

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

**Date: Wednesday, December 8, 2021**

**Reporting Period: September 1, 2021 through November 30, 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	<b>49 notifications, 1 Level One notification</b>
23*	5 notifications regarding acid gas to flare/SRU. 5 high flare flow notification (> 50m3/min) 2 SRU permit exceedance (>5000 mg/m3) – Sept. 9, Oct. 19/21 7 notification regarding sewer discharge. 2 notifications regarding stale data exceeding 4 hours (1 in Oct. 1 in Nov.). 2 Level One Notifications – High flaring (Nov. 3 <sup>rd</sup> start-up, Nov. 22 <sup>nd</sup> – shutdown due to TMPL shutdown)

\*September 1, 2021 – November 30, 2021

**2. Air Quality Complaints Received by Metro Vancouver**

Month/Year	Complaints	Confirmed	Comments
2020 Total	141	129	
<b>September 2021</b>	5	5	1 oily sewer, 2 petroleum, 2 sulphurous odours
<b>October 2021</b>	31	12*	1 oily sewer, 10 petroleum, 1 sulphur odours
<b>November 2021</b>	4	4	1 oily sewer, 3 petroleum odours

\*19 Petroleum type odour complaints received in the early hours of October 3, 2021 are still under review. Confirmed numbers may change pending final analysis.

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**3. Odour Surveys Conducted by Metro Vancouver**

Date	Activity
2020 Total	Eleven odour surveys.
September 2021	No odour surveys
October 2021	One odour survey
November 2021	No odour surveys

**4. Site Inspections/Meetings between Metro Vancouver and Parkland**

Date	Activity
2020 Total	4 inspections/monitoring audits, 14 meetings with Parkland staff.
September 2021	One meeting, no inspections/monitoring audits
October 2021	One meeting, no inspections/monitoring audits
November 2021	One meeting, no inspections/monitoring audits.

**5. Parkland Liquid Waste Permit**

Date	Activity
2020 Total	Three exceedances. 2 fish toxicity, one cyanide exceedance.
2021	September instantaneous flow limit exceedance

**6. SOx Curtailment Events Reported to Metro Vancouver**

Date	Activity
2020 Total	None
2021	None to date.

**Parkland Air Quality Permit (GVA0117) Update**

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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.

- 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. Public Notification expected to initiate early 2022.
- 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. Reviewed by Metro Vancouver staff. Comments provided to Parkland. Revised report received on December 1, 2021. Revised report currently under review.