



## **O. Reg. 88/22: Air Pollution – Discharge of Sulphur Dioxide from Petroleum Facilities**

**Liquid Fuel Use – February 6 to 9 and 22, 2024**

**Nanticoke Refinery, Imperial Oil**

**April 4, 2024**

## Introduction

Pursuant to subsection 41(1) paragraph 4 of O. Reg 88/22, Imperial Oil is making available to the public information relating to liquid fuel use at the Nanticoke Refinery (see Tables 1 and 2).

Table 1: Information Relating to Liquid Fuel Use at the Nanticoke Refinery

O. Reg 88/22 Requirement	Imperial Oil Information
Date(s) on which the liquid fuel was used in the combustion device(s)	February 6 to 9, 2024
Explanation of the emergency that resulted in the liquid fuel use	The Nanticoke Refinery Fluid Catalytic Cracker (FCC) shutdown resulting in a fuel gas shortage at the Nanticoke Refinery and a need to use liquid fuel to allow for continued safe refinery operations.
Measures that are available to prevent or reduce the risk of liquid fuel being used in the combustion device in similar circumstances in the future	During fuel gas shortages at the Nanticoke Refinery, liquid fuel gas burning is required to continue to maintain safe operations. Imperial Oil will continue to complete root cause analyses, to apply learnings where applicable, to prevent or reduce reoccurrence and the need to use liquid fuel.

Table 2: Information Relating to Liquid Fuel Use at the Nanticoke Refinery – TSSA Testing

O. Reg 88/22 Requirement	Imperial Oil Information
Date(s) on which the liquid fuel was used in the combustion device(s)	February 22, 2024
Explanation of the emergency that resulted in the liquid fuel use	Liquid fuel was used at the Nanticoke Refinery for routine testing of the burners in Boiler #1.
Measures that are available to prevent or reduce the risk of liquid fuel being used in the combustion device in similar circumstances in the future	Testing of the burners in Boiler #1 with liquid fuel is required to ensure they are able to operate safely in the event there is an emergency at the Nanticoke Refinery that requires the use of liquid fuel. Testing of the burners is mandated by the Technical Standards and Safety Authority (TSSA) and was completed in accordance with their requirements.