

Metro Vancouver (MV) Activity Report
Parkland Refining / North Burnaby Community Advisory Panel (CAP)
CAP Meeting 2024

Date: Wednesday, June 19, 2024

Reporting Period: November 1, 2023 – May 31, 2024

Overview of MV Update Content

Metro Vancouver has 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 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

Notification Type	Jan*	Feb	Mar	Apr	May
DGIR					1
Operation Updates		18	34	1	
Level One					
Level Two					
MV Station Interruption			1	1	
Flaring Events**		3	11	6	5
FCC Exceedance		3	4	1	
SRU Exceedance (hrs)				5	1
Stale Data		1	4	1	5

* No details on January notifications are available at present due to an ongoing investigation

** 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.

Metro Vancouver (MV) Activity Report
Parkland Refining / North Burnaby Community Advisory Panel (CAP)
CAP Meeting 2024

2. Air Quality Complaints Received by Metro Vancouver

2023 Total Complaints: 138 Confirmed: 132
 2024 Complaints

Complaint Type	Jan*	Feb	Mar	Apr	May
Oily Sewer			1	1	
Petroleum		9	15	18	7
Sulfur/Rotten Egg		2			
Fishy/Chlorine/Chemical		4	3	1	
PM/ Visible Smoke			5		
Total	>150	15	23	19	7
Total Confirmed		10	19	18	7

* No details on January complaints are available at present due to an ongoing investigation

3. Odour Surveys Conducted by Metro Vancouver

Date	Activity
2023 Total	12 odour surveys.
2024	
January	3 odour surveys
February	no odour surveys
March	one odour survey
April	one odour survey
May	no odour surveys

4. Site Inspections/Meetings between Metro Vancouver and Parkland

Date	Activity
2023 Total	13 meetings, 5 inspections/audits.
2024	
January	Three meetings, one inspection/audit
February	One meeting, no inspections/audits
March	One meeting, no inspections/audits
April	Two meetings, one inspection/audit
May	One meeting, one inspection/audit

**Metro Vancouver (MV) Activity Report
Parkland Refining / North Burnaby Community Advisory Panel (CAP)
CAP Meeting 2024**

5. Parkland Liquid Waste Permit

Date	Activity
2023 Total	Two exceedances. Feb. pH exceedance, Dec. Fish toxicity exceedance.
1 st Quarter 2024	No exceedances

6. SOx Curtailment Events Reported to Metro Vancouver

Date	Activity
2023	None
2024	None to date.

Parkland Air Quality Permit (GVA1217) Update

Additional reporting requirements in Parkland’s current permit, issued on July 28, 2022, 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. Next report due August 31, 2024.
 - Flare Minimization Plan outlining Parkland’s plan to minimize emissions from flaring activities. The final plan was submitted on November 20, 2023 and approved by the District Director on January 19, 2024.
 - Annual Air Quality Complaint Management Plan submitted on March 29, 2024. District Director approval is pending final outcome of the revised plan review.
 - Flare Minimization Report submitted on May 31, 2024. Currently under review by Metro Vancouver staff.

- 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 requirement to install an ambient monitoring station on the North Shore is due December 31, 2024. Parkland and MV staff are currently in discussions surrounding data sharing and how best to make this available to the public.