Part 8 – Sector-Specific Requirements for Industrial Activity

Subpart C – Sector C – Chemical and Allied Products Manufacturing, and Refining.

You shall comply with Part 8 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities, as defined in Appendix A. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur. These sector-specific requirements are in addition to any requirements specified elsewhere in this permit.

8.C.1 Covered Stormwater Discharges.

The requirements in Subpart C apply to stormwater discharges associated with industrial activity from Chemical and Allied Products Manufacturing, and Refining facilities, as identified by the SIC Codes specified under Sector C in Table D-1 of Appendix D of the permit.

8.C.2 Limitations on Coverage.

8.C.2.1 *Prohibition of Non-Stormwater Discharges.* (See also Part 1.1.4) The following are not covered by this permit: non-stormwater discharges containing inks, dyes, 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 washwater from drum, tank, or container rinsing and cleaning. Also not covered by this permit is the discharge of leachate as defined by Ohio Administrative Code (OAC) 3745-27-01(L)(1).

8.C.3 Sector-Specific Benchmarks. (See also Part 6 of the permit.)

Table 8.C-1 identifies benchmarks that apply to the specific subsectors of Sector C. These benchmarks apply to both your primary industrial activity and any co-located industrial activities.

Table 8.C-1.		
Subsector (You may be subject to requirements for more than one sector/subsector)	**Parameter**	**Benchmark Monitoring Concentration**
Subsector C1. Agricultural Chemicals (SIC 2873, 2875 (non-composting) -2879)	Nitrate plus Nitrite Nitrogen	0.68 mg/L
	Total Lead[1]	Hardness Dependent
	Total Zinc[1]	Hardness Dependent
	Phosphorus	2.0 mg/L
Subsector C2. Industrial Inorganic Chemicals (SIC 2812-2819)	Total Aluminum	750 ug/L
	Nitrate plus Nitrite Nitrogen	0.68 mg/L
Subsector C3. Soaps, Detergents, Cosmetics, and Perfumes (SIC 2841-2844)	Nitrate plus Nitrite Nitrogen	0.68 mg/L
	Total Zinc[1]	Hardness Dependent
Subsector C4. Plastics, Synthetics, and Resins (SIC 2821-2824)	Total Zinc[1]	Hardness Dependent
Subsector C6. Composting (SIC 2875)	Biochemical Oxygen Demand (BOD_5)	30 mg/L
	Ammonia	3.1 mg/L
	pH	6.5 – 9.0 s.u.
	Total Suspended Solids (TSS)	100 mg/L

[1] The benchmark values of some metals are dependent on water hardness. For these parameters, permittees shall determine the hardness of the receiving water (see Appendix J, "Calculating Hardness in Receiving Waters for Hardness Dependent Metals," for methodology), in accordance with Part 6.2.1.1, 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** (ug/L)	**Zinc** (ug/L)
0-25 mg/L	21	40
25-50 mg/L	35	50
50-75 mg/L	67	80
75-100 mg/L	103	110
100-125 mg/L	142	130
125-150 mg/L	184	160
150-175 mg/L	227	180
175-200 mg/L	272	200
200-225 mg/L	320	230
225-250 mg/L	368	250
250-275 mg/L	418	270
275-300 mg/L	470	290
300-325 mg/L	522	310
325-350 mg/L	576	340
350-375 mg/L	631	360
375-400 mg/L	687	380
400+ mg/L	715	390