

Monthly Operating Reports

June 2022

The following June 2022 operating report was sent to the Ministry of Environment and Climate Change Strategy on August 12, 2022.

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

June 2022

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 | 43.7 | 31.0 | 30.6 |
| SO ₂ | 200 | 24 hr | 67.2 | 47.9 | 70.2 |
| NOx | 190 | 24 hr | 134.9 | 132.8 | 139.1 |
| THC | 10 | 24 hr | 0.21 | 0.34 | 0.21 |
| | | | Monthly Average (mg/dscm) | | |
| | | | Unit 1 | Unit 2 | Unit 3 |
| Opacity (%) | | | 0.82 | 0.31 | 0.43 |
| CO | | | 29.1 | 24.2 | 23.5 |
| THC | | | 0.03 | 0.09 | 0.10 |
| SO ₂ | | | 41.7 | 28.3 | 47.4 |
| NOx | | | 128.8 | 128.6 | 131.6 |

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 |
|--------------|----------|----------------------|---|
| 5-Jun 05:00 | 30 min | 113.6 | Started gas burners, adjusted airflow, modified feed rate, checked instrumentation. |
| 15-Jun 19:00 | 30 min | 102.1 | Feeder hang-up. Started gas burners, adjusted airflow, modified feed rate. |
| 16-Jun 02:30 | 30 min | 136.0 | Feeder hang-up. Started gas burners, adjusted airflow, modified feed rate. |
| 16-Jun 04:00 | 30 min | 124.1 | Feeder hang-up. Started gas burners, adjusted airflow, modified feed rate. |
| 16-Jun 22:00 | 30 min | 122.0 | Feeder hang-up. Stabilized without action required. |
| 18-Jun 10:00 | 30 min | 101.6 | Stabilized without action required. |
| 21-Jun 12:00 | 30 min | 109.5 | Started gas burners, adjusted airflow. |
| 22-Jun 08:30 | 30 min | 102.3 | Started gas burners, adjusted airflow, modified feed rate. |

| | | | |
|--------------|--------|-------|---|
| 28-Jun 08:00 | 30 min | 106.8 | Volatile fuel. Started gas burners, adjusted airflow, modified feed rate. |
| 28-Jun 09:00 | 30 min | 135.9 | 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. 2

| Date / Time | Duration | Exceedance (mg/dscm) | Action Taken |
|--------------|----------|----------------------|--|
| 10-Jun 15:30 | 30 min | 107.4 | Started gas burners, adjusted airflow, modified feed rate. |
| 14-Jun 08:00 | 30 min | 100.1 | Adjusted airflow, modified feed rate. |
| 18-Jun 10:30 | 30 min | 224.4 | Started gas burners, adjusted airflow, modified feed rate, checked instrumentation. |
| 21-Jun 23:30 | 30 min | 144.9 | Forced draft fan trip, started gas burners, adjusted airflow, modified feed rate. |
| 23-Jun 21:30 | 30 min | 166.4 | Volatile fuel. Started gas burners, adjusted airflow, modified feed rate, checked instrumentation. |
| 28-Jun 09:30 | 30 min | 157.2 | 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 |
|--------------|----------|----------------------|---|
| 16-Jun 13:30 | 30 min | 115.2 | Started gas burners, adjusted airflow, modified feed rate. |
| 30-Jun 15:30 | 30 min | 175.9 | Started gas burners, adjusted airflow, modified feed rate, checked instrumentation. |

