



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

**Sulphur Dioxide Discharged on October 11, 2023**

**Nanticoke Refinery, Imperial Oil**

**December 12, 2023**

## 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 (SO<sub>2</sub>) 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 11, 2023.

The table below provides the hourly SO<sub>2</sub> discharged on October 11, 2023 and the rolling preceding 24-hour sum of SO<sub>2</sub> discharged.

<b>Hour Start</b>	<b>Hour End</b>	<b>SO<sub>2</sub> discharged (kg/ hr)</b>	<b>Rolling preceding 24 hr sum of SO<sub>2</sub> discharged (kg)</b>
Oct 11 11:00	Oct 11 12:00	1,153	1,153
Oct 11 12:00	Oct 11 13:00	1,920	3,074
Oct 11 13:00	Oct 11 14:00	2,175	5,249
Oct 11 14:00	Oct 11 15:00	2,160	7,409
Oct 11 15:00	Oct 11 16:00	219	7,628
Oct 11 16:00	Oct 11 17:00	129	7,757
Oct 11 17:00	Oct 11 18:00	115	7,872
Oct 11 18:00	Oct 11 19:00	316	8,187
Oct 11 19:00	Oct 11 20:00	53	8,240
Oct 11 20:00	Oct 11 21:00	0	8,240
Oct 11 21:00	Oct 11 22:00	0	8,240
Oct 11 22:00	Oct 11 23:00	0	8,240
Oct 11 23:00	Oct 12 00:00	0	8,240
Oct 12 00:00	Oct 12 01:00	0	8,240
Oct 12 01:00	Oct 12 02:00	0	8,240
Oct 12 02:00	Oct 12 03:00	0	8,240
Oct 12 03:00	Oct 12 04:00	0	8,240
Oct 12 04:00	Oct 12 05:00	0	8,240
Oct 12 05:00	Oct 12 06:00	0	8,240
Oct 12 06:00	Oct 12 07:00	0	8,240
Oct 12 07:00	Oct 12 08:00	0	8,240
Oct 12 08:00	Oct 12 09:00	0	8,240
Oct 12 09:00	Oct 12 10:00	0	8,240
Oct 12 10:00	Oct 12 11:00	0	8,240
Oct 12 11:00	Oct 12 12:00	0	7,087
Oct 12 12:00	Oct 12 13:00	0	5,167
Oct 12 13:00	Oct 12 14:00	0	2,991
Oct 12 14:00	Oct 12 15:00	0	832
Oct 12 15:00	Oct 12 16:00	0	612
Oct 12 16:00	Oct 12 17:00	0	483
Oct 12 17:00	Oct 12 18:00	0	369
Oct 12 18:00	Oct 12 19:00	0	53