

## Manufacturing and Post-Processing of Metal Products

---

This broad activity group applies to mills, foundries, and fabricators that manufacture and/or post-process metal products at stationary sites. It does not apply to temporary activities such as welding or pipe cutting that are conducted in the field. A variety of activities such as machining, grinding, soldering, cutting, welding, quenching, cooling, and rinsing that may take place are covered under these BMPs. Wastewater from these operations may be contaminated with toxic organic compounds, metals, oils and greases, abnormal pH, and suspended solids. Stormwater runoff from areas where these activities occur can be contaminated with these same pollutants. Businesses may be required to apply for and obtain a National Pollutant Discharge Elimination System (NPDES) permit from the Washington State Department of Ecology. Painting, finishing, and coating of metal products is covered under Activity Sheet A-22.

### **MINIMUM REQUIREMENTS**

**The following BMPs, or equivalent measures, methods, or practices are required if you are engaged in manufacturing or processing metal products:**

1

Discharge process wastewater from this activity to a sanitary sewer, holding tank, or process treatment system.



See BMP Info Sheet 2 in Chapter 5 for information on disposal options.

2

Required Routine Maintenance:

- Sweep the work and pouring area at least daily to collect metal fragments and debris and prevent stormwater contamination. Do not hose down the area to the storm drainage system.

### **Additional BMPs**

**The following BMPs are optional unless the above minimum required BMPs do not provide adequate source control.**



Cover the activity area(s) to prevent precipitation from contacting the area, and to reduce the amount of runoff that has to be detained or treated.



See BMP Info Sheet 3 in Chapter 5 for information on covering options.



Use a catch basin insert configured to remove sediment to capture stray metal particles in runoff. Catch basin inserts require frequent maintenance to be effective. Carefully consider this when evaluating your options.



See BMP Info Sheet 10 in Chapter 5 for information on inserts.

---

For more information or assistance in implementing these best management practices, contact the King County Department of Natural Resources and Parks Water and Land Resources Division at 206-296-1900.

Reader Note: The above requirements are the minimum required BMPs. If these BMPs fail to prevent discharges to the storm drainage system, you will be asked to take additional measures to correct the continued pollution discharges.