



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

Sulphur Dioxide discharged December 26-27th, 2020

Nanticoke Refinery, Imperial

February 24th, 2021

Introduction

As required by section 6. (4) of O.Reg 530/18, public posting of the amount of sulphur dioxide discharged from acid gas equipment when the SRU fails to operate in a normal manner must be made within 60 days of the amount being calculated.

See below table of the hourly discharge of sulphur dioxide December 26th-Dec 27th, 2020 as well as the rolling preceding 24- hour sum of sulphur dioxide discharged.

Hour Start	Hour End	SO2 discharged (kg/ hr)	Rolling preceding 24 hr sum of SO2 discharged (kg)
Dec 26 11:00	Dec 26 12:00	1,346	1,346
Dec 26 12:00	Dec 26 13:00	1,998	3,344
Dec 26 13:00	Dec 26 14:00	2,346	5,690
Dec 26 14:00	Dec 26 15:00	2,390	8,080
Dec 26 15:00	Dec 26 16:00	2,217	10,298
Dec 26 16:00	Dec 26 17:00	2,008	12,306
Dec 26 17:00	Dec 26 18:00	1,946	14,252
Dec 26 18:00	Dec 26 19:00	1,904	16,156
Dec 26 19:00	Dec 26 20:00	2,032	18,188
Dec 26 20:00	Dec 26 21:00	1,274	19,461
Dec 26 21:00	Dec 26 22:00	54	19,515
Dec 26 22:00	Dec 26 23:00	51	19,567
Dec 26 23:00	Dec 27 00:00	54	19,620
Dec 27 00:00	Dec 27 01:00	17	19,637
Dec 27 01:00	Dec 27 02:00	37	19,674
Dec 27 02:00	Dec 27 03:00	0	19,674
Dec 27 03:00	Dec 27 04:00	0	19,674
Dec 27 04:00	Dec 27 05:00	0	19,674
Dec 27 05:00	Dec 27 06:00	0	19,674
Dec 27 06:00	Dec 27 07:00	0	19,674
Dec 27 07:00	Dec 27 08:00	0	19,674
Dec 27 08:00	Dec 27 09:00	0	19,674
Dec 27 09:00	Dec 27 10:00	0	19,674
Dec 27 10:00	Dec 27 11:00	0	19,674
Dec 27 11:00	Dec 27 12:00	0	18,329
Dec 27 12:00	Dec 27 13:00	0	16,331
Dec 27 13:00	Dec 27 14:00	0	13,984
Dec 27 14:00	Dec 27 15:00	0	11,594
Dec 27 15:00	Dec 27 16:00	0	9,377
Dec 27 16:00	Dec 27 17:00	0	7,368
Dec 27 17:00	Dec 27 18:00	0	5,423
Dec 27 18:00	Dec 27 19:00	0	3,519
Dec 27 19:00	Dec 27 20:00	0	1,487
Dec 27 20:00	Dec 27 21:00	0	213