

**RULES AND REGULATIONS APPLICABLE TO THE OIL AND GAS INDUSTRY****NEW- 40 CFR Parts 60 and 63 - Oil and Natural Gas Sector: New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants Reviews ( NSPS OOOO and NESHAP HH/HHH changes)**

This subpart establishes emission standards and compliance schedules for the control of volatile organic compounds (VOC) and sulfur dioxide (SO<sub>2</sub>) emissions from affected facilities that commence construction, modification or reconstruction after August 23, 2011. You must be in compliance with the standards of this subpart no later than October 15, 2012 or upon startup, whichever is later.

Significant changes to regulatory requirements for operators of storage, production, transmission and processing in the oil and gas industry. The ND Department of Health has not adopted this regulation at this time. All inquiries and questions should be directed to the EPA. The EPA website can be found at: <http://www.epa.gov/airquality/oilandgas/actions.html>

**OIL AND GAS PRODUCTION FACILITIES:**

- **40 CFR 63, Subpart HH – National Emission Standards for Hazardous Air Pollutants from Oil and Gas Production Facilities**
  - Applies to all oil and gas production facilities that are major and area sources of HAPs with the following exceptions:
    - A facility that exclusively processes, stores or transfers black oil
    - A major source prior to the point of custody transfer with a facility-wide annual average natural gas throughput < 18.4 thousand cubic meters/day and a facility-wide annual hydrocarbon liquid throughput < 37,700 liters/day.

**NATURAL GAS TRANSMISSION AND STORAGE FACILITIES:**

- **40 CFR 63, Subpart HHH – National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities**
  - Applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user and that are major sources of HAP emissions.

## ENGINES:

- **40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**
  - Applies to any compression ignition internal combustion engine where construction is commenced after July 11, 2005 where the engine is manufactured after April 1, 2006
- **40 CFR 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**
  - Applies to any spark ignition internal combustion engine where construction is commenced after June 12, 2006 where the engine is manufactured:
    - After July 1, 2007 for engines > 500 hp
    - After January 1, 2008 for lean-burn engines 500 < hp < 1350
    - After July 1, 2008 for engines < 500 hp
    - After January 1, 2009 for emergency engines
- **40 CFR 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**
  - Applies to any (new, existing, modified and reconstructed) reciprocating internal combustion engine located at a major source or area source of hazardous air pollutants (HAPs)
  - See <http://www.epa.gov/ttn/atw/rice/output/quiz.html> for an Engine (RICE) Requirements Determination Tool.

## TURBINES:

- **40 CFR 60, Subpart GG – Standards of Performance for Stationary Gas Turbines**
  - Applies to all stationary gas turbines with a heat input  $\geq 10$  MMBtu/hr based on the lower heating value of the fuel where construction is commenced after October 3, 1977 but before February 18, 2005
- **40 CFR 60, Subpart KKKK – Standards of Performance for Stationary Combustion Turbines**

- Applies to stationary gas turbines with a heat input  $\geq 10$  MMBtu/hr based on the higher heating value of the fuel where construction, modification or reconstruction is commenced after February 18, 2005

#### TANKS:

- **40 CFR 60, Subpart Kb – Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction or Modification Commenced after July 23, 1984**
  - Applies to each storage vessel with a capacity  $\geq 75$  m<sup>3</sup> that is used to store VOL for which construction, reconstruction or modification commenced after July 23, 1984. Common exceptions to this rule include:
    - Does not apply to storage vessels with a capacity  $> 151$  m<sup>3</sup> storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa)
    - Does not apply to vessels with a capacity of  $75 \leq m^3 < 151$  storing a liquid with a maximum true vapor pressure less than 15.0 kPa
    - Does not apply to vessels with a design capacity  $< 1,589.874$  m<sup>3</sup> used for petroleum or condensate stored, processed or treated prior to custody transfer

Note: Vessels constructed before July 23, 1984 but after May 19, 1978 shall comply with 40 CFR 60, Subpart Ka and vessels constructed before May 19, 1978 but after June 11, 1973 shall comply with 40 CFR 60, Subpart K.

#### HEATERS:

- **40 CFR 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units**
  - Applies to all steam generating units for which construction, modification or reconstruction is commenced after June 9, 1989 and that has a maximum design capacity of  $10 \geq$  MMBtu/hr  $< 100$

#### NATURAL GAS PROCESSING PLANTS:

- **40 CFR 60, Subpart KKK – Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**
  - Applies to affected facilities at onshore natural gas processing plants

- **40 CFR 60, Subpart LLL – Standards of Performance for Onshore Natural Gas Processing: SO<sub>2</sub> Emissions**
  - Applies to each sweetening unit and each sweetening unit followed by a sulfur recovery unit at facilities that process natural gas

This regulation summary is provided by the North Dakota State Department of Health for informational purposes only. Please reference the rule for complete applicability and full details.