2.c. Transient Conditions

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

| Unit | Duration | Date | Time | |
|---|-------------|-----------|-------------|--|
| #1 | 3 hrs 2 min | 21-Jun-22 | 19:01-22:03 | |
| Cause | | | | |
| Auxiliary burners on unit 1 were unavailable to maintain the secondary combustion zone temperature during boiler shutdown period. | | | | |
| Unit 1 was placed in shutdown mode at 2022-06-21 at 19:01 due a BC Hydro power interruption which impacted all three boilers. The Provincial Boiler Vessel Safety Act and the Provincial Gas Act require a boiler purge following the restart of the combustion fans. The auxiliary burners were unavailable for a period of 3 hrs 2 min between 2022-06-21 19:01 and 2022-06-21 22:03. | | | | |
| Action Taken to Restore Steady State Conditions | | | | |
| Covanta restarted the induced and forced draft fans after the power was restored. The natural gas burners were back online at 2022-06-21 22:03. The shutdown was completed at 2022-06-21 22:17. | | | | |
| Remedial Action Planned and/or Taken | | | | |
| None | | | | |

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

| Unit | Duration | Date | Time | |
|--|--------------|-----------|-------------|--|
| #2 | 3 hrs 46 min | 21-Jun-22 | 19:01-22:47 | |
| Cause | | | | |
| Auxiliary burners on unit 2 were unavailable to maintain the secondary combustion zone temperature during boiler shutdown period. | | | | |
| Unit 2 was placed in shutdown mode at 2022-06-21 19:01 due to a BC Hydro power interruption which impacted all three boilers. The Provincial Boiler Vessel Safety Act and the Provincial Gas Act require a boiler purge following the restart of the combustion fans. The auxiliary burners were unavailable for a period of 3 hrs 46 min between 2022-06-21 19:01 and 2022-06-21 22:47. | | | | |
| Action Taken to Restore Steady State Conditions | | | | |
| Covanta restarted the induced and forced draft fans after the power was restored. The natural gas burners were back online at 2022-06-21 22:47. The shutdown was completed at 2022-06-21 23:03. | | | | |
| Remedial Action Planned and/or Taken | | | | |
| None | | | | |

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

| Unit | Duration | Date | Time | |
|---|--------------|-----------|-------------|--|
| #3 | 2 hrs 45 min | 21-Jun-22 | 19:01-21:46 | |
| Cause | | | | |
| Auxiliary burners on unit 3 were unavailable to maintain the secondary combustion zone temperature during boiler shutdown period. | | | | |
| Unit 3 was placed in shutdown mode at 2022-06-21 19:01 due to a BC Hydro power interruption which impacted all three boilers. The Provincial Boiler Vessel Safety Act and the Provincial Gas Act require a boiler purge following the restart of the combustion fans. The auxiliary burners were unavailable for a period of 2 hr 45 min between 2022-06-21 19:01 and 2022-06-21 21:46. | | | | |
| Action Taken to Restore Steady State Conditions | | | | |
| Covanta restarted the induced and forced draft fans after the power was restored. The natural gas burners were back online at 2022-06-21 21:46. The shutdown was completed at 2022-06-21 22:01. | | | | |
| Remedial Action Planned and/or Taken | | | | |
| None | | | | |

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

| Unit | Duration | Date | Time | |
|--|--------------|-----------|-------------|--|
| #1 | 2 hrs 54 min | 26-Jun-22 | 09:01-11:55 | |
| Cause | | | | |
| Auxiliary burners on unit 1 were unavailable to maintain the secondary combustion zone temperature during boiler shutdown period. | | | | |
| Unit 1 was placed in shutdown mode at 2022-06-21 at 09:01 due a BC Hydro power interruption which impacted all three boilers. The Provincial Boiler Vessel Safety Act and the Provincial Gas Act require a boiler purge following the restart of the combustion fans. The auxiliary burners were unavailable for a period of 2 hrs 54 min between 2022-06-26 09:01 and 2022-06-26 11:55. | | | | |
| Action Taken to Restore Steady State Conditions | | | | |
| Covanta restarted the induced and forced draft fans after the power was restored. The natural gas burners were back online at 2022-06-26 11:55. The shutdown was completed at 2022-06-26 12:13. | | | | |
| Remedial Action Planned and/or Taken | | | | |
| None | | | | |

