



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

Sulphur Dioxide Discharged on October 3, 2022

Nanticoke Refinery, Imperial Oil

December 1, 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 October 3, 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)
Oct 03 06:00	Oct 03 07:00	10	10
Oct 03 07:00	Oct 03 08:00	911	921
Oct 03 08:00	Oct 03 09:00	1,121	2,042
Oct 03 09:00	Oct 03 10:00	1,269	3,311
Oct 03 10:00	Oct 03 11:00	1,360	4,671
Oct 03 11:00	Oct 03 12:00	1,784	6,456
Oct 03 12:00	Oct 03 13:00	1,880	8,336
Oct 03 13:00	Oct 03 14:00	2,067	10,403
Oct 03 14:00	Oct 03 15:00	2,278	12,681
Oct 03 15:00	Oct 03 16:00	2,667	15,349
Oct 03 16:00	Oct 03 17:00	2,784	18,133
Oct 03 17:00	Oct 03 18:00	1,117	19,250
Oct 03 18:00	Oct 03 19:00	507	19,757
Oct 03 19:00	Oct 03 20:00	265	20,022
Oct 03 20:00	Oct 03 21:00	71	20,093
Oct 03 21:00	Oct 03 22:00	0	20,093
Oct 03 22:00	Oct 03 23:00	0	20,093
Oct 03 23:00	Oct 04 00:00	0	20,093
Oct 04 00:00	Oct 04 01:00	0	20,093
Oct 04 01:00	Oct 04 02:00	0	20,093
Oct 04 02:00	Oct 04 03:00	0	20,093
Oct 04 03:00	Oct 04 04:00	0	20,093
Oct 04 04:00	Oct 04 05:00	0	20,093
Oct 04 05:00	Oct 04 06:00	0	20,093
Oct 04 06:00	Oct 04 07:00	0	20,083
Oct 04 07:00	Oct 04 08:00	0	19,172
Oct 04 08:00	Oct 04 09:00	0	18,051
Oct 04 09:00	Oct 04 10:00	0	16,782
Oct 04 10:00	Oct 04 11:00	0	15,422
Oct 04 11:00	Oct 04 12:00	0	13,637
Oct 04 12:00	Oct 04 13:00	0	11,757
Oct 04 13:00	Oct 04 14:00	0	9,690

Hour Start	Hour End	SO₂ discharged (kg/ hr)	Rolling preceding 24 hr sum of SO₂ discharged (kg)
Oct 04 14:00	Oct 04 15:00	0	7,412
Oct 04 15:00	Oct 04 16:00	0	4,744
Oct 04 16:00	Oct 04 17:00	0	1,961
Oct 04 17:00	Oct 04 18:00	0	844
Oct 04 18:00	Oct 04 19:00	0	336
Oct 04 19:00	Oct 04 20:00	0	71
Oct 04 20:00	Oct 04 21:00	0	0