

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

Date: Wednesday, November 15, 2023

Reporting Period: June 1, 2023 – October 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*	- 4 Ambient monitoring station interruptions. - 17 Flaring events** (26 hours >50m ³ /min) - 2 Stale data notices - 5 Level One Notifications – Elevated Flare due to unplanned shutdowns

* Notifications from June 1 – Oct. 31, 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	
June 2023	16	16	9 oily sewer, 3 petroleum, 3 sulfurous, 1 visible PM.
July 2023	7	7	5 petroleum, 1 sulfurous, 1 chlorine.
August 2023	6	6	1 petroleum, 1 sulfurous, 4 chlorine/chemical exhaust
September 2023	8	6	1 petroleum, 5 bleach/fish/chemical.
October 2023	8	8	1 petroleum, 6 bleach/fish/chemical, 1 ammonia

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

3. Odour Surveys Conducted by Metro Vancouver

Date	Activity
2022 Total	6 odour surveys.
June 2023	2 odour surveys
July 2023	2 odour surveys
August 2023	no odour surveys
September 2023	no odour surveys
October 2023	2 odour surveys

4. Site Inspections/Meetings between Metro Vancouver and Parkland

Date	Activity
2022 Total	6 inspections/monitoring audits, 13 meetings with Parkland staff.
June 2023	One meeting, one inspection/monitoring audit
July 2023	One meeting, no inspection/monitoring audit
August 2023	Two meetings, one inspection/monitoring audit
September 2023	One meeting, one inspection/monitoring audit
October 2023	One meeting, 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.
3 rd Quarter 2023	No exceedances

6. SOx Curtailment Events Reported to Metro Vancouver

Date	Activity
2022	None
2023	None to date.

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

Parkland Air Quality Permit (GVA01217) Update

Additional reporting requirements added to Parkland's new permit that are currently under review:

- Requirements to assess flaring and Sulphur Recovery Unit (SRU) bypasses to further identify opportunities to reduce emissions from flaring;
 - Quarterly reporting of flare activities in the previous quarter.
 - Detailed reports to be provided within 21 days of all SRU bypasses of acid or sour gas to the flare.
 - Flare Dispersion Model Report approved on August 22, 2023.
 - Flare Minimization Plan outlining Parkland's plan to minimize emissions from flaring activities. The plan was first submitted by Parkland on May 30, 2023 and last review by MV staff on September 28, 2023. District Director approval is pending final outcome of the revised plan review.

- Ambient Air Quality Monitoring Plan. MV staff completed their final review of Parkland's plan on October 3, 2023 and are now awaiting Parkland's submission of the finalized plan for review and approval by the District Director.

- Parkland's annual CEMs audit is now conducted by Global Analyzer Systems Ltd. and was submitted on October 31, 2023. The audit report is currently under review by MV staff.

- Parkland's requirement to install an ambient monitoring station on the North Shore is due December 31, 2023. Parkland and MV staff are currently in discussions surrounding data sharing and how best to make this available to the public.