

# Solid Waste Handling and Disposal

All solid waste material generated at the facility is handled and disposed of in a proper manner to prevent its entry into ground or surface water. Solid waste streams that are generated at the facility are summarized in Table 1. Difficult or dangerous wastes generated at the site are stored, transported, and disposed of in accordance with WAC 173-303.

**Table 1. SOLID WASTE INVENTORY**

<b>Waste Stream</b>	<b>Source</b>	<b>Generation Rate</b>	<b>Disposal Method</b>
<b>Municipal Solid Waste</b>	Plastic, wood, empty containers, domestic waste	Approx. 312 yards/year	Collected and disposed as municipal solid waste
<b>Metal Waste (Carbon Steel, Aluminum)</b>	Structural shapes, pipe castings, miscellaneous machinery and hardware	Approx. 100 tons per year	Stored for future use or recycled to an offsite scrap metal dealer
<b>Wood</b>	Planks, plywood, boards, timbers	Approx. 40 cubic yards/year	Stored for use or disposed of to an offsite recycler
<b>Abrasive Grit</b>	Sand Blasting Sand	100 Tons per year	Stored in tarp-covered portable large plastic bags.
<b>Universal Waste</b>	Mercury light tubes	Approx. 10 units/year	Collected and recycled off-site
<b>Used Batteries</b>	Ship and vehicle batteries (dry cell, car, boat)	Approx. 6-12 units/year	Collected and recycled off-site
<b>Non-Regulated Waste Oil</b>	Ship, rolling stock and company vehicles	Approx. 6-10/55 gal drums/year	Collected and recycled off-site

## **Management Practices for Solid Waste Collection, Storage, and Transport**

### **MFSI has adopted standard procedure for waste collection and transfer which include:**

1. Proper solid waste storage
2. Regular site good housekeeping cleanup and
3. Preventative maintenance of collection, transfer equipment and the facility

Solid Waste generated at the site is collected in areas approved by the facilities Supervisor.

### **Storage and transfer techniques employed at the site include the following:**

- Isolating solid waste collection areas from storm water.
- Locating solid waste collection areas in places that are paved, curbed, and graded, or graded and surfaced with crushed rock in a covered area.
- Locating solid waste collection areas away from direct traffic routes to prevent accidents and spills.
- All general solid waste non-hazardous are collected and stored with container lid closed when not in use.

MFSI has established a program of regular good housekeeping cleanup of collection and transfer areas. In active areas of the facility good housekeeping cleanup is conducted on a daily basis or as needed. Other areas of the site are cleaned-up on as needed basis.

## **MFSI Recycling and Waste Reduction**

MFSI has developed a waste reduction and recycling program to reduce the volume of solid waste transferred to offsite disposal facilities. The company collects and stores recyclable materials derived from site operations to the maximum extent possible. Solid waste that may be generated at the site and that can be collected and stored for reuse or offsite recycling include aluminum cans and steel cans, cardboard boxes, scrap metal, waste oil, and lead acid batteries, as well as heavy equipment that has passed its useful life. Where appropriate, areas used for collecting solid waste are provided with containers clearly labeled for either non-recyclable waste or recyclable materials. In addition, solid waste that may be reused onsite is stored in separate containers constructed of compatible materials. Whenever possible, storage facilities for recyclables are located in readily accessible areas that are protected from precipitation and storm water. The Company facilities staff is responsible for arranging to have items recycled offsite.

## Off-Site Disposal of Solid Waste

Table 2 lists the name and contact information for each facility that receives solid waste from the MFSI facility.

**Table 2. Contact Information for Solid Waste Disposal Facilities**

<b>Waste Stream</b>	<b>Disposal Company</b>	<b>Company Contact</b>	<b>Address</b>	<b>Phone Number</b>
<b>Municipal Waste</b>	Waste Management	Any Dispatcher	1001 Fannin St. Houston, TX 77002	206-762-3000
<b>Metal Waste</b>	Seattle Iron Metals	Any Dispatcher	601 S. Myrtle St. Seattle, WA 98108	206-682-0040
<b>Wood Waste and Recycled Wood Waste</b>	Waste Management	Any Dispatcher	1001 Fannin St. Houston, TX 77002	206-762-3000
<b>Abrasive Blasting</b>	Kleen Industrial Services	Any Dispatcher	1110 E. Alexander Ave, Tacoma, WA 98421	253-382-2168
<b>Used Batteries</b>	Emerald Services	Any Dispatcher	7343 E. Marginal Way Seattle, WA 98108	206-832-3000
<b>Universal Waste</b>	Emerald Services	Any Dispatcher	7343 E Marginal Way Seattle, WA 98108	206-832-3000
<b>Non Regulated Waste Oil</b>	Marine Vacuum Services	Any Dispatcher	1516 S Graham St, Seattle, WA 98108	206-762-0240

### **Contingency Plans**

Alternative solid waste handling procedures have been developed for facility inoperable periods, or if delays in transporting solid waste occur. Remnant solid waste will be put into appropriate solid waste containers and stored in the area(s) designated for solid waste containment. The containers will be covered and held until such time that collection and transport of solid waste material could resume.