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

| Unit | Duration | Date | Time | |
|---|-------------|-----------|-------------|--|
| #2 | 3 hr 14 min | 26-Jun-22 | 09:01-12:15 | |
| Cause | | | | |
| Auxiliary burners on unit 2 were unavailable to maintain the secondary combustion zone temperature during boiler shutdown period. | | | | |
| Unit 2 was placed in shutdown mode at 2022-06-26 09:01 due to a BC Hydro power interruption which impacted all three boilers. The Provincial Boiler Vessel Safety Act and the Provincial Gas Act require a boiler purge following the restart of the combustion fans. The auxiliary burners were unavailable for a period of 3 hr 14 min between 2022-06-26 09:01 and 2022-06-26 12:15. | | | | |
| Action Taken to Restore Steady State Conditions | | | | |
| Covanta restarted the induced and forced draft fans after the power was restored. The natural gas burners were back online at 2022-06-26 12:15. The shutdown was completed at 2022-06-26 12:33. | | | | |
| Remedial Action Planned and/or Taken | | | | |
| None | | | | |

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

| Unit | Duration | Date | Time | |
|---|-------------|-----------|-------------|--|
| #3 | 4 hr 38 min | 26-Jun-22 | 09:01-13:39 | |
| Cause | | | | |
| Auxiliary burners on unit 3 were unavailable to maintain the secondary combustion zone temperature during boiler shutdown period. | | | | |
| Unit 3 was placed in shutdown mode at 2022-06-26 09:01 due to a BC Hydro power interruption which impacted all three boilers. The Provincial Boiler Vessel Safety Act and the Provincial Gas Act require a boiler purge following the restart of the combustion fans. The auxiliary burners were unavailable for a period of 4 hr 38 min between 2022-06-26 09:01 and 2022-06-26 13:39. | | | | |
| Action Taken to Restore Steady State Conditions | | | | |
| Covanta restarted the induced and forced draft fans after the power was restored. The natural gas burners were back online at 2022-06-26 13:39. The shutdown was completed at 2022-06-26 13:55. | | | | |
| Remedial Action Planned and/or Taken | | | | |
| None | | | | |

3. CEMS Availability

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

4. Shutdown Report

Unit 1

| Duration in Hours | Reason | Date |
|-------------------|--------------------------------|------------|
| 20.80 | Economizer tube leak | June 3-4 |
| 3.09 | Ash discharger plugged | June 10-11 |
| 1.92 | Water filtration pumps tripped | June 11 |
| 0.13 | Siftings flap plugged | June 14 |
| 3.13 | BC Hydro power interruption | June 21 |
| 3.13 | BC Hydro power interruption | June 26 |
| 1.07 | Fabric filter bag replacement | June 28 |

Unit 2

| Duration in Hours | Reason | Date |
|-------------------|--------------------------------|---------|
| 2.30 | Induced draft fan trip | June 6 |
| 3.10 | Induced draft fan repairs | June 7 |
| 1.82 | Water filtration pumps tripped | June 11 |
| 3.90 | BC Hydro power interruption | June 21 |
| 3.57 | BC Hydro power interruption | June 26 |

Unit 3

| Duration in Hours | Reason | Date |
|-------------------|--------------------------------|---------|
| 2.32 | Water filtration pumps tripped | June 11 |
| 2.87 | BC Hydro power interruption | June 21 |
| 4.83 | BC Hydro power interruption | June 26 |

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 | 19,623 | | |
| Waste Processed | tonnes/day | 234 | 238 | 240 |
| Maximum Waste Processed | tonnes/day | 247 | 246 | 248 |
| Natural Gas Consumed | | | | |
| | m ³ /day | 1,612 | | |
| | m ³ /month | 48,373 | | |
| Fly ash disposed | tonnes | 863 | | |
| Bottom ash disposed | tonnes | 3,022 | | |

7. Complaints and Responses

| Date/Time | Complaint | Action Taken |
|-----------|-----------|--------------|
| | | |

