

## Industrial Solid Waste Fact Sheet

# Machining Wastes- Category 17

### Definition

Machining operations conducted at machine shops, metal stamping facilities, and other metalworking operations typically generate various types of waste. Waste material generated from machining processes is a prime candidate for recycling if the waste is not co-mingled with other metals or otherwise contaminated.

### Disposal

If the waste material cannot be re-used, recycled, or managed in another more beneficial manner, it will be directed to the Olmsted County Kalmar Landfill for final disposal.

### Generator Requirements

Remove any free liquids from the machining wastes and hole-punch waste containers. Additional requirements are to be determined on a case-by-case basis. For required testing below.

### Procedures

#### Typical Delivery types

- bulk
- drums
- bagged

#### Background

Machining operations conducted at machine shops, metal stamping facilities, and other metalworking operations typically generate various types of waste. Waste material generated from machining processes is a prime candidate for recycling if the waste is not co-mingled with other metals or otherwise contaminated.

#### Disposal

If the waste material cannot be re-used, recycled, or managed in another more beneficial manner, it will be directed to the Olmsted County Kalmar Landfill for final deposition.

#### Testing Requirements

Due to the fact that many machining operations (e.g., milling, turning, threading, filing, and grinding) require the use of solvents, coolants, degreasers, cutting fluids, and lubricants, it is essential that generators thoroughly evaluate their waste to determine if it is to be managed as a hazardous waste. Unless complete documentation exists to adequately characterize the

waste material (using knowledge of the process that generates the waste and the raw materials that are used in the process), waste generators must evaluate the waste material using the Toxicity Characteristics Leaching Procedure (TCLP) for those parameters that can reasonably be expected to be present. This testing is required to ensure 1) the waste material is not a regulated hazardous waste and 2) the waste material is acceptable for disposal at an Olmsted County solid waste management facility. If available, Material Safety Data Sheets (MSDSs) for any contaminants present must be provided.

### **Documentation**

A current, approved Industrial Solid Waste Evaluation Form must be on file with the Olmsted County Environmental Resources Department. The waste hauler must present a current, approved Non-Hazardous Industrial Solid Waste Tracking Form at the time of delivery.

### **Special Generator Requirements ‘**

Remove any free liquids from the machining wastes and hole-punch waste containers. Additional requirements are to be determined on a case-by-case basis.