

Metro Vancouver (MV) Activity Report
Parkland Refining / North Burnaby Community Advisory Panel (CAP)
CAP Meeting 2023

Date: Wednesday, June 14, 2023

Reporting Period: February 16, 2023 – May 31, 2023

Overview of MV Update Content

Metro Vancouver has the regulatory authority specific to the discharge of air contaminants and management of non-domestic waste to sewer within the region. The Parkland Burnaby refinery has both an air discharge permit and liquid waste discharge permit that we administer. Both the permits have extensive monitoring and reporting requirements.

Typically, our summary at CAP is a snapshot of some of the activities related to the administration of the permits conducted since the last CAP reporting period. Topics can include:

- Site Inspections
- Summary of air quality complaints
- Odour surveys
- Response to specific Incidents (i.e. Parkland Advisories)
- Regional air quality management initiatives such as Bylaw development.

1. Parkland Refinery Notifications to Metro Vancouver

Number of Notifications	Details
2022 Total	117 notifications, 7 Level One notification
37*	- 6 Ambient monitoring station interruptions. - 22 Flaring events** - 6 Stale data notices - 1 FCC permit limit exceedance – April 1/23 1 hr. opacity exceedance during FCC start-up. - 2 Level One Notifications – Elevated Flare due to unplanned shutdown - no notifications regarding sewer discharge.

* Notifications from Feb. 16 to May 30, 2023

** Flaring event is defined as flaring in excess of 50 m³/min hour – to hour or any instances of SRU bypass of acid or sour gas to flare.

2. Air Quality Complaints Received by Metro Vancouver

Month/Year	Complaints	Confirmed	Comments
2022 Total	114	107	
February 2023*	2	2	2 rotten fish odours.
March 2023	21	20	2 oily sewer, 11 petroleum, 3 rotten egg, 3 fish, 1 chlorine odour and 1 ammonia complaint.

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April 2023	18	16	12 oily sewer, 2 petroleum, 2 rotten egg odour complaints
May 2023	9	8	2 oily sewer, 3 petroleum, 1 bleach, and 2 ammonia complaints.

*Feb. 16 - 28/23

3. Odour Surveys Conducted by Metro Vancouver

Date	Activity
2022 Total	6 odour surveys.
February 2023*	No odour surveys
March 2023	3 odour surveys
April 2023	no odour surveys
May 2023	2 odour surveys

*Feb. 16 - 28/23

4. Site Inspections/Meetings between Metro Vancouver and Parkland

Date	Activity
2022 Total	6 inspections/monitoring audits, 13 meetings with Parkland staff.
March 2023	One meeting, no inspection/monitoring audits
April 2023	One meeting, no inspection/monitoring audit
May 2023	Two meetings, one inspection/monitoring audit.

5. Parkland Liquid Waste Permit

Date	Activity
2022 Total	Three exceedances*. July 7 th TSS exceedance, Dec. 22 Phenol + BOD exceedances.
1 st Quarter 2023	Feb. 8, 2023 – 3 consecutive hours of pH readings below 6.0

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6. SOx Curtailment Events Reported to Metro Vancouver

Date	Activity
2022	None
2023	None to date.

Parkland Air Quality Permit (GVA01217) Update

Parkland withdrew their permit amendment application to authorize discharge of air contaminants from their proposed Renewable Diesel (RD) Plant at the refinery.