



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

Sulphur Dioxide discharged December 7th to 9th, 2021

Nanticoke Refinery, Imperial Oil

February 7th, 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 fails to operate in a normal manner.

The table below provides the hourly and rolling preceding 24 hour sum of SO₂ discharged from December 7 to 9, 2021.

Hour Start	Hour End	SO ₂ discharged (kg/hr)	Rolling preceding 24 hr sum of SO ₂ discharged (kg)
Dec 07 21:00	Dec 07 22:00	0	0
Dec 07 22:00	Dec 07 23:00	594	594
Dec 07 23:00	Dec 08 00:00	2,378	2,972
Dec 08 00:00	Dec 08 01:00	2,636	5,607
Dec 08 01:00	Dec 08 02:00	2,690	8,297
Dec 08 02:00	Dec 08 03:00	2,691	10,988
Dec 08 03:00	Dec 08 04:00	3,021	14,009
Dec 08 04:00	Dec 08 05:00	327	14,336
Dec 08 05:00	Dec 08 06:00	0	14,336
Dec 08 06:00	Dec 08 07:00	0	14,336
Dec 08 07:00	Dec 08 08:00	0	14,336
Dec 08 08:00	Dec 08 09:00	0	14,336
Dec 08 09:00	Dec 08 10:00	0	14,336
Dec 08 10:00	Dec 08 11:00	0	14,336
Dec 08 11:00	Dec 08 12:00	0	14,336
Dec 08 12:00	Dec 08 13:00	0	14,336
Dec 08 13:00	Dec 08 14:00	0	14,336
Dec 08 14:00	Dec 08 15:00	0	14,336
Dec 08 15:00	Dec 08 16:00	0	14,336
Dec 08 16:00	Dec 08 17:00	0	14,336
Dec 08 17:00	Dec 08 18:00	0	14,336
Dec 08 18:00	Dec 08 19:00	0	14,336
Dec 08 19:00	Dec 08 20:00	0	14,336
Dec 08 20:00	Dec 08 21:00	0	14,336
Dec 08 21:00	Dec 08 22:00	0	14,336
Dec 08 22:00	Dec 08 23:00	0	13,741
Dec 08 23:00	Dec 09 00:00	0	11,364
Dec 09 00:00	Dec 09 01:00	0	8,728
Dec 09 01:00	Dec 09 02:00	0	6,039
Dec 09 02:00	Dec 09 03:00	0	3,348
Dec 09 03:00	Dec 09 04:00	0	327
Dec 09 04:00	Dec 09 05:00	0	0