

**APPENDIX I.Y - Storm Water Discharges Associated with Industrial Activity from Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries**

A. Coverage of This Section.

1. Discharges Covered Under This Section. The requirements listed under this Part shall apply to storm water discharges from the following activities:

**Table I.Y.1 – Sector Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries**

SIC Code	Activity Represented
3011	Tires and Inner Tubes
3021	Rubber and Plastics Footwear
3052, 3053	Gaskets, Packing and Sealing Devices, and Rubber and Plastic Hoses and Belting
3061, 3069	Fabricated Rubber Products, Not Elsewhere Classified
3081 – 3089	Miscellaneous Plastics Products
3931	Musical Instruments
3942 – 3949	Dolls, Toys, Games, and Sporting and Athletic Goods
3951 – 3955	Pens, Pencils, and Other Artists' Materials (Except SIC Code 3952 which is addressed in <i>Appendix I.C</i> )
3961, 3965	Costume, Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal
3991 – 3999	Miscellaneous Manufacturing Industries

2. Sector Specific Limitations on Coverage. There are no additional limitations on coverage other than those listed in *Part I.C*.
3. Sector Specific Prohibition of Non-Stormwater Discharges. There are no additional prohibited non-stormwater discharges beyond those in *Part I.D* of this permit.

B. Sector Specific Control Measures and Effluent Limits.

In addition to the control measures and effluent limits in *Part III*, the permittee shall implement the following to minimize pollutant discharges, as applicable:

1. Rubber Manufacturers. The permittee shall minimize the discharge of zinc in stormwater discharges through implementation of control measures, such as the following, where feasible:
  - a. Using chemicals purchased in pre-weighed, sealed polyethylene bags;
  - b. 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;
  - c. Using automatic dispensing and weighing equipment;

- d. Ensuring proper handling and storage of zinc bags at the facility through implementation of control measures such as the following, where feasible:
    - 1) Employee training on the handling and storage of zinc bags;
    - 2) Indoor storage of zinc bags;
    - 3) Cleanup of zinc spills without washing the zinc into the storm drain; and
    - 4) Using 2,500-pound sacks of zinc rather than 50- to 100-pound sacks.
  - e. Minimizing discharges of zinc from dumpsters through implementation of control measures such as the following, where feasible:
    - 1) Covering the dumpsters;
    - 2) Moving the dumpsters indoors; and
    - 3) Providing a lining for the dumpsters.
  - f. Minimizing contribution of zinc to stormwater from dust collection and baghouses through regularly replacing or repairing, as appropriate, improperly operating dust collection baghouses;
  - g. Minimizing contamination of stormwater as a result of dust generation from rubber grinding operations and, where feasible, installing a dust collection system; and
  - h. Minimizing the potential for stormwater contamination from drips and spills of zinc stearate slurry that may be released to the storm drain and, where feasible, using alternative compounds to zinc stearate.
2. Plastic Products Manufacturing. The permittee shall minimize the discharge of plastic resin pellets in stormwater discharges through implementation of control measures, such as the following, where feasible:
- a. Minimizing spills;
  - b. Cleaning up of spills promptly and thoroughly;
  - c. Sweeping thoroughly;
  - d. Pellet capturing;
  - e. Employee education; and
  - f. Disposal precautions.

C. Sector Specific Inspection Requirements.

There are no additional inspection requirements beyond those in *Part IV.A* of this permit.

D. Sector Specific Plan Requirements.

1. Summary of Potential Pollutant Sources. In addition to the requirements in *Part VII.D.5.a*, the Plan summary of potential pollutant sources inventory shall include the following, where applicable:
  - a. Rubber Manufacturers. The permittee shall document in the Plan the uses of zinc at the facility and the possible pathways through which zinc may be discharged in stormwater.

E. Monitoring Requirements.

1. Analytical Benchmark Monitoring. The following analytical benchmark monitoring parameters shall apply specifically to sector Y facilities. Parameters found in this Part apply to both primary industrial activities and any co-located industrial activities.

**Table I.Y.2 – Analytical Benchmark Monitoring Parameters for Rubber Products Manufacturing (SIC 3011, 3021, 3052, 3053, 3061, 3069)**

Parameter	Benchmark Monitoring Concentration
Total Recoverable Zinc (freshwater)	Hardness Dependent <sup>1</sup>
Total Recoverable Zinc (saltwater) <sup>2</sup>	0.090 mg/L

<sup>1</sup>. The freshwater analytical benchmark monitoring values of some metals are dependent on water hardness. For these parameters, permittees must determine the hardness of the receiving water to identify the applicable ‘hardness range’ for determining the analytical benchmark monitoring value applicable to the facility. Hardness dependent analytical benchmark monitoring shall follow the table below:

Freshwater Hardness Range	Zinc (mg/L)
0.00 – 24.99 mg/L	0.037
25 – 24.99 mg/L	0.052
50 – 74.99 mg/L	0.080
75 – 99.99 mg/L	0.107
100 – 124.99 mg/L	0.132
125 – 149.99 mg/L	0.157
150 – 174.99 mg/L	0.181
175 – 199.99 mg/L	0.204
200 – 224.99 mg/L	0.227
225 – 249.99 mg/L	0.249
250+ mg/L	0.260

If hardness cannot be determined (groundwater or inaccessible waterbodies), use the most conservative values (0-24.99 mg/L range).

<sup>2</sup>. Saltwater benchmark values apply to stormwater discharges into saline waters where indicated.

2. Numeric Effluent Limitation Monitoring. There are no numeric effluent limitation parameters for Sector Y facilities in this permit. Any additional monitoring and reporting requirements shall be based on the nature of activities at the facility and the facility stormwater discharges, in accordance with *Part V.D.2*.