June 2022 - 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 |
| 6/1/22 | 152 | 9.8 | 32 | 127.9 | 22.8 | 0.02 | 1.66 | 939 | 141 | 9.8 | 23.2 | 128.5 | 28.4 | 0.07 | 0.83 | 929 | 152 | 10.1 | 52.3 | 127.2 | 25.7 | 0.11 | 0.21 | 912 |
| 6/2/22 | 150 | 9.8 | 36.3 | 129 | 19.1 | 0.01 | 1.73 | 952 | 139 | 9.9 | 28.9 | 126.8 | 22.6 | 0.05 | 1.01 | 926 | 154 | 9.9 | 46.2 | 132.3 | 25.3 | 0.14 | 0.20 | 921 |
| 6/3/22 | | | | | | | | | 140 | 9.9 | 24.4 | 125.9 | 21.8 | 0.07 | 0.33 | 929 | 151 | 9.9 | 43.1 | 125.5 | 28 | 0.11 | 0.26 | 927 |
| 6/4/22 | 156 | 9.4 | 51.3 | 131.3 | 28.2 | 0.08 | 0.36 | 950 | 139 | 9.8 | 23.5 | 129.1 | 22.3 | 0.07 | 0.38 | 937 | 153 | 9.8 | 51.2 | 128.5 | 24.2 | 0.15 | 0.30 | 933 |
| 6/5/22 | 152 | 9.4 | 43 | 128.7 | 26.6 | 0.02 | 0.26 | 943 | 137 | 9.9 | 26.3 | 126.4 | 20.3 | 0.08 | 0.23 | 918 | 150 | 9.8 | 46.1 | 129 | 22.5 | 0.15 | 0.28 | 921 |
| 6/6/22 | 154 | 9.7 | 39.9 | 129.1 | 35.4 | 0.02 | 0.34 | 930 | 138 | 9.9 | 21 | 123.7 | 31 | 0.08 | 0.35 | 916 | 150 | 9.8 | 41.9 | 127.8 | 25 | 0.08 | 0.28 | 920 |
| 6/7/22 | 155 | 9.7 | 67.2 | 128.7 | 31.9 | 0.02 | 0.37 | 935 | 140 | 9.8 | 34.5 | 130.2 | 22.6 | 0.07 | 0.38 | 929 | 151 | 9.9 | 50.1 | 130 | 22.3 | 0.11 | 0.35 | 933 |
| 6/8/22 | 155 | 9.4 | 32.6 | 129.8 | 18.9 | 0.02 | 0.54 | 944 | 139 | 9.8 | 13 | 127.2 | 18.7 | 0.07 | 0.30 | 926 | 151 | 9.9 | 32.6 | 129.6 | 18.7 | 0.09 | 0.39 | 928 |
| 6/9/22 | 157 | 9.9 | 40.6 | 134.1 | 20.4 | 0.02 | 0.35 | 943 | 140 | 9.8 | 25.3 | 130.7 | 21.5 | 0.07 | 0.45 | 931 | 150 | 9.8 | 43.6 | 132.4 | 18.8 | 0.15 | 0.33 | 921 |
| 6/10/22 | 155 | 9.7 | 34.8 | 130.6 | 27.8 | 0.04 | 0.38 | 930 | 140 | 9.7 | 26.6 | 132.8 | 28.5 | 0.07 | 0.33 | 939 | 151 | 9.6 | 43.5 | 130.5 | 24.2 | 0.15 | 0.27 | 931 |
| 6/11/22 | 150 | 9.3 | 41.3 | 132 | 22.9 | 0.05 | 0.46 | 936 | 140 | 9.9 | 22.1 | 128.5 | 22.7 | 0.06 | 0.30 | 921 | 152 | 9.2 | 51.5 | 132 | 21.4 | 0.13 | 0.35 | 931 |
