

# Air Permit Extension Application

## REQUESTED EXTENSION

Parkland Refining (B.C.) Ltd. (Parkland) currently operates under air discharge permit GVA-0117 issued by Metro Vancouver. The current permit is valid until January 31st, 2021. We have applied to Metro Vancouver to extend the permit by 18 months until July 31, 2022.

## BACKGROUND AND JUSTIFICATION

As part of our current air permit issued on March 15, 2018, Parkland is carrying out extensive engineering studies to assess technologies intended to reduce our facility's emissions. While we have made good progress in the past 2 ½ years, we need to complete the remaining studies currently in progress and to finalize the selected emission reduction technologies with Metro Vancouver.

Once the technologies have been selected, Parkland can then begin the next air permit application process to implement new emission limits for the facility. Parkland recognizes that the implementation of these emissions reductions technologies will require working closely with our community and we want to make sure there is ample time for consultation. Metro Vancouver's Air Permit Application Guidance recommends that air permit applications are submitted one year in advance of the permit expiry dates, to allow sufficient time for the required review, consultation and public notification.

We are confident we can complete all of these remaining steps effectively within the requested 18 month extension.

## CONTINUOUS IMPROVEMENT IN EMISSIONS REDUCTIONS SINCE 2018

Concurrently with conducting these engineering studies, Parkland has also been working diligently, over the course of the current 3 year term of the permit, to reduce its refinery air emissions, and has achieved significant improvement milestones, including:

### Reducing emissions at the facility and in our transportation fuels

- Implementation of an air permit amendment in 2020 that reduced permitted emissions for the facility by 16% for NO<sub>x</sub> and by 38% for SO<sub>x</sub>
- As of 2020, the Burnaby Refinery is now producing gasoline per Environment and Climate Change Canada's Tier 3 low sulphur gasoline standards, which is expected to result in notable reductions in ambient SO<sub>x</sub> and smog-forming air pollutants.

### Improving monitoring of local air quality

- Parkland has agreed to invest in augmenting the existing Metro Vancouver ambient air monitoring network by adding NO<sub>x</sub>, SO<sub>x</sub>, and particulate matter monitors to existing stations close to the refinery.
- Parkland has made significant progress to establish an offsite ambient air monitoring station on the North Shore, which Parkland will install, own, and operate, and which will provide important additional data to Metro Vancouver.

### Enhancing accuracy of data for air dispersion modelling

- Parkland installed a meteorological station on its refinery site in 2018, to enhance the accuracy of air dispersion modelling results necessary for establishing new permit limits for the facility.



## PROPOSED TIMELINE



*\*Please visit Metro Vancouver's page to find details on the public consultation process [metrovancover.org/services/Permits-regulations-enforcement/permitting-notices/air-quality-notification/](https://metrovancover.org/services/Permits-regulations-enforcement/permitting-notices/air-quality-notification/)*

## FEEDBACK

Metro Vancouver will be collecting feedback as part of the consultation process for this permit extension request. To provide comment, please see contact instructions in the published notice on Metro Vancouver's website: [metrovancover.org/services/Permits-regulations-enforcement/permitting-notices/air-quality-notification/](https://metrovancover.org/services/Permits-regulations-enforcement/permitting-notices/air-quality-notification/)

## CONTACT US

We welcome your questions.  
Please don't hesitate to call or e-mail our Community Contact Line:



604.257.4040



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For more information about the Parkland Burnaby Refinery, visit [burnabyrefinery.ca](https://burnabyrefinery.ca)



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