



Sent via email

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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 Annual Report – 2023 Calendar Year, O. Reg 88/22 S.35**

Shell Sarnia Manufacturing Centre (SMC) provides the following for the 2023 calendar year, which has been prepared in accordance with Section 35 of O. Reg 88/22.

- 1) The average, maximum and minimum hourly mass emission rate, and the total amount (in kilograms) of sulphur dioxide discharged into the air from the sources of contaminant mentioned in paragraphs 1 and 5 of subsection 22(1) of O. Reg 88/22 for the applicable calendar year.

Not applicable. Continuous monitoring requirements for the sources of contaminant mentioned in paragraphs 1 and 5 of subsection 22(1) have not yet come into effect.

- 2) The average, maximum and minimum hourly mass emission rate, and the total amount (in kilograms) of total reduced sulphur discharged into the air from each sulphur recovery unit at the petroleum facility that is not associated with an incinerator for the applicable calendar year.

Not applicable. The facility's Sulphur Recovery Unit (SRU) is associated with an incinerator.

- 3) The total amount of sulphur dioxide (in tonnes), discharged from the facility during the calendar year required to be calculated under clause 26 (2) (b) of O. Reg 88/22 in respect of the fourth quarter of the applicable calendar year.

Not applicable. Section 26 of O. Reg 88/22 does not apply to SMC.

- 4) A summary of the information in any "Root Cause Analysis and Corrective/Preventive Action Report" submitted under Section 32 of O. Reg 88/22 during the applicable calendar year.

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

- 5) An assessment of the effectiveness of any measures identified in any "Root Cause Analysis and Corrective/Preventive Action Report" required under subparagraph 6 iii of Section 32 of O. Reg 88/22 which were implemented during the applicable calendar year.

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

- 6) Any actions taken during the applicable calendar year to minimize, prevent or reduce the discharge of sulphur dioxide from the facility, including any actions identified in the “Sulphur Dioxide Emission Minimization Plan” prepared in accordance with Section 36 of O. Reg 88/22.

In December 2023, SMC submitted its “Sulphur Dioxide Emission Minimization Plan” to the MECP in accordance with Section 36 of O. Reg 88/22.

In accordance with Section 21 of O. Reg 88/22, SMC installed continuous monitoring systems.