

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

**Date: Wednesday, March 1, 2023**

**Reporting Period: December 1, 2022 through February 15, 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	<b>117 notifications, 7 Level One notification</b>
34*	<ul style="list-style-type: none"> <li>- 1 Ambient monitoring station interruptions.</li> <li>- No Flaring events**</li> <li>- 17 (SRU Bypasses Dec. 13/22 – Jan. 4/23).</li> <li>- 11 Stale data notices (3 in Dec/22, 8 in Jan/23.)</li> <li>- 1 FCC permit limit exceedance – Jan. 10/23 1 hr. average of 567 mg/m<sup>3</sup> (Permit limit is 400 mg/m<sup>3</sup>)</li> <li>- 2 Level One Notification – Odour Investigation (Dec. 28/22), Elevated Flare due to scheduled maintenance (Jan. 20/23)</li> <li>- 2 notifications regarding sewer discharge.</li> </ul>

\* Notifications from Dec. are included in 2022 total.

\*\* Flaring event is defined as flaring in excess of 50 m<sup>3</sup>/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	<b>114</b>	<b>107</b>	
<b>December 2022</b>	<b>22</b>	<b>22</b>	5 oily sewer, 8 petroleum, 3 chlorine, 5 rotten egg, 1 rotten fish odour.

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

<b>January 2023</b>	<b>36</b>	<b>34</b>	10 oily sewer, 14 petroleum, 4 rotten egg, 4 fish and 2 chlorine odour complaints.
<b>February 2023*</b>	<b>4</b>	<b>4</b>	1 petroleum, 1 rotten egg, 2 chlorine odour complaints

\* Up to Feb. 15/23

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

Date	Activity
2022 Total	6 odour surveys.
<b>December 2022</b>	One odour survey
<b>January 2023</b>	No odour surveys
<b>February 2023</b>	One odour survey

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

Date	Activity
2022 Total	6 inspections/monitoring audits, 13 meetings with Parkland staff.
<b>December 2022</b>	One meeting, one inspection/monitoring audits
<b>January 2023</b>	One meeting, no inspection/monitoring audit
<b>February 2023</b>	Two meetings, no inspection/monitoring audit.

**5. Parkland Liquid Waste Permit**

Date	Activity
2022 Total	Three exceedances*. July 7 <sup>th</sup> TSS exceedance, Dec. 22 Phenol + BOD exceedances.
December 2022	Two exceedances to date – Dec. 22/22 Phenol = 1.3 mg/L (permit limit = 1.0 mg/L) and BOD = 130 mg/L (permit limit = 100 mg/L).

\*December 22/22 exceedance included in 2022 totals.

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

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

Date	Activity
2022	None
2023	None to date.

**Parkland Air Quality Permit (GVA01217) Update**

Parkland recently submitted a draft application to amend their air permit. The application seeks approval to authorize discharge of air contaminants from their proposed Renewable Diesel (RD) Plant at the refinery. A Dispersion modelling report was also submitted in support of the application. The draft application and modelling report are currently under review by Metro Vancouver staff.