



Biannual Briefing Note

Date: November 2013

Agency: Husky Energy



Prince George Husky Refinery - Wastewater Treatment Plant Upgrade

The Prince George Husky Refinery completed a project in 2012 to improve the Refinery's wastewater treatment plant (WWTP). The project, approved by the B.C. Ministry of Environment, reduced odours and emissions entering the local air shed and provided enhanced pre-treatment of oily wastewater before being treated off-site.

Husky retained the services of a qualified industrial wastewater treatment engineering firm for the design and construction. The new facility design eliminated the need for an aeration pond and addressed both capacity and emissions issues with the following improvements:

- Covered separator for bulk separation of oil and water
- Dissolved gas flotation unit for removal of contaminants
- Hydrocarbon stripper to extract dissolved volatile hydrocarbon components
- Vapour recovery unit

The new WWTP uses a nitrogen gas blanketing system to contain odours and prevent releases to the air. Husky reduced the volatile organic compounds and total reduced sulphur emissions from wastewater treatment by more than 90 percent; as confirmed by an independent study submitted to the B.C. Ministry of Environment.



Construction Phase



Completed Facilities