

6.Y Sector Y. Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries

6.Y.1 Covered Storm Water Discharges

The requirements in 6.Y apply to storm water discharges associated with industrial activity from Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries facilities as identified by the SIC Codes specified in Table 1 of Part 1 of this MSGP for Sector Y facilities. 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.Y.2 Industrial Activities Covered by Sector Y

The SIC codes covered under Sector Y are:

3011, 3021, 3052, 3053, 3061, 3069, 3081-3089, 3931, 3942-3949, 3951-3955 (except 3952 facilities as specified in Sector C), 3961, 3965, 3991-3999

6.Y.3 Storm Water Pollution Prevention Plan Requirements

Table Y.1 - SECTOR SPECIFIC SWPPP REQUIREMENTS	
Part of Permit Affected	Supplemental Requirements <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.</i>
4.2.3	6.Y.3.1 Description of Potential Pollutant Sources for Rubber Manufacturers. (See also Part 4.2.9) Document in your SWPPP the use of zinc at your facility and the possible pathways through which zinc may be discharged in storm water runoff.
4.2.8	6.Y.3.2 Controls for Rubber Manufacturers. Minimize the discharge of zinc in your storm water discharges. Part 6.Y.3.2.1 to 6.Y.3.2.5 give possible sources of zinc to be reviewed and list some specific control measures to be considered for implementation (or equivalent control measures). Following are some general control measure options to consider: using chemicals purchased in pre-weighed, sealed polyethylene bags; storing in-use materials in sealable containers; ensuring an airspace between the container and the cover to minimize “puffing” losses when the container is opened; and using automatic dispensing and weighing equipment.
4.2.8 4.2.9.9	6.Y.3.2.1 Zinc Bags. Ensure proper handling and storage of zinc bags at your facility. Following are some control measure options: employee training on the handling and storage of zinc bags, indoor storage of zinc bags, cleanup of zinc spills without washing the zinc into the storm drain, and the use of 2,500 pound sacks of zinc rather than 50 – to 100-pound sacks.

Table Y.1 - SECTOR SPECIFIC SWPPP REQUIREMENTS	
Part of Permit Affected	Supplemental Requirements <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.</i>
4.2.9.2	6.Y.3.2.2 Dumpsters. Minimize discharges of zinc from dumpsters. Following are some control measure options: covering the dumpster, moving the dumpster indoors, or providing a lining for the dumpster.
4.2.9.3	6.Y.3.2.3 Dust Collectors and Baghouses. Minimize contributions of zinc to storm water from dust collectors and baghouses. Replace or repair, as appropriate, improperly operating dust collectors or baghouses.
4.2.8	6.Y.3.2.4 Grinding Operations. Minimize contamination of storm water as a result of dust generation from rubber grinding operations. One control measure option is to install a dust collection system.
4.2.8 4.2.9.1	6.Y.3.2.5 Zinc Stearate Coating Operations. Minimize the potential for storm water contamination from drips and spills of zinc stearate slurry that may be released to the storm drain. One control measure option is to use alternative compounds to zinc stearate.
4.2.8	6.Y.3.3 Controls for Plastic Products Manufacturers. Minimize the discharge of plastic resin pellets in storm water discharges. Control measures to be considered for implementation (or their equivalents) include: minimizing spills; promptly and thoroughly cleaning up spills; sweeping thoroughly; pellet capturing; employee education; and disposal precautions.

6.Y.4 Monitoring and Reporting Requirements

Table Y.2 – SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS and BENCHMARK MONITORING			
<p>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></p>			
Subsector (You may be subject to requirements for more than one sector/subsector.)	Parameter	Benchmark Monitoring Concentration ¹	Numeric Limitation ²
Rubber Products Manufacturing (SIC 3011, 3021, 3052, 3053, 3061, 3069)	Total Recoverable Zinc ³	Hardness Dependent	---
	Total Organic Carbon (TOC)	---	50 mg/L
	Oil & Grease	---	15 mg/L

¹ Monitor once/quarter for the year 2 and year 4 monitoring years (see 5.4.2 for possible year 4 monitoring 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 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	Zinc (mg/L)
0-25 mg/L	0.04
25-50 mg/L	0.05
50-75 mg/L	0.08
75-100 mg/L	0.11
100-125 mg/L	0.13
125-150 mg/L	0.16
150-175 mg/L	0.18
175-200 mg/L	0.20
200-225 mg/L	0.23
225-250 mg/L	0.25
250+ mg/L	0.26