



O. Reg. 530/18: Air Pollution – Discharge of Sulphur Dioxide from Petroleum Facilities Before 2029

Sulphur Dioxide Discharged on October 24, 2024

Nanticoke Refinery, Imperial Oil

December 18, 2024

Introduction

This report is being made pursuant to subsection 6(4) of O. Reg 530/18, and provides a public posting of the amount of sulphur dioxide (SO₂) discharged from acid gas combustion equipment at Imperial Oil's Nanticoke Refinery when the sulphur recovery unit failed to operate in a normal manner on October 24, 2024.

The table below provides the hourly SO₂ discharged on October 24, 2024 and the rolling preceding 24-hour sum of SO₂ discharged.

| Hour Start | Hour End | SO₂ discharged (kg/ hr) | Rolling preceding 24 hr sum of SO₂ discharged (kg) |
|-------------------|-----------------|---|--|
| Oct 24 15:00 | Oct 24 16:00 | 190 | 190 |
| Oct 24 16:00 | Oct 24 17:00 | 127 | 317 |
| Oct 24 17:00 | Oct 24 18:00 | 0 | 317 |
| Oct 24 18:00 | Oct 24 19:00 | 0 | 317 |
| Oct 24 19:00 | Oct 24 20:00 | 0 | 317 |
| Oct 24 20:00 | Oct 24 21:00 | 0 | 317 |
| Oct 24 21:00 | Oct 24 22:00 | 0 | 317 |
| Oct 24 22:00 | Oct 24 23:00 | 0 | 317 |
| Oct 24 23:00 | Oct 25 00:00 | 0 | 317 |
| Oct 25 00:00 | Oct 25 01:00 | 0 | 317 |
| Oct 25 01:00 | Oct 25 02:00 | 0 | 317 |
| Oct 25 02:00 | Oct 25 03:00 | 0 | 317 |
| Oct 25 03:00 | Oct 25 04:00 | 0 | 317 |
| Oct 25 04:00 | Oct 25 05:00 | 0 | 317 |
| Oct 25 05:00 | Oct 25 06:00 | 0 | 317 |
| Oct 25 06:00 | Oct 25 07:00 | 0 | 317 |
| Oct 25 07:00 | Oct 25 08:00 | 0 | 317 |
| Oct 25 08:00 | Oct 25 09:00 | 0 | 317 |
| Oct 25 09:00 | Oct 25 10:00 | 0 | 317 |
| Oct 25 10:00 | Oct 25 11:00 | 0 | 317 |
| Oct 25 11:00 | Oct 25 12:00 | 0 | 317 |
| Oct 25 12:00 | Oct 25 13:00 | 0 | 317 |
| Oct 25 13:00 | Oct 25 14:00 | 0 | 317 |
| Oct 25 14:00 | Oct 25 15:00 | 0 | 317 |
| Oct 25 15:00 | Oct 25 16:00 | 0 | 127 |