



Sent via email

November 15th, 2023

Sean Morrison, District Manager
c/o Mike Close
Ministry of the Environment, Conservation and Parks
1094 London Road
Sarnia, Ontario, N7S 1P1

Re. Sulphur Dioxide Quarterly Report – Third Quarter of 2023, O. Reg 88/22 S.34

For the third quarter of 2023, Shell Sarnia Manufacturing Centre (SMC) provides the following, which has been prepared in accordance with Section 34 of O. Reg 88/22.

- 1) The date and time period of any contraventions under Sections 8 to 16 of O. Reg. 88/22 for the applicable quarter.

Not applicable. The limits noted in Sections 8 to 16 have not yet come into effect.

- 2) A summary of any measures identified under Section 32 paragraph 6 of O. Reg. 88/22 that were implemented at the facility during the applicable quarter, as well as their implementation date(s) and an assessment of their effectiveness.

Not applicable. There have been no Root Cause Analysis and Corrective/Preventive Action Reports prepared for the facility under O. Reg. 88/22.

- 3) The information from continuous monitoring required under Section 38 paragraphs 1 to 3 of O. Reg.88/22 for the applicable quarter.

Not applicable. The requirements under Section 38 paragraphs 1 to 3 of O. Reg.88/22 come into effect on July 1st, 2024.

- 4) Records from community air monitoring required under Section 39 paragraphs 3 and 5 of O. Reg. 88/22 for the applicable quarter.

Bluewater Association for Safety, Environment, and Sustainability (BASES) reported no sulphur dioxide exceedances from the Leslie Sutherland community air monitoring station for the applicable period beginning September 1st, 2023. Attached is the "Reg 88/22 Community Air Monitoring Exceedance Log" provided by BASES which demonstrates there have been no exceedances during this time period (blank report).

- 5) The additional information required from community air monitoring in accordance with Subsection 40 (2) paragraphs 1 and 3 of O. Reg. 88/22 for the applicable quarter.

BASES reported no sulphur dioxide exceedances from the air monitoring stations specified in the received Section 40 notice for the applicable period beginning September 1st, 2023. Attached is the "Reg 88/22 Community Air Monitoring Exceedance Log" provided by BASES which demonstrates there have been no exceedances during this time period (blank report).

Reg 88/22 Community Air Monitoring Exceedance Log

Month : September 2023

Period : From 01 September to 30 September 2023

Station	Parameter	Averaging Period	Reportable Threshold	Units	Date	Time	Measured Value	Exceedance Range		Wind Direction (Deg)	Wind Speed (km/hr)	Operating Conditions at Time of Exceedance	Did Discharges of SO2 from facility contribute to the exceedance?		Supporting Documents? (E.g. CEM data, Wind/Pollution Roses)	Additional Comments
						EST (Time Beginning)		Minimum	Maximum				YES / NO	If YES describe any steps taken to prevent or reduce the contribution in the future. If NO, provide rationale.		
Scott Rd	SO2	5 min	200	ppb												There were no exceedances during this time frame
Scott Rd	SO2	1 Hr	120	ppb												There were no exceedances during this time frame
Leslie Sutherland	SO2	5 min	200	ppb												There were no exceedances during this time frame
Leslie Sutherland	SO2	1 Hr	120	ppb												There were no exceedances during this time frame
Wilson Plain Sr	SO2	5 min	200	ppb												There were no exceedances during this time frame
Wilson Plain Sr	SO2	1 Hr	120	ppb												There were no exceedances during this time frame
Front St	SO2	5 min	200	ppb												There were no exceedances during this time frame
Front St	SO2	1 Hr	120	ppb												There were no exceedances during this time frame
Lasalle	SO2	5 min	200	ppb												There were no exceedances during this time frame
Lasalle	SO2	1 Hr	120	ppb												There were no exceedances during this time frame
Paddock Green	SO2	5 min	200	ppb												There were no exceedances during this time frame
Paddock Green	SO2	1 Hr	120	ppb												There were no exceedances during this time frame
Sombra Ln	SO2	5 min	200	ppb												There were no exceedances during this time frame
Sombra Ln	SO2	1 Hr	120	ppb												There were no exceedances during this time frame
Note :	<p>1 - SP Std - Suspended Particulate Standard</p> <p>2 - RT - MECP Reportable Threshold</p> <p>3 - Non-continuous parameter data posted in the month that laboratory results are received.</p> <p>4 - Exceedance periods - clock or running averages (24 Hr running ave based on hourly ave data, 1/2 and 1 Hr running averages based on 5 minute ave data.)</p> <p>5 - Smog - Contributing Factor - Elevated particulate matter related to smog was a contributing factor in the PM10 and SP exceedances.</p>															