

6.AA Sector AA. Fabricated Metal Products

6.AA.1 Covered Storm Water Discharges

The requirements in 6.AA apply to storm water discharges associated with industrial activity from Fabricated Metal Products facilities as identified by the SIC Codes specified in Table 1 of Part 1 of this MSGP for Sector AA 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.AA.2 Industrial Activities Covered by Sector AA

The SIC codes covered under Sector AA are:

3411-3499, 3911-3915

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

- 6.AA.2.1 fabricated metal products; except for electrical related industries;
- 6.AA.2.2 fabricated metal products; except machinery and transportation equipment; and
- 6.AA.2.3 jewelry, silverware, and plated ware.

6.AA.3 Storm Water Pollution Prevention Plan Requirements

Table AA.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>
4.2.2	6.AA.3.1 Drainage Area Site Map. Document in your SWPPP where any of the following may be exposed to precipitation or surface runoff: raw metal storage areas; finished metal storage areas; scrap disposal collection sites; equipment storage areas; retention and detention basins; temporary and permanent diversion dikes or berms, right-of-way or perimeter diversion devices; sediment traps and barriers, processing areas, including outside painting areas; wood preparation; recycling; and raw material storage.
4.2.9.3 4.2.9.4	6.AA.3.2 Spills and Leaks. (See also Part 4.2.3.3) In your spill prevention and response procedures, required by Part 4.2.9.4, pay attention to the following materials (at a minimum): chromium, toluene, pickle liquor, sulfuric acid, zinc and other water priority chemicals and hazardous chemicals and wastes.

Table AA.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.AA.3.3 Potential Pollutant Sources. Document in your SWPPP the following additional sources and activities that have potential pollutants associated with them: loading and unloading operations for paints, chemicals, and raw materials; outdoor storage activities for raw materials, paints, empty containers, corn cobs, chemicals, and scrap metals; outdoor manufacturing or processing activities such as grinding, cutting, degreasing, buffing, brazing; onsite waste disposal practices for spent solvents, sludge, pickling baths, shavings, ingots pieces, and refuse and waste piles.
4.2.9.2	6.AA.3.4 Good Housekeeping Measures
4.2.9.1 4.2.9.2	6.AA.3.4.1 Raw Steel Handling Storage. Minimize the generation of and/or recover and properly manage scrap metals, fines, and iron dust. Include measures for containing materials within storage handling areas.
4.2.9.1 4.2.9.2	6.AA.3.4.2 Paints and Painting Equipment. Minimize exposure of paint and painting equipment to storm water.
4.2.9.1 4.2.9.4	6.AA.3.5 Spill Prevention and Response Procedures. Ensure that the necessary equipment to implement a cleanup is available to personnel. The following areas should be addressed: 1) <u>Metal Fabricating Areas</u> : Maintain clean, dry, orderly conditions in these areas. Consider using dry clean-up techniques. 2) <u>Storage Areas for Raw Metal</u> : Keep these areas free of conditions that could cause, or impede appropriate and timely response to, spills or leakage of materials. Consider the following (or their equivalents): maintaining storage areas so that there is easy access in the event of a spill; and labeling stored materials to aid in identifying spill contents. 5) <u>Metal Working Fluid Storage Areas</u> : Minimize the potential for storm water contamination from storage areas for metal working fluids. 6) <u>Cleaners and Rinse Water</u> : Control and clean up spills of solvents and other liquid cleansers; control sand buildup and disbursement from sand-blasting operations; and prevent exposure of recyclable wastes. Substitute environmentally benign cleaners when possible. 7) <u>Lubricating Oil and Hydraulic Fluid Operations</u> : Minimize the potential for storm water contamination from lubricating oil and hydraulic fluid operations. Consider using monitoring equipment or other devices to detect and control leaks and overflows. Consider installing perimeter controls such as dikes, curbs, grass filter strips, or equivalent measures. 8) <u>Chemical Storage Areas</u> : Minimize storm water contamination and accidental spillage in chemical storage areas. Include a program to inspect containers and identify proper disposal methods.
4.2.6	6.AA.3.6 Inspections. (See also Part 4.10) At a minimum, include the following areas in all inspections: raw metal storage areas; finished product storage areas; material and chemical storage areas; recycling areas; loading and unloading areas; equipment storage areas; paint areas; and vehicle fueling and maintenance areas.

Table AA.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>
4.9.2	<p>6.AA.3.7 Comprehensive Site Compliance Evaluation. (See also Part 4.10) As part of your inspection, also inspect areas associated with the storage of raw metals, spent solvents and chemicals storage areas, outdoor paint areas, and drainage from roof. Potential pollutants include chromium, zinc, lubricating oil, solvents, aluminum, oil and grease, methyl ethyl ketone, steel, steel, and related materials.</p>

6.AA.4 Monitoring and Reporting Requirements

Table AA.2 SECTOR-SPECIFIC NUMERIC 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 Limitation²
Fabricated Metal Products, except Coating (SIC 3411-3499, 3911-3915)	Total Aluminum	0.75 mg/L	---
	Total Iron	1.0 mg/L	---
	Total Zinc ³	Hardness Dependent	---
	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Total Organic Carbon (TOC)	---	50 mg/L
	Oil & Grease	---	15 mg/L
Fabricated Metal Coating and Engraving (SIC 3479)	Total Zinc ³	Hardness Dependent	---
	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	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
275-200 mg/L	0.20
200-225 mg/L	0.23
225-250 mg/L	0.25
250+ mg/L	0.26