

**Metro Vancouver (MV) Activity Report
Parkland Refining / North Burnaby Community Advisory Panel (CAP)
CAP Meeting 2021**

Date: Wednesday, September 15, 2021

Reporting Period: June 1, 2021 through August 31, 2021

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
2020 Total	49 notifications, 1 Level One notification
27*	2 notifications regarding acid gas to flare/SRU. 1 high flare flow notification (> 50m3/min) 1 SRU permit exceedance (>5000 mg/m3) – August 26/21 18 notification regarding sewer discharge. 5 notifications regarding stale data exceeding 4 hours (7 in July, 1 in August).

*May 31, 2021 – August 31, 2021

2. Air Quality Complaints Received by Metro Vancouver

Month/Year	Complaints	Confirmed	Comments
Total 2020	141	129	
June 2021	11	9	7 oily sewer, 2 petroleum odours
July 2021	7	7	1 oily sewer, 6 petroleum odours
August 2021	4	4	1 oily sewer, 3 petroleum odours

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3. Odour Surveys Conducted by Metro Vancouver

Date	Activity
2020 Total	Eleven odour surveys.
June 2021	One odour survey
July 2021	No odour surveys
August 2021	No odour surveys

4. Site Inspections/Meetings between Metro Vancouver and Parkland

Date	Activity
2020	4 inspections/monitoring audits, 14 meetings with Parkland staff.
June 2021	Two meeting, one inspections/monitoring audits
July 2021	One meetings, one inspections/monitoring audits
August 2021	One meeting, no inspections/monitoring audits.

5. Parkland Liquid Waste Permit

Date	Activity
2020	Three exceedances. 2 fish toxicity, one cyanide exceedance.
2021	No exceedances reported to date.

6. SOx Curtailment Events Reported to Metro Vancouver

Date	Activity
2020	None
2021	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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- Phase One (Refined Technology Capital Solutions) report and supporting dispersion modelling was reviewed to Metro Vancouver staff on April 28, 2021
- August 11, 2021- Parkland submitted an application for a new permit that will be subject to Public Notification Regulation requirements once finalized.
- August 12, 2021 – Parkland submitted a Human Health Risk Assessment Workplan for Metro Vancouver as well as Fraser Health Authority review. Workplan was accepted on August 20, 2021
- August 31, 2021 – Parkland submitted Phase Two (Refined Technology – Non Capital Solutions) report and supporting dispersion modelling. Currently under review by Metro Vancouver staff.