



Environmental Health & Safety Audit Protocol Ontario Oil & Petroleum Refining, Canada 2020

release notes

STP ComplianceEHS (STP) announces the release of its newly developed environmental, health and safety (EHS) audit protocol for Ontario Oil and Petroleum Refining, Canada. This audit protocol covers relevant federal and provincial EHS requirements. The regulatory date for the current release is April 2020.

highlights of the regulatory framework

In Canada, regulation of the petroleum industry is shared between the federal and provincial governments. This protocol focuses on those regulatory requirements applicable to the “downstream” petroleum sector (refining and petrochemical activities). Requirements applicable to “upstream” activities (exploration, drilling and production) are not within the scope of this protocol. Note that the general EHS requirements in the standard Ontario protocol also apply to petroleum activities, unless specified otherwise.

The primary petroleum specific legislation includes:

- *Effluent Monitoring and Effluent Limits – Petroleum Sector (O. Reg. 537/93) and Effluent Monitoring and Effluent Limits – Organic Chemical Manufacturing Sector (O. Reg. 63/95)* establish sector-specific requirements for monitoring and controlling the quality of wastewater effluent discharged from these facilities. Note that these Ontario petroleum sector regulations apply in addition to the federal Petroleum Refinery Liquid Effluent Regulations, which are covered in the standard Ontario protocol.
- *Air Pollution – Discharge of Sulphur Dioxide from Petroleum Facilities (O. Reg. 530/18)* establishes limits and requirements applicable to the discharge of sulphur dioxide from petroleum facilities.
- *Industry Emissions – Nitrogen Oxides and Sulphur Dioxide, O. Reg. 194/05* establishes requirements for Ontario’s emissions trading system for specific industrial sectors, including the petroleum sector.
- *Petroleum Refining – Industry Standard and Petrochemical – Industry Standard*, which are technical standards that specify the technical and operational requirements for managing emissions of air contaminant(s) and is applicable to a facility that is registered for the standard.

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please review

- *Recovery of Gasoline Vapour in Bulk Transfers (O. Reg. 455/94)* establishes requirements for transfers of gasoline into a storage tank or cargo tank truck at terminals, bulk plants or service stations in order to control emissions during these operations.

This protocol also covers several federal and Ontario regulations for liquid fuels that establish requirements for fuel producers and suppliers relating to gasoline volatility, bio-based content of gasoline and diesel, renewable fuel content, benzene in gasoline, and sulphur in gasoline and diesel.



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