



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

Sarnia Refinery, Imperial

O.Reg. 530/18 s.6(4) Public Report for 2023

Introduction

This report is being made pursuant to section 6.(4) of O.Reg 530/18, and provides a public posting of the amount of sulphur dioxide discharged from acid gas equipment when the SRU fails to operate in a normal manner.

See below table of the hourly discharge of sulphur dioxide as well as the rolling preceding 24- hour sum of sulphur dioxide discharged for all required periods in the reporting year.

O. Reg. 530/18 Report – Sarnia Refinery

Period	Date	Hourly SO ₂ Discharged (kg)	Rolling preceding 24-hr sum of SO ₂ discharged (kg)
1	3/28/23 08:00	107	107
	3/28/23 09:00	0	107
	3/28/23 10:00	0	107
	3/28/23 11:00	0	107
	3/28/23 12:00	0	107
	3/28/23 13:00	0	107
	3/28/23 14:00	0	107
	3/28/23 15:00	0	107
	3/28/23 16:00	0	107
	3/28/23 17:00	0	107
	3/28/23 18:00	0	107
	3/28/23 19:00	0	107
	3/28/23 20:00	0	107
	3/28/23 21:00	0	107
	3/28/23 22:00	0	107
	3/28/23 23:00	0	107
	3/29/23 00:00	0	107
	3/29/23 01:00	0	107
	3/29/23 02:00	0	107
	3/29/23 03:00	0	107
	3/29/23 04:00	0	107
	3/29/23 05:00	0	107
	3/29/23 06:00	0	107
3/29/23 07:00	0	107	
2	9/26/23 10:00	191	191
	9/26/23 11:00	0	191
	9/26/23 12:00	0	191
	9/26/23 13:00	0	191
	9/26/23 14:00	0	191
	9/26/23 15:00	0	191
	9/26/23 16:00	0	191
	9/26/23 17:00	0	191
	9/26/23 18:00	0	191
	9/26/23 19:00	0	191
	9/26/23 20:00	0	191
	9/26/23 21:00	0	191
	9/26/23 22:00	0	191
	9/26/23 23:00	0	191
	9/27/23 00:00	0	191
	9/27/23 01:00	0	191
	9/27/23 02:00	0	191
	9/27/23 03:00	0	191
	9/27/23 04:00	0	191
	9/27/23 05:00	0	191
	9/27/23 06:00	0	191
	9/27/23 07:00	0	191
	9/27/23 08:00	0	191
9/27/23 09:00	0	191	
3	11/29/23 1:00	1226	1226
	11/29/23 2:00	0	1226
	11/29/23 3:00	653	1879
	11/29/23 4:00	7142	9021
	11/29/23 5:00	1139	10160
	11/29/23 6:00	241	10402
	11/29/23 7:00	0	10402
	11/29/23 8:00	0	10402
	11/29/23 9:00	0	10402

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Period	Date	Hourly SO ₂ Discharged (kg)	Rolling preceding 24-hr sum of SO ₂ discharged (kg)
	11/29/23 10:00	0	10402
	11/29/23 11:00	0	10402
	11/29/23 12:00	0	10402
	11/29/23 13:00	0	10402
	11/29/23 14:00	0	10402
	11/29/23 15:00	0	10402
	11/29/23 16:00	0	10402
	11/29/23 17:00	518	10919
	11/29/23 18:00	0	10919
	11/29/23 19:00	0	10919
	11/29/23 20:00	0	10919
	11/29/23 21:00	0	10919
	11/29/23 22:00	0	10919
	11/29/23 23:00	0	10919
	11/30/23 0:00	0	10919
	11/30/23 1:00	0	9693
	11/30/23 2:00	0	9693
	11/30/23 3:00	0	9040
	11/30/23 4:00	0	1898
	11/30/23 5:00	0	759
	11/30/23 6:00	0	518
	11/30/23 7:00	0	518
	11/30/23 8:00	0	518
	11/30/23 9:00	0	518
	11/30/23 10:00	0	518
	11/30/23 11:00	0	518
	11/30/23 12:00	0	518
	11/30/23 13:00	0	518
	11/30/23 14:00	0	518
	11/30/23 15:00	0	518
	11/30/23 16:00	0	518
4	12/5/23 14:00	816	816
	12/5/23 15:00	175	991
	12/5/23 16:00	0	991
	12/5/23 17:00	0	991
	12/5/23 18:00	0	991
	12/5/23 19:00	0	991
	12/5/23 20:00	0	991
	12/5/23 21:00	0	991
	12/5/23 22:00	0	991
	12/5/23 23:00	0	991
	12/6/23 0:00	0	991
	12/6/23 1:00	0	991
	12/6/23 2:00	0	991
	12/6/23 3:00	0	991
	12/6/23 4:00	0	991
	12/6/23 5:00	0	991
	12/6/23 6:00	0	991
	12/6/23 7:00	0	991
	12/6/23 8:00	0	991
	12/6/23 9:00	0	991
	12/6/23 10:00	0	991
	12/6/23 11:00	0	991
	12/6/23 12:00	0	991
	12/6/23 13:00	0	991
	12/6/23 14:00	0	175