| 6/12/22 | 151 | 9.1 | 42 | 132.4 | 23.5 | 0.02 | 0.50 | 941 | 141 | 9.7 | 24.9 | 128.3 | 21.3 | 0.05 | 0.21 | 941 | 152 | 9 | 49.4 | 130.5 | 16.6 | 0.07 | 0.33 | 950 |
| 6/13/22 | 151 | 9.7 | 42.7 | 133.8 | 24.4 | 0.21 | 0.53 | 934 | 140 | 9.9 | 29.8 | 130 | 23.4 | 0.34 | 0.08 | 928 | 153 | 9.5 | 46.8 | 133.3 | 20.2 | 0.09 | 0.35 | 926 |
| 6/14/22 | 150 | 9.1 | 46 | 131.6 | 34.5 | 0.02 | 0.61 | 933 | 140 | 9.8 | 32.6 | 129.5 | 20.4 | 0.06 | 0.04 | 935 | 151 | 9.4 | 58.4 | 131 | 27.3 | 0.01 | 0.47 | 938 |
| 6/15/22 | 151 | 9.6 | 43.6 | 131.9 | 36.8 | 0.03 | 0.70 | 920 | 140 | 10.1 | 34.3 | 131.2 | 19.2 | 0.17 | 0.41 | 928 | 152 | 9.8 | 47.5 | 134 | 22.8 | 0.05 | 0.48 | 921 |
| 6/16/22 | 152 | 9.6 | 34 | 134.9 | 41.4 | 0.06 | 0.87 | 908 | 143 | 10.1 | 28.4 | 128.7 | 26.9 | 0.06 | 0.33 | 922 | 153 | 9.5 | 46.7 | 131.7 | 26.4 | 0.21 | 0.54 | 938 |
| 6/17/22 | 154 | 9.3 | 44 | 128.1 | 38.7 | 0.00 | 1.03 | 924 | 142 | 9.9 | 29 | 127.8 | 29.2 | 0.06 | 0.28 | 932 | 153 | 9.3 | 46.3 | 130.7 | 21.2 | 0.13 | 0.46 | 936 |
| 6/18/22 | 153 | 9 | 52.8 | 126.3 | 32.4 | 0.00 | 1.14 | 943 | 142 | 10 | 47.4 | 128.2 | 30.4 | 0.05 | 0.31 | 948 | 153 | 9.3 | 59.9 | 134.1 | 20.1 | 0.11 | 0.53 | 941 |
| 6/19/22 | 156 | 9.4 | 64.5 | 128 | 21.3 | 0.00 | 1.02 | 937 | 143 | 10.5 | 47.9 | 130.5 | 28 | 0.11 | 0.35 | 930 | 155 | 9.6 | 61 | 139.1 | 18 | 0.11 | 0.52 | 942 |
| 6/20/22 | 153 | 9.3 | 37.1 | 126.1 | 25 | 0.00 | 0.70 | 920 | 140 | 10.2 | 24.1 | 125 | 25.5 | 0.04 | 0.15 | 951 | 151 | 9.6 | 41.7 | 132.6 | 22.7 | 0.09 | 0.47 | 931 |
| 6/21/22 | 149 | 9.6 | 37.3 | 127.4 | 33.8 | 0.06 | 0.76 | 917 | 138 | 10.3 | 35.4 | 127.6 | 30.3 | 0.23 | 0.10 | 936 | 150 | 9.9 | 70.2 | 136.4 | 26.9 | 0.12 | 0.52 | 924 |
| 6/22/22 | 150 | 9.6 | 23.1 | 125.5 | 43.7 | 0.03 | 0.76 | 908 | 137 | 10.4 | 19.6 | 129.4 | 27.9 | 0.14 | 0.02 | 941 | 151 | 9.7 | 37.3 | 131 | 30.6 | 0.12 | 0.48 | 919 |
| 6/23/22 | 150 | 9.1 | 30.6 | 123.8 | 34.6 | 0.00 | 0.90 | 928 | 139 | 10 | 21.6 | 131.7 | 31 | 0.09 | 0.06 | 928 | 151 | 9.1 | 42 | 135.9 | 26.4 | 0.04 | 0.58 | 918 |
