

## **6.I Sector I. Oil and Gas Extraction**

### **6.I.1 Covered Storm Water Discharges**

The requirements in Part 6.I apply to storm water discharges associated with industrial activity from Oil and Gas Extraction facilities as identified by the SIC Codes specified under Sector I in Table 1 of Part 1. You must comply with the Part 6 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities as defined in Part 12. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur.

Discharges of storm water runoff from field activities or operations associated with oil and gas exploration, production, processing, or treatment operations or transmission facilities are exempt from LPDES permit coverage unless, in accordance with LAC 33:IX.2511.C.1.c.i, the facility:

- Has had a discharge of storm water resulting in the discharge of a reportable quantity for which notification is or was required pursuant to 40 CFR 117.21 or 40 CFR 302.6 at anytime since November 16, 1987; or
- Has had a discharge of storm water resulting in the discharge of a reportable quantity for which notification is or was required pursuant to 40 CFR 110.6 at any time since November 16, 1987; or
- Contributes to a violation of a water quality standard.

Discharges of storm water runoff from associated oil field service, supply, and repair industries are NOT exempt from LPDES permit coverage.

Refer also to Part 2.1.4 for facilities which experience an initial RQ spill after the final permit issue date of this permit.

Any storm water discharges that require permit coverage as a result of meeting one of the conditions of 122.26(c)(1)(iii) may be covered under this permit unless otherwise required to obtain coverage under an alternative LPDES general permit or an individual LPDES permit as specified in Part 9.12.

### **6.I.2 Industrial Activities Covered by Sector I**

The SIC Codes covered by Sector I are:

1311, 1321, and 1381-1389.

*Note:* Petroleum Refining facilities (SIC 2911) are covered under Sector C of the permit.

The types of activities that permittees under Sector I are primarily engaged in are:

- 6.I.2.1 oil and gas exploration, production, processing, or treatment operations, or transmission facilities;

- 6.I.2.2 extraction and production of crude oil, natural gas, oil sands and shale; the production of hydrocarbon liquids and natural gas from coal; and
- 6.I.2.3 associated oilfield service, supply, and repair industries.

### 6.I.3 Limitations On Coverage.

<b>Table I-1. SECTOR SPECIFIC SWPPP REQUIREMENTS</b>	
<b>Part of Permit Affected</b>	<b>Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 1 of the MSGP.</i>
1.2.1.1.16	<b>6.I.3.1 Storm Water Discharges Subject to Effluent Limitation Guidelines. (See also Part 1.2.3.4)</b> This permit does not authorize storm water discharges from petroleum drilling operations that are subject to nationally established effluent limitation guidelines found at 40 CFR Part 435. Note: most contaminated discharges at petroleum drilling facilities are subject to these effluent guidelines and are not eligible for coverage by this permit.
N/A	<b>6.I.3.2 Prohibition of Non-Storm Water Discharges.</b> (See also Part 1.2.3) Discharges of vehicle and equipment washwater, including tank cleaning operations, are not authorized by this permit. Alternatively, washwater discharges must be authorized under a separate LPDES permit, or be discharged to a sanitary sewer in accordance with applicable industrial pretreatment requirements.

**6.I.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements**

<b>Table I-2. SECTOR SPECIFIC SWPPP REQUIREMENTS</b>	
<b>Part of Permit Affected</b>	<b>Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.</i>
4.2.2	<b>6.I.4.1 Drainage Area Site Map.</b> Document in your SWPPP where any of the following may be exposed to precipitation or surface runoff: Reportable Quantity (RQ) releases; locations used for the treatment, storage or disposal of wastes; processing areas and storage areas; chemical mixing areas; construction and drilling areas; all areas subject to the effluent guidelines requirements for “No Discharge” in accordance with LAC 33:IX.708 and structural controls to achieve compliance with the “No Discharge” requirements.
4.2.3	<b>6.I.4.2 Potential Pollutant Sources.</b> Also document in your SWPPP the following sources and activities that have potential pollutants associated with them: chemical, cement, mud or gel mixing activities; drilling or mining activities; and equipment cleaning and rehabilitation activities. In addition, include information about the Reportable Quantity (RQ) release that triggered the permit application requirements: the nature of release (e.g., spill of oil from a drum storage area); amount of oil or hazardous substance released; amount of substance recovered; date of the release; cause of the release (e.g., poor handling techniques and lack of containment in the area), areas effected by release (i.e., land and water); procedure to clean up release; actions or procedures implemented to prevent or improve response to a release, and remaining potential contamination of storm water from release (taking into account human health risks, the control of drinking water intakes, and the designated uses of the drinking water).
4.2.6	<b>6.I.4.3 Inspection Frequency.</b> Inspect all erosion and sedimentation control measures every 7 days.
4.2.9.5	<b>6.I.4.4 Erosion and Sedimentation Control.</b> Unless covered by the current General Permit for Construction Activity, the additional documentation requirements for sediment and erosion controls for well drillings and sand/shale mining areas include the following:
4.2.2	<b>6.I.4.4.1 Site Description.</b> Also include a description in your SWPPP of nature of the exploration activity; estimates of the total area of site and disturbed area due to exploration activity; an estimate of runoff coefficient of the site; a site drainage map, including approximate slopes, and the names of all receiving waters.
4.2.9.5	<b>6.I.4.4.2 Vegetative Controls.</b> Implement vegetative practices designed to preserve existing vegetation, where attainable, and re-vegetate open areas as soon as practicable after grade drilling. Consider the following (or equivalent measures): temporary or permanent seeding, mulching, sod stabilization, vegetative buffer strips, tree protection practices. Begin implementing appropriate vegetative practices on all disturbed areas within 14 days following the last activity in that area. Document vegetative practices used in the SWPPP.

**6.I.5 Monitoring and Reporting Requirements**

<b>Table I-3. SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS and BENCHMARK MONITORING</b>			
<b>Part of Permit Affected/Supplemental Requirements</b>			
<i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 5 of the MSGP.</i>			
<b>Subsector (You may be subject to requirements for more than one sector/subsector.)</b>	<b>Parameter</b>	<b>Benchmark Monitoring Concentration<sup>1</sup></b>	<b>Numeric Limitation<sup>2</sup></b>
Industrial Activity SIC Codes 1311, 1321, and 1381-1389	Carbon Oxygen Demand (COD)	---	100 mg/L
	Total Organic Carbon (TOC)	---	50 mg/L
	Oil & Grease	---	15 mg/L

<sup>1</sup> Monitor once/quarter for the year 2 and year 4 monitoring years (see 5.4.2 for possible year 4 monitoring waiver).

<sup>2</sup> The discharge from this permitted outfall shall not exceed a Daily Maximum of 50 mg/L Total Organic Carbon (TOC), 100mg/L Chemical Oxygen Demand (COD), or 15 mg/L Oil and Grease. **Unless required by Part 5.10 of this permit, analytical sampling and analysis of these parameters on a regular basis are not required.**