



# Air Quality Briefing Note

**Date:** September 2, 2016  
**Issued by:** Prince George Husky Refinery  
**Agency:** Husky Energy



---

## Description

Each member of PGAIR is requested to provide an annual update on implementation activities related to the Phase III Plan. Husky Energy's relevant activities pertaining to the oil refinery located in Prince George is provided below.

### PGAIR 2016 PM 2.5 Goal

- A 40% reduction from all significant sources;
- A daily average not to exceed 25 micrograms per cubic metre of air; and
- An annual average of 5 micrograms per cubic metre of air.

## Questions

### What have you done in the last 12 months?

- Husky implemented road dust control measures by applying a calcium chloride solution which retains moisture for prolonged periods. This unique property helps to hold down dust on unpaved roads.
- Husky continued to implement a program to reduce fuel usage in its heaters through improved monitoring and control systems. Operating heaters by promoting optimal combustion conditions will reduce fuel usage and combustion gas emissions. This program aligns with Husky's strategy of continuous improvement and use of best available technology.
- Husky executed a planned refinery turnaround in the spring of 2016, where the refinery was shut down to allow inspections, maintenance and cleaning to occur. These activities will ensure ongoing efficient operation of the refinery. The turnaround also provided an opportunity to complete several small projects to improve refinery reliability and efficiency. Additionally, contractor vehicles were restricted on site during the turnaround, with many using bicycles as a means of transport, which helped reduce road dust.

**What are you planning to do in the next 12 months?**

- Husky is committed to continuous improvement, working within an environmental management system that sees the Company plan and carry out work, review and identify any improvements in the process and then implement them.
- As mentioned in past briefing notes, Husky has been working to reduce emissions for more than a decade including a 63% emission reduction in fugitive process volatile organic compounds (VOCs) and a 70% emission reduction in sulphur dioxide (SO<sub>2</sub>) from refinery sources. This is in addition to the reductions in vehicle exhaust emissions starting in the mid-2000s when sulphur in gasoline and diesel were reduced by 90% and 97% respectfully.

**What is your long-term plan to meet the 2016 goal?**

- Husky is committed to continuous improvement, working within an environmental management system that sees the Company plan and carry out work, review and identify any improvements in the process and then implement them.

**Please indicate your self-assessed progress during the past 12 months:**

Low

Medium

High