

6.C Sector C. Chemical and Allied Products Manufacturing and Refining

6.C.1 Covered Storm Water Discharges

The requirements in Part 6.C apply to storm water discharges associated with industrial activity from Chemical and Allied Products Manufacturing facilities as identified by the SIC Codes specified under Sector C 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.

6.C.2 Industrial Activities Covered by Sector C

The SIC Codes covered under Sector C are:

2812-2819, 2821-2824, 2833-2836, 2841-2844, 2851, 2861-2869, 2873-2879, 2891-2899, and 3952 (limited to specifically listed inks and paints)

The requirements listed under this Part apply to storm water discharges associated with industrial activity from a facility engaged in manufacturing the following products:

- 6.C.2.1 basic industrial inorganic chemicals;
- 6.C.2.2 plastic materials and synthetic resins, synthetic rubbers, and cellulosic and other man made fibers, except glass;
- 6.C.2.3 soap and other detergents and in producing glycerin from vegetable and animal fats and oils; specialty cleaning, polishing, and sanitation preparations; surface active preparations used as emulsifiers, wetting agents, and finishing agents, including sulfonated oils; and perfumes, cosmetics, and other toilet preparations;
- 6.C.2.4 paints (in paste and ready mixed form); varnishes; lacquers; enamels and shellac; putties, wood fillers, and sealers; paint and varnish removers; paint brush cleaners; and allied paint producers;
- 6.C.2.5 industrial organic chemicals;
- 6.C.2.6 nitrogenous and phosphatic based fertilizers, mixed fertilizer, pesticides, and other agricultural chemicals; and facilities that make fertilizer solely from leather scraps and leather dust (SIC Code 2873);
- 6.C.2.7 industrial and household adhesives, glues, caulking compounds, sealants, and linoleum, tile, and rubber cements from vegetable, animal, or synthetic plastic materials; explosives; printing ink, including gravure ink, screen process ink, and lithographic; miscellaneous chemical preparations, such as fatty acids, essential oils, gelatin (except vegetable), sizes, bluing, laundry sours, writing and stamp pad ink, industrial compounds, such as boiler and heat insulating compounds, and chemical supplies for foundries; and

6.C.2.8 ink and paints, including china painting enamels, india ink, drawing ink, platinum paints for burnt wood or leather work, paints for china painting, artist’s paints and artist’s water colors.

6.C.3 Limitations on Coverage

Table C-1. SECTOR-SPECIFIC COVERAGE UNDER THIS PERMIT	
Part of Permit Affected	Supplemental Requirements <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 1 of the MSGP.</i>
1.2.1.1.2	6.C.3.1 Prohibition of Non-Storm Water Discharges. (See also Part 1.2.3) The following are not covered by this permit: non-storm water discharges containing: inks, paints, or substances (hazardous, nonhazardous, etc.) resulting from an onsite spill, including materials collected in drip pans; washwater from material handling and processing areas; and washwaters from drum, tank, or container rinsing and cleaning.

6.C.4 Monitoring and Reporting Requirements (See also Part 5)

Table C-3. SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING			
Part of Permit Affected/Supplemental Requirements			
<i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 5 of the MSGP. If your SIC Code is not listed below then numeric limitations and benchmark monitoring do not apply except as otherwise noted below.</i>			
Subsector (You may be subject to requirements for more than one sector/subsector.)	Parameter	Benchmark Monitoring Concentration¹	Numeric Limitation
Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	Total Phosphorus (as P)	---	105 mg/L, daily max. ³
			35 mg/L, 30-day avg. ³
	Fluoride	---	75 mg/L, daily max. ³
			25 mg/L, 30-day avg. ³
	Total Organic Carbon (TOC)	---	50 mg/L, daily max. ²
Oil & Grease	---	15 mg/L, daily max. ²	
Agricultural Chemicals (SIC 2873-2879)	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Total Lead ⁴	Hardness Dependent	---
	Total Iron	1.0 mg/L	---
	Total Zinc ⁴	Hardness Dependent	---
	Phosphorus	2.0 mg/L	---
	Total Organic Carbon (TOC)	---	50 mg/L, daily max. ²
	Oil & Grease	---	15 mg/L, daily max. ²

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Part of Permit Affected/Supplemental Requirements			
<i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 5 of the MSGP. If your SIC Code is not listed below then numeric limitations and benchmark monitoring do not apply except as otherwise noted below.</i>			
Subsector (You may be subject to requirements for more than one sector/subsector.)	Parameter	Benchmark Monitoring Concentration¹	Numeric Limitation
Industrial Inorganic Chemicals (SIC 2812-2819)	Total Aluminum	0.75 mg/L	---
	Total Iron	1.0 mg/L	---
	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Total Organic Carbon (TOC)	---	50 mg/L, daily max. ²
	Oil & Grease	---	15 mg/L, daily max. ²
Soaps, Detergents, Cosmetics, and Perfumes (SIC 2841-2844)	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Total Zinc ⁴	Hardness Dependent	---
	Total Organic Carbon (TOC)	---	50 mg/L, daily max. ²
	Oil & Grease	---	15 mg/L, daily max. ²
Plastics, Synthetics, and Resins (SIC 2821-2824)	Total Zinc ⁴	Hardness Dependent	---
	Total Organic Carbon (TOC)	---	50 mg/L, daily max. ²
	Oil & Grease	---	15 mg/L, daily max. ²

¹ Monitor once/quarter for the year 2 and year 4 Monitoring Years (See Part 5.4.2 for possible year 4 waiver).

² The discharge from this permitted outfall shall not exceed a Daily Maximum of 50 mg/L Total Organic Carbon (TOC) 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.**

³ Monitor once per calendar year during each year of the term of the permit.

⁴ The benchmark values of some metals are dependent on water hardness. For these parameters, permittees must determine the hardness of the receiving water (see Addendum E, "Calculating Hardness in Receiving Waters for Hardness Dependent Metals," for methodology), in accordance with Part 5.4, to identify the applicable 'hardness range' for determining their benchmark value applicable to their facility. The ranges occur in 25 mg/L increments. Hardness Dependent Benchmarks follow in the table below:

Water Hardness Range	Lead (mg/L)	Zinc (mg/L)
0-25 mg/L	0.014	0.04
25-50 mg/L	0.023	0.05
50-75 mg/L	0.045	0.08
75-100 mg/L	0.069	0.11
100-125 mg/L	0.095	0.13
125-150 mg/L	0.122	0.16
150-175 mg/L	0.151	0.18
175-200 mg/L	0.182	0.20
200-225 mg/L	0.213	0.23
225-250 mg/L	0.246	0.25
250+ mg/L	0.262	0.26