

PART VII. SECTOR-SPECIFIC REQUIREMENTS

The **Permittee** shall comply with Part VII (sector-specific requirements) for any **primary SIC code** and/or **narrative activity** and **co-located industrial activities** as defined in Appendix E of this permit. The sector-specific requirements apply to those areas of the **Permittee's facility** where those sector-specific activities occur. These sector-specific requirements are in addition to requirements specified elsewhere in this permit.

I. Oil and Gas Extraction and Refining

1. Authorized Stormwater Discharges

The requirements in Sector I apply to **stormwater discharges associated with industrial activity** from Oil and Gas Extraction facilities as identified by the **industrial activity** codes specified in Table 5 of Appendix D.

2. Industrial Activities Authorized By Sector I

Permittees under Sector I are primarily engaged in the following types of activities:

- a. Production of crude petroleum and natural gas.
- b. Natural gas liquids.
- c. Oil and gas field exploration services.
- d. Drilling oil and gas wells.
- e. Petroleum refining.

3. Limitations on Authorization

This permit does not authorize **stormwater** discharges from petroleum drilling operations that are subject to nationally established effluent limitation guidelines found at 40 CFR pt. 435, respectively.

4. Sector-Specific Definitions (*No Additional Definitions*)

5. Stormwater Controls

- a. Employee Training (*No additional requirements*).
- b. Erosion and Sedimentation Control (*No additional requirements*).
- c. Good Housekeeping (*No additional requirements*).
- d. Inspections.

1. The **Permittee** shall inspect equipment and vehicles that store, mix (including all on- and offsite mixing tanks), or transport chemicals or hazardous materials (including those transporting supplies to oil field activities).
2. In addition to the inspection requirements outlined in Part III.G, the **Permittee** shall ensure that a total of two (2) of the required monthly inspections occur during runoff events, with at least one being performed during snow melt. Each inspection shall include a visual assessment of the runoff to identify any visible sheens or films that indicate the presence of oil or grease in the discharge. If sheens are present in **stormwater** discharges, corrective actions to prevent sheen shall be implemented and documented in the **SWPPP**.

The **Permittee** is only required to conduct visual inspections of runoff originating from, or passing through, areas of **industrial activity** and/or **significant materials**. Any runoff that does not contact **industrial activity** and/or **significant materials** (e.g. office buildings, employee parking lots, natural areas, etc) is not required to be inspected.

e. Preventive Maintenance.

The **Permittee** shall describe and implement measures that prevent or minimize contamination of **stormwater** from chemical mixing areas, and take measures necessary to prevent discharges of **stormwater** that have contacted wastewater pollutants from any sources associated with production, field exploration, drilling, well completion, or well treatment (i.e. produced water, drilling muds, drill cuttings, and produced sand).

f. Spills and Leaks (*No additional requirements*).

g. Management of Runoff (*No additional requirements*).

h. Other Industry Specific Control Measures (*No additional requirements*).

6. **SWPPP** Requirements

In addition to the requirements of Part IV, the **Permittee** shall also comply with the following:

a. **Facility** Map.

The **Permittee** shall identify where any of the following may be exposed to **stormwater**:

1. Locations used for the treatment, storage, or disposal of wastes.
2. Chemical mixing areas.
3. Construction and drilling areas.
4. All areas subject to the effluent guidelines requirements for “No Discharge” in accordance with 40 CFR 435.32.

b. Inventory of Exposed Materials (*No additional requirements*).

c. Potential Pollutant Sources.

The **Permittee** shall describe the following sources that have pollution potential:

1. Chemical, cement, mud, or gel mixing activities.
2. Drilling or mining activities.
3. Equipment rehabilitation activities.

d. Description of **Stormwater** Controls (*No additional requirements*).

7. Monitoring and Reporting Requirements

In accordance with the monitoring requirements of Part V, the **Permittee** shall monitor the applicable parameters in Table I-1, below:

Table I-1

Sector-specific Benchmark Monitoring Values.

Discharges may be subject to requirements for more than one sector or subsector.

Subsector	Parameter	Benchmark Values
I1 Oil and Gas Extraction	Solids, Total Suspended (TSS)	100 mg/L ²
	pH ³	6.0-9.0 SU
I2 Oil Refining	Solids, Total Suspended (TSS)	100 mg/L ²
	Zinc, Total (as Zn)	0.234 mg/L ¹
	Nitrogen, Ammonia, Total (as N)	2.8 mg/L

¹ The benchmark values of some metals are influenced by water hardness. For these parameters, the **Permittee** may determine the hardness of the **stormwater** discharges to identify the applicable 'hardness range' for determining their benchmark value. See Table 4 of Appendix B for hardness dependent benchmark values in accordance with Minn. R. 7050.0222 and Minn. R. 7052.0100.

² If the **Permittee** is required to comply with Appendix A, part F.1, the benchmark value for Solids, Total Suspended (TSS) is 65 mg/L, instead of 100 mg/L.

³ For purposes of benchmark pH monitoring, the **Permittee** is required to report instantaneous results only, and not a calculation of pH averages. pH measurements are logarithmic, and the **Agency** will be performing a logarithmic average for this parameter using the instantaneous results submitted.

8. Use of **Infiltration Devices** and/or **Industrial Stormwater Ponds** for **Stormwater** Treatment and Disposal

Sector I industrial facilities are authorized to use designed **infiltration devices** or **industrial stormwater ponds** for **stormwater** management.