

Metro Vancouver (MV) Activity Report
Parkland Refining / North Burnaby Community Advisory Panel (CAP)
CAP Meeting 2022

Date: Wednesday, March 30, 2022

Reporting Period: December 1, 2021 through March 30, 2022

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
2021 Total	95 notifications, 6 Level One notification
39*	8 notifications regarding acid gas to flare/SRU. 4 high flare flow notification (> 50m3/min) 2 SRU permit exceedance (>5000 mg/m3) – Dec. 27 & 28/21 13 notification regarding sewer discharge. 10 notifications regarding stale data exceeding 4 hours (3 in Dec., 1 in Jan., 6 in Mar.). 2 Level One Notifications – High flaring (Dec. 8/21 elevated flaring during startup after TM pipeline shutdown and Dec. 27/21 elevated flaring due to freezing temperatures).

*December 1, 2021 – March 25, 2022

2. Air Quality Complaints Received by Metro Vancouver

Month/Year	Complaints	Confirmed	Comments
2021 Total	129	120	
January 2022	7	7	4 oily sewer, 3 petroleum odours
February 2022	11	11	4 oily sewer, 6 petroleum, 1 rotten egg odours
March 2022*	10	10	4 oily sewer, 6 petroleum odours

*March 1 – March 25, 2022 inclusive

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3. Odour Surveys Conducted by Metro Vancouver

Date	Activity
2021 Total	5 odour surveys.
January 2022	No odour surveys
February 2022	No odour surveys
March 2022	No odour surveys

4. Site Inspections/Meetings between Metro Vancouver and Parkland

Date	Activity
2021 Total	4 inspections/monitoring audits, 14 meetings with Parkland staff.
January 2022	One meeting, no inspections/monitoring audits
February 2022	One meeting, one inspections/monitoring audits
March 2022	One meeting, no inspections/monitoring audits.

5. Parkland Liquid Waste Permit

Date	Activity
2021 Total	One exceedance. Instantaneous flow limit exceedance
2022	None to date.

6. SOx Curtailment Events Reported to Metro Vancouver

Date	Activity
2021 Total	One – December 28/21 (0100-0200hrs & 0300 – 0400hrs)
2022	None to date.

Parkland Air Quality Permit (GVA0117) Update

Parkland Refining’s permit was amended on January 27, 2021. The amendment was an 18-month extension of their permit term to allow for completion of Phase One and Two of the Refined Technology Assessment and supporting dispersion modelling.

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- All Technology Assessment reports required in Parkland’s current permit have been submitted and reviewed by Metro Vancouver staff.
- February 2, 2022- Parkland’s final application for a new permit was considered complete by Metro Vancouver staff. Under Public Notification Regulation B.C. Reg. 202/94, Parkland Refining was directed to publish an Environmental Protection Notice.
- Parkland Refining’s Public Notification is currently underway. 30-day time period to provide written comments for District Director consideration ends on April 9, 2022. Written comments received after April 9th will still be considered up until a decision is made by the District Director.
- January 31, 2022 – Parkland submitted the final Human Health Risk Assessment (HHRA) report in support of Parkland’s permit application. Results of the HHRA were presented by Parkland’s consultant during a public information session on March 10, 2022.
- Metro Vancouver staff are currently conducting a technical review of Parkland’s final application and HHRA. The results of the technical review will help inform a permit recommendation for the District Director’s consideration.