| 6/24/22 | 152 | 9.6 | 34.7 | 127.2 | 31.9 | 0.01 | 0.94 | 927 | 139 | 10.2 | 25.2 | 129.7 | 23.4 | 0.08 | 0.27 | 936 | 152 | 9.6 | 43.8 | 134.2 | 24 | 0.11 | 0.60 | 924 |
| 6/25/22 | 153 | 9.5 | 38.4 | 128.1 | 25.2 | 0.03 | 1.08 | 924 | 139 | 10 | 22 | 129 | 14.9 | 0.02 | 0.10 | 944 | 150 | 9.4 | 48.4 | 134.5 | 25 | 0.13 | 0.52 | 923 |
| 6/26/22 | 149 | 9.3 | 39.9 | 125.7 | 25.9 | 0.00 | 1.07 | 937 | 138 | 10 | 23.2 | 128.4 | 22 | 0.01 | 0.00 | 952 | 150 | 9.2 | 43.9 | 130.3 | 20.5 | 0.12 | 0.49 | 940 |
| 6/27/22 | 152 | 9.3 | 36.8 | 125.5 | 26.6 | 0.00 | 1.42 | 931 | 139 | 10 | 23.7 | 128.3 | 21.5 | 0.07 | 0.20 | 923 | 150 | 9.2 | 39.9 | 132.7 | 23.9 | 0.12 | 0.51 | 927 |
| 6/28/22 | 151 | 9.8 | 54.5 | 126.5 | 37.8 | 0.05 | 1.25 | 929 | 138 | 10.2 | 43 | 128.9 | 26.7 | 0.12 | 1.16 | 935 | 149 | 9.5 | 52 | 130.2 | 25.3 | 0.07 | 0.60 | 933 |
| 6/29/22 | 151 | 9.4 | 52.7 | 126.3 | 27.6 | 0.00 | 1.11 | 949 | 138 | 10 | 38.9 | 130 | 23.5 | 0.08 | 0.24 | 945 | 150 | 9.2 | 45.3 | 130.4 | 22.4 | 0.04 | 0.60 | 937 |
| 6/30/22 | 150 | 9.2 | 35.2 | 125.3 | 23.8 | 0.12 | 1.08 | 941 | 139 | 9.8 | 28.6 | 127.4 | 21.2 | 0.07 | 0.24 | 942 | 151 | 9.1 | 38.8 | 131.3 | 29.5 | 0.02 | 0.61 | 917 |
| Average | 152 | 9.5 | 41.7 | 128.8 | 29.1 | 0.03 | 0.82 | 933 | 139.6 | 10.0 | 28.3 | 128.6 | 24.2 | 0.09 | 0.31 | 933.3 | 151.4 | 9.6 | 59.0 | 131.6 | 23.5 | 0.10 | 0.43 | 928.8 |
| Min | 149 | 9.0 | 23.1 | 123.8 | 18.9 | 0.00 | 0.26 | 908 | 137.0 | 9.7 | 13.0 | 123.7 | 14.9 | 0.01 | 0.00 | 916.0 | 149.0 | 9.0 | 32.6 | 125.5 | 16.6 | 0.01 | 0.20 | 912.0 |
| Max | 157 | 9.9 | 67.2 | 134.9 | 43.7 | 0.21 | 1.73 | 952 | 143.0 | 10.5 | 47.9 | 132.8 | 31.0 | 0.34 | 1.16 | 952.0 | 155.0 | 10.1 | 388.0 | 139.1 | 30.6 | 0.21 | 0.61 | 950.0 |
| St Dev | 2.2 | 0.25 | 9.74 | 2.94 | 6.81 | 0.04 | 0.40 | 11.4 | 1.54 | 0.20 | 8.04 | 1.94 | 4.15 | 0.06 | 0.27 | 9.42 | 1.40 | 0.30 | 62.58 | 2.84 | 3.40 | 0.04 | 0.13 | 8.91 |

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.