



September 3, 2020

## Environmental Assessment Office Project Notification Follow-up Information PN-002 Parkland Burnaby Refinery

On June 29, 2020 Parkland submitted a Project Notification with the BC Provincial Environmental Assessment Office (EAO). During the public comment period, several questions and concerns were raised. Many comments were addressed directly with stakeholders during the public comment period, held on July 13 – August 14, 2020.

We appreciate the community's input into our Project Notification. Additional information for key topics raised in the comment period can be found below.

### **Status of Project Notification:**

On August 28, 2020, the EAO posted its Project Notification Report which can be found on the [EAO's website](#). The key conclusion in this report states that no further review of the PBR Project is required per Section 10(4)(c) of the Environmental Assessment Act (2018).

### **Public Engagement**

The Project Notification is the beginning of a multi-year process in project planning, development, and construction.

Public engagement is a priority for us, and there will be opportunities for the public to provide input directly to Parkland as the Project moves forward and more detailed plans are developed.

### **Community**

Parkland is a proud member of the North Burnaby community with more than 80 years of safe operations. We strive to be a good neighbour and are committed to being both proactive and responsive to community issues and interests. Parkland continues to make efforts to minimize any potential impacts of our operations on surrounding communities.

Burnaby Refinery has a strong culture of safety and undertakes many proactive activities to keep our neighbours, team members and the environment safe.

Continued traffic planning is a priority for us and for our neighbours, and further plans will be established as we work with the City to reduce and mitigate potential impacts to the community.

Community members may contact the refinery at any time with issues or concerns relating to the refinery by calling 604-257-4040 or emailing [PRBCREFINERYINFO@parkland.ca](mailto:PRBCREFINERYINFO@parkland.ca).

Our Community Advisory Panel (CAP) meets quarterly to discuss neighbourhood concerns. All meeting minutes and presentations are posted on our [website](#).



## **Environment**

Parkland adheres to applicable local, provincial and federal regulatory requirements for managing our environmental commitments.

As stated in Parkland's application to the Environmental Assessment Office (EAO), the Project would result in a 0.03% increase in facility GHG emissions, which is equivalent to adding approximately 33 cars to the road over one year.

The overall aim of the Project is to produce low carbon fuels in support of the Government of British Columbia's *Low Carbon Fuel Regulation*, leading to a net reduction in GHG emissions from transportation fuels. For example, our current low carbon fuels production is on track to remove the equivalent of 45,000 cars off the road in 2020 alone.

While expanding our use of renewable feedstocks, the addition of these tanks does not materially change our work with crude oil – there is no plan to increase crude processing capacity. All work will be undertaken within the existing footprint and rights-of-way of the Burnaby Refinery, an operating industrial site, and will undergo permitting and regulatory approvals.

## **Air Quality**

Ambient air quality is regulated by Metro Vancouver and monitored at local air monitoring stations relative to their defined Ambient Air Quality Objectives (AAQOs). As stated by the EAO, air quality (including odour management) and fugitive emissions from the tanks are addressed through Parkland's Metro Vancouver Air Quality Management Permit GVA0117.

Parkland has undertaken continuous improvements with regards to air quality. Parkland noted in our response to the EAO (see Appendix A of the EAO Report) that in 2021-2025 the refinery is planning investments to reduce criteria air contaminant emissions. More recently, Parkland's Air Permit was revised to incorporate a 16% reduction in permitted Nitrogen Oxides (NOx) and a 38% reduction in permitted Sulphur Oxides (SOx).

There will be no increases in SOx, NOx, or particulate matter emissions from the proposed new tanks. There will be a small amount of volatile organic compounds (VOC) emissions from the tank seals as the tanks undergo normal filling, emptying and venting activities. These VOC emissions are converted to CO2-equivalent GHG emissions in our provincially- and federally-mandated emissions notifications. The calculated increase is 0.03% of our facility's total annual GHG emissions, which is equivalent to adding approximately 33 cars to the road over one year. Our current low carbon fuels production is on track to remove the equivalent of 45,000 cars off the road in 2020 alone.

To minimize VOC emissions and potential odours, all existing and new tanks are required to be maintained in accordance with rigorous guidelines for controlling VOC emissions from aboveground storage tanks. For floating roof tanks, this includes specific requirements on tank seal inspections and maintenance. The refinery also has a comprehensive odour management plan that outlines a framework for odour mitigation, response and continuous improvement.

## **Safety**

Burnaby Refinery has a strong culture of safety and undertakes many proactive activities to reduce risk and manage environmental hazards. There are numerous precautionary programs and measures in place at the refinery to manage the refinery's onsite materials, products and equipment, including preventative maintenance programs, the use of automated safety systems and alarms on equipment, a fire safety plan, fugitive emissions detection and repair program



(LDAR), and firehall and emergency response equipment (see Appendix A of the EAO Report- Parkland's Safety/Emergency Response Measures). Parkland's emergency response plans are developed to meet all local, provincial and federal regulatory requirements, and we routinely practice implementing these plans at emergency response drills.

As noted in Section 5 of the EAO Notification, the refinery operates under a number of authorizations and permits related to the safe and environmentally responsible operation of refinery process equipment. Parkland is committed to working with these regulatory agencies to ensure that the Burnaby Refinery continues to meet or exceed regulatory expectations.

Public engagement is a priority for us, and we look forward to public input as this project is further developed.