



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

Sulphur Dioxide Discharged on August 29 and August 30, 2022

Nanticoke Refinery, Imperial Oil

October 28, 2022

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 when the sulphur recovery unit failed to operate in a normal manner.

The table below provides the hourly SO₂ discharged on August 29 and August 30, 2022 and the rolling preceding 24 hour sum of SO₂ discharged.

Hour Start	Hour End	SO ₂ discharged (kg/ hr)	Rolling preceding 24 hr sum of SO ₂ discharged (kg)
Aug 29 03:00	Aug 29 04:00	405	405
Aug 29 04:00	Aug 29 05:00	2,638	3,043
Aug 29 05:00	Aug 29 06:00	3,293	6,337
Aug 29 06:00	Aug 29 07:00	2,990	9,327
Aug 29 07:00	Aug 29 08:00	3,016	12,343
Aug 29 08:00	Aug 29 09:00	3,058	15,400
Aug 29 09:00	Aug 29 10:00	3,107	18,507
Aug 29 10:00	Aug 29 11:00	3,179	21,686
Aug 29 11:00	Aug 29 12:00	3,211	24,897
Aug 29 12:00	Aug 29 13:00	3,243	28,140
Aug 29 13:00	Aug 29 14:00	3,277	31,417
Aug 29 14:00	Aug 29 15:00	3,317	34,734
Aug 29 15:00	Aug 29 16:00	3,239	37,973
Aug 29 16:00	Aug 29 17:00	3,241	41,214
Aug 29 17:00	Aug 29 18:00	2,908	44,123
Aug 29 18:00	Aug 29 19:00	2,859	46,982
Aug 29 19:00	Aug 29 20:00	2,646	49,627
Aug 29 20:00	Aug 29 21:00	2,834	52,462
Aug 29 21:00	Aug 29 22:00	2,974	55,435
Aug 29 22:00	Aug 29 23:00	2,518	57,954
Aug 29 23:00	Aug 30 00:00	1,338	59,292
Aug 30 00:00	Aug 30 01:00	252	59,544
Aug 30 01:00	Aug 30 02:00	0	59,544
Aug 30 02:00	Aug 30 03:00	0	59,544
Aug 30 03:00	Aug 30 04:00	0	59,139
Aug 30 04:00	Aug 30 05:00	0	56,501
Aug 30 05:00	Aug 30 06:00	0	53,207
Aug 30 06:00	Aug 30 07:00	0	50,217
Aug 30 07:00	Aug 30 08:00	0	47,201
Aug 30 08:00	Aug 30 09:00	0	44,144
Aug 30 09:00	Aug 30 10:00	0	41,037
Aug 30 10:00	Aug 30 11:00	0	37,858

Hour Start	Hour End	SO₂ discharged (kg/ hr)	Rolling preceding 24 hr sum of SO₂ discharged (kg)
Aug 30 11:00	Aug 30 12:00	0	34,647
Aug 30 12:00	Aug 30 13:00	0	31,404
Aug 30 13:00	Aug 30 14:00	0	28,127
Aug 30 14:00	Aug 30 15:00	0	24,810
Aug 30 15:00	Aug 30 16:00	0	21,571
Aug 30 16:00	Aug 30 17:00	0	18,330
Aug 30 17:00	Aug 30 18:00	0	15,421
Aug 30 18:00	Aug 30 19:00	0	12,562
Aug 30 19:00	Aug 30 20:00	0	9,917
Aug 30 20:00	Aug 30 21:00	0	7,082
Aug 30 21:00	Aug 30 22:00	0	4,108
Aug 30 22:00	Aug 30 23:00	0	1,590
Aug 30 23:00	Aug 31 00:00	0	252
Aug 31 00:00	Aug 31 01:00	0	0