10.1	126.1	127.8	19.9	0.11	0.58	893								
5/24/26	153.1	10.1	53	121.3	19.9	0.44	0.07	933	150.9	9.6	115.5	129.2	19.3	0.09	0.61	914	152.2	10.9	101	132.9	25	0.72	0.84	908
5/25/26	153.3	9.9	41.2	122.2	22	0.47	0.05	934	149.3	9.4	101	126.9	22.7	0.07	0.62	907	153.5	10.4	103.2	130.8	22.6	0.65	0.89	934
5/26/26	154.8	10.1	82	124.3	26.3	0.43	0.05	916	150.8	9.3	113.3	127.7	22.1	0.11	0.65	904	154.5	10.2	102.2	140.8	15.9	0.63	0.91	929
5/27/26	154.1	10.4	30.1	126	32.5	0.46	0.02	916	149.4	10	74.8	130.4	19.7	0.11	0.64	879	158.1	10.4	72.9	150.3	27.1	0.59	0.90	917
5/28/26									153.2	9.7	91.2	127.7	22.4	0.09	0.63	891	156.5	9.9	86.4	149.3	20	0.61	0.80	943
5/29/26									157.4	10.4	95	130.1	20.3	0.07	0.66	897	157.9	10.3	105.8	132.2	24.2	0.64	0.85	930
5/30/26									153.9	9.9	151.5	126.8	20.4	0.10	0.69	924	159.6	10.4	162	128.4	25.6	0.61	0.97	932
5/31/26									154.2	10.3	114.4	127.5	18.4	0.11	0.71	904	160	10.1	118.3	129.8	18.2	0.63	1.00	922
Average	155	9.9	39.6	125.1	23.0	0.40	0.06	919	151.5	10.1	68.9	126.5	21.4	0.09	0.78	901.0	155.5	10.4	58.6	131.5	27.6	0.65	0.84	926.5
Min	152	9.1	18.2	118.4	15.3	0.05	0.00	891	148.6	9.3	30.4	109.6	17.1	0.04	0.28	879.0	152.2	9.9	22.1	125.9	15.9	0.56	0.76	903.0
Max	158	10.7	82.0	134.3	32.8	0.56	0.16	957	157.4	11.1	151.5	130.4	27.7	0.19	1.61	924.0	160.0	10.9	162.0	150.3	41.0	0.90	1.00	961.0
St Dev	1.4	0.39	14.58	2.76	5.39	0.09	0.04	13.1	1.87	0.52	33.52	3.96	2.53	0.03	0.27	12.03	2.00	0.29	34.44	6.19	6.08	0.07	0.06	13.54